2011 Semiannual Groundwater Monitoring Report

Prepared for Owens Corning 4837 Highway 81 South Anderson, South Carolina July 29, 2011

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List of Abbreviations

AES	Analytical Environmental Services
bgs	Below Ground Surface
BC	Brown and Caldwell
1,1-DCA	1,1-Dichloroethane
1,2-DCA	1,2-Dichloroethane
1,1-DCE	1,1-Dichloroethene
cis-1,2-DCE	cis-1,2-Dichloroethene
DO	Dissolved Oxygen
EISOP/QAM	Environmental Investigations Standard Operating Procedures and Quality Assurance Manual
EB	Equipment Blank
EPA	United States Environmental Protection Agency
MCL	EPA Maximum Contaminant Level
MKT	Mann Kendall Test
NAVD	North American Vertical Datum of 1988
NTU	Nephelometric Turbidity Unit
ORP	Oxidation Reduction Potential
PCE	Tetrachloroethene
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Recovery and Conservation Act
RFI	RCRA Facility Investigation
RL	Reporting Limit
SCDHEC	South Carolina Department of Health and Environmental Control
SESDPROC	Science and Ecosystem Support Division Groundwater Sampling Procedure
SWMU	Solid Waste Management Unit
1,1,1-TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
trans-1,2-DCE	trans-1,2-Dichloroethene
ug/L	Microgram per Liter
VOCs	Volatile Organic Compounds
Waterloo	Solinst Waterloo Multilevel Groundwater Monitoring System



Professional Geologist Certification

The 2011 Semiannual Groundwater Monitoring Report has been prepared under the direction and supervision of a qualified, State of South Carolina licensed, Professional Geologist. Mr. Reinhard Ruhmke, P.G., of Brown and Caldwell was responsible for the overall preparation of the Report.

Juhne

Reinhard Ruhmke, P.G. Managing Geologist South Carolina Professional Geologist #2469

July 29, 2011

Date





Section 1 Introduction

This 2011 Semiannual Groundwater Monitoring Report was prepared by Brown and Caldwell (BC) on behalf of the Owens Corning Starr, South Carolina facility for submittal to the U.S. Environmental Protection Agency (EPA) in accordance with an October 1989 Consent Order (89-34-R) with the EPA under Section 3008(h) of the Resource Recovery and Conservation Act (RCRA). The report summarizes the February and May 2011 quarterly groundwater monitoring events and May 2011 semiannual residential well monitoring event. The Consent Order requires that Owens Corning perform annual groundwater monitoring and in 2005 EPA required that quarterly groundwater monitoring be conducted for select bedrock wells located in the Northeast Area (MW-15, MW-22, and MW-29R). Since that time, additional bedrock monitoring wells (MW-33, MW-35, MW-36, MW-37, MW-38, MW-39, MW-41, and MW-42) have been installed and were included in the two quarterly monitoring events reported herein. In 2009 EPA required Owens Corning to conduct semiannual monitoring of select residential wells located to northeast of the Site.

Section 1 of this report presents an introduction and Section 2 summarizes the groundwater monitoring activities. Section 3 provides and discusses the analytical results and Section 4 provides conclusions. Appendices to this document contain the laboratory analytical reports, historical groundwater data, groundwater sampling field forms, and Mann-Kendall test results.

The Owens Corning facility is situated on 160 acres of land located at 4837 Highway 81 South in Starr, South Carolina within Anderson County (Site). As shown on Figure 1 the property is bounded by Highway 81 South to the west, True Temper Road to the north, Keys Street to the east, and Harry Drive to the south. The facility is located approximately 4 miles south of the town of Anderson.

The facility began its composite systems business operations in 1951 and since then has engaged in the production of glass fiber reinforcements and similar materials for composite systems. Historical manufacturing processes involved a variety of chemicals, including acids and solvents, some of which were inadvertently released to the environment and resulted in significant Site investigation work that has been reported to EPA and the South Carolina Department and Environmental Control (SCDHEC).



Section 2 Groundwater Assessment

Brown and Caldwell personnel performed the first and second quarter groundwater monitoring events between February 14 and 17 and May 9 and 12, 2011, respectively. Residential well sampling was performed on May 10 and 11, 2011. Section 2 provides an overview of these events and includes detailed information on site hydrogeology and aquifer characteristics, groundwater and residential well sampling locations, sampling procedures and analytical methods.

2.1 Subsurface Geology

The Owens Corning site is located within the Inner Piedmont Belt of the Piedmont Geologic Physiographic Province that is characterized by moderate to high-grade metamorphic rocks of Precambrian to early Paleozoic age. The bedrock in the vicinity of the Site is granitic gneiss which is overlain by overburden comprised of clay and silt soil, and saprolite. The saprolite exhibits some structural characteristics of the parent rock material such as foliation and fracturing. The thickness of the overburden and saprolite unit beneath the Site ranges from approximately 5 to 100 feet. The primary lineaments and fracture zones beneath the Site trend in a northeast and southwest orientation (LeGrand and Furcron, 1956). A more detailed description of the geology beneath the Site can be found in the Supplemental RCRA Facility Investigation (RFI) Report (Brown and Caldwell, January 2009), which was prepared by BC on behalf of Owens Corning for submittal to the EPA.

2.2 Aquifer Characteristics

At the Site, groundwater is present in both the overburden/saprolite unit and the bedrock unit. Water level measurements were collected from 31 wells during the February and May 2011 monitoring events. Well construction details, including ground surface and top of casing elevations, are provided in Table 1 and depth to water and groundwater elevations measured during the February and May monitoring events are provided in Tables 2 and 3, respectively. Refer to the Site Map in Figure 1 to identify well locations. This information was used to calculate groundwater elevations and prepare potentiometric maps for the overburden and bedrock aquifers for the February (Figures 2 through 5) and May (Figures 6 through 9) 2011 monitoring events.

Based on the monitoring well measurements from February and May 2011, groundwater levels in the overburden aquifer ranged from approximately 3 (MW-11) to 19 (MW-14) feet below ground surface (bgs) and from 776 to 778 feet in elevation [North American Vertical Datum of 1988 (NAVD88)]. Measurements from the same time period taken from wells in the bedrock aquifer exhibit hydraulic heads ranging from 8 feet above ground surface (MW-41 Zone 2) to 42 feet bgs (MW-42 Zone 2) and from 778 to 743 feet in elevation (NAVD88), with the variation in hydraulic head being highly dependent on both the elevation and fractures present in the wells screened-interval.

Based on the February and May 2011 data, groundwater onsite in both overburden and bedrock aquifers flows toward the fracture zones associated with Betsy Creek, giving an east-northeasterly gradient. Measurements from the bedrock aquifer wells offsite indicate that flow direction continues to align with Betsy Creek as the stream turns to flow to the north-northeast in the area of MW-35. The magnitude of the horizontal gradient onsite varies depending on the aquifer and fracture zone. Based on the May 2011 data, observed horizontal gradients (feet/foot) are as follows: 0.015 in the overburden (calculated between MW-23 and MW-21); 0.015 in the bedrock aquifer in the 699-740 ft NAVD88 zone

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(calculated between MW-27 and MW-41 Zone 1); 0.015 in the bedrock aquifer in the 660-699 ft NAVD88 zone (calculated between MW-6 and MW-15); and 0.0095 in the bedrock aquifer in the 574-630 ft NAVD88 zone (calculated between MW-19 and MW-41 Zone 2). The following vertical gradients were also observed in May: a downward gradient of 0.0059 onsite near Betsy Creek (calculated between MW-11 and MW-19); and an upward gradient of 0.034 at the intersection of Keys Street and True Temper Road across the overburden/bedrock aquifer (calculated between MW-21 and MW-38 Zone 2).

Additional information can be found in the Supplemental RFI Report (Brown and Caldwell, January 2009).

2.3 Groundwater Monitoring Wells

The original quarterly groundwater monitoring program included seven bedrock monitoring wells (MW-15, MW-22, MW-29R, MW-33, MW-35, MW-36 and MW-37). MW-33 has since been removed from the quarterly and annual groundwater monitoring program because it will become one of the groundwater extraction wells for the interim measures hydraulic containment system. The removal of this well from the monitoring program is of little consequence since there are several wells in the surrounding area that provide both hydraulic potential and concentration data that are used to model plume behavior. During the summer of 2010, four additional bedrock wells (MW-38, MW-39, MW-41, and MW-42) were installed and added to the quarterly monitoring program.

Therefore, the current quarterly groundwater monitoring program includes the following 10 bedrock monitoring wells:

 Bedrock Wells: MW-15, MW-22, MW-29R, MW-35, MW-36, MW-37, MW-38, MW-39, MW-41, and MW-42.

The locations of the wells are shown on Figure 1 and well construction details are provided in Table 1. Multiple water-bearing zones were sampled in bedrock wells MW-29R, MW-36, MW-37, MW-38, MW-39, MW-41, and MW-42 (Tables 4 and 5).

2.4 Groundwater Sampling Procedures

On February 14 and May 9, 2011, depths to groundwater measurements were collected from the 10 bedrock monitoring wells. Water levels were also measured in monitoring wells MW-3, MW-4, MW-6, MW-11, MW-12, MW-13, MW-14, MW-16, MW-19, MW-21, MW-23, MW-25, MW-26, MW-27, P2, Alloy, TW-40, TW-41, TW-42, TW-43 and TW-44. The water level meter was decontaminated between wells with an Alconox® solution and rinsed with distilled water.

Sampling procedures were performed in the same manner as the previous monitoring events. Prior to collecting groundwater samples from the wells, the wells were purged using either a low-flow submersible electric pump, bladder pump or a peristaltic pump. The Waterloo system monitoring zones were purged and sampled using their dedicated compressed air driven stainless steel double valve pumps. Groundwater was pumped at an approximate rate of 0.25 gallons per minute through new or dedicated polyethylene tubing equipped with a field-calibrated, in-line YSI® 556 meter to measure field parameters: pH, temperature, specific conductance, oxidation-reduction potential (ORP), and dissolved oxygen (DO). Turbidity was measured using a HF® Scientific DRT-15CE turbidity meter. Purging was considered complete when at least three of the field parameters had stabilized. An attempt was made to obtain turbidity readings of less than 10 Nephelometric Turbidity Units (NTUs); however, this was not achieved for all the wells. Groundwater samples were collected when pH, temperature and specific conductance had stabilized as defined in EPA's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual (EISOP/QAM), November 2001 and Science and EPA's Ecosystem Support Division Groundwater Sampling Procedure (SESDPROC-301-RO), February 2007. Groundwater sampling field data sheets documenting the purging activities are included as Appendix A.



Groundwater samples were collected from the wells using the same low-flow pump that was used for purging. The pump was decontaminated between sample locations using an Alconox® solution and rinsed with distilled water. The groundwater samples were labeled, containerized, documented, placed into a cooler containing ice and chilled to about 4 degrees Celsius (temperatures verified by laboratory and are reported in the laboratory analytical report in Appendix B). Monitoring wells were sampled from least contaminated to most contaminated, based on previous groundwater monitoring data, to minimize the potential for carryover and cross-contamination between wells.

2.5 Residential Well Sampling Procedures

During the May 2011 quarterly sampling event, 12 residential wells were sampled (Figure 10). Two additional residences were visited but their wells could not be sampled; the groundwater pump in the well at 134 Friendship Lane was disconnected, and there was insufficient groundwater in the well at 335 Elrod Road to collect a sample.

The residential wells were sampled in accordance with methods described in EPA's Field Branches Quality System and Technical Procedures. Wells that pumped into a holding tank were purged of at least one tank volume (generally 15 to 20 gallons) and water quality parameters such as, pH, conductivity, temperature, DO, ORP, and turbidity were measured and recorded in a field notebook. After purging, the samples were collected at a low flow rate through a hose connected to the holding tank. Wells that did not utilize a holding tank were sampled directly from the well head. The groundwater samples were labeled, containerized, documented, placed into a cooler containing ice and chilled to about 4 degrees Celsius (temperatures verified by laboratory and are reported in the laboratory analytical report in Appendix B).

Once the analytical data were validated, a letter documenting the results for each well owner was prepared and delivered to each well owner by Mr. Steve Tenry, the Anderson Plant Environmental Manager.

2.6 Analytical Procedures

Groundwater and residential well samples were submitted to Analytical Environmental Services, Inc. (AES) of Atlanta, Georgia for analysis of the focused list of volatile organic compounds (VOCs) using EPA Method 8260B. The focused list of VOCs included tetrachloroethene (PCE); trichloroethene (TCE); 1,1,1-trichloroethane (1,1,1-TCA); 1,1-dichloroethane (1,1-DCA); 1,2-dichloroethane (1,2-DCA); 1,1-dichloroethene (cis-1,2-DCE); trans-1,2-dichloroethene (trans-1,2-DCE); vinyl chloride; carbon tetrachloride; chloroform; methylene chloride; benzene; toluene; ethylbenzene and xylenes.

2.7 Quality Assurance/Quality Control

The groundwater sampling was performed in accordance with EPA's EISOP/QAM, November 2001 and EPA's SESDPROC-301-RO. To assess the quality of the sampling program, duplicate samples were collected (approximately one sample for every 20 samples) and analyzed for the focused list of VOCs. One duplicate sample was collected during the February sampling event. One duplicate groundwater sample and one duplicate residential well sample were collected during the May sampling event. An evaluation of the analytical results for the duplicate samples showed that the reported constituents and concentrations were similar. Three equipment blanks (EBs) were collected during the February sampling and four EBs were collected during the May sampling to determine the efficacy of non-dedicated equipment decontamination activities. The EB samples were obtained by collecting distilled water passed through or over decontaminated equipment. Trip blanks, provided by AES, were in all coolers and were submitted for analysis with the groundwater samples. The EB and trip blank samples were analyzed for the same constituents as the groundwater samples. No detections were found in any of the EB or trip blank samples. The analytical reports for these samples are provided in Appendix B.

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Section 3 Analytical Results

The following section includes the results for the February and May 2011 quarterly groundwater events and the May 2011 residential well monitoring event. The quarterly events included collecting groundwater samples from six bedrock wells located on the northeast portion of the Owens Corning property (including MW-15, MW-22, MW-29R, MW-36, MW-37, and MW-38), and four offsite bedrock wells (MW-35, MW-39, MW-41, and MW-42). In addition, samples were collected from 12 residential wells during the May 2011 quarterly event.

The February and May 2011 groundwater analytical results are summarized in Tables 4 and 5, respectively. The May 2011 residential well analytical results are summarized in Table 6. Historical groundwater analytical data can be found in previous reports submitted to EPA and summaries of this information can be found in Appendix C of this report. Analytical reports that include method detection limits and quality assurance/quality control (QA/QC) information are provided in Appendix B.

One analytical parameter, 1,1-DCE, was selected for presentation on isoconcentration contour maps for the February and May events as shown on Figures 11 through 16. This analyte was selected because it is the most prevalent and widespread analyte detected in the bedrock wells.

3.1 Groundwater Analytical Results

To understand the distribution of 1,1-DCE, isoconcentration maps were created for multiple vertical intervals within the fractured bedrock. The projected distribution of 1,1-DCE over the vertical intervals from 699 feet to 740 feet, 660 feet to 699 feet and 574 feet to 630 feet NAVD88 for the February and May 2011 events is presented on Figures 11 through 13 and Figures 14 through 16, respectively. Assuming that 1,1-DCE entered the top of bedrock near solid waste management unit (SWMU) 9, the axis of the plume, consistent with the groundwater flow direction and local bedrock fracture patterns as identified in the Bedrock Geologic Map of the Little Mountain Area Anderson South Quadrangle, is oriented to the north-northeast. Refer to the *Supplemental RCRA Facility Investigation Report* (Brown and Caldwell, January 2009) for a more detailed review of these figures.

Concentrations of 1,1-DCE in wells MW-15 and MW-22 have both decreased since February 2009 (Tables 4 and 5). MW-22 is located just northeast of the wastewater lagoons. The concentration of 1,1-DCE in MW-22 decreased from 570 microgram per liter (ug/L) in February to 310 ug/L in May 2011. In MW-15, located northeast of MW-22, 1,1-DCE remained relatively stable from February and May 2011, with concentrations of 260 and 250 ug/L, respectively.

Concentrations of 1,1-DCE in well MW-29R Zone 3 and Zone 4 appear to be consistent with historical values. In Zone 3, the concentration of 1,1-DCE was 340 ug/L in February which increased to 560 ug/L in May 2011, following a similar trend shown in 2010. In Zone 4, concentrations followed a very similar trend as Zone 3 and as shown in 2010, starting the year at 320 ug/L in February and increasing to 590 ug/L in May. In well MW-36, located north and hydraulically downgradient of well MW-29R, 1,1-DCE has not been detected above its' groundwater maximum contaminant level (MCL) of 7 ug/L in any of the three zones since it was installed in 2008.



During the first two quarterly monitoring events of 2011, the concentration of 1,1-DCE in MW-37 Zone 1 decreased from 40 μ g/L in February to 9.7 μ g/L in May. Concentrations of 1,1-DCE in MW-37 Zone 2 increased from 97 μ g/L in February to 190 μ g/L in May. Concentrations of 1,1-DCE concentrations in MW-37 Zone 3 have decreased since 2009. In Zone 3, the concentration of 1,1-DCE was < 5 μ g/L in both the February and May 2011 quarterly sampling events, compared to 11 ug/L back in February 2009. Bedrock well MW-39 was installed in summer 2010 southeast of MW-37 to delineate 1,1-DCE in this direction. No VOCs, including 1,1-DCE, were detected in groundwater from MW-39 above laboratory reporting limits (RLs) during the February and May monitoring events (Tables 4 and 5). Accordingly, delineation of the south edge of the plume appears to be complete.

Well MW-35, an artesian well located northeast of the intersection of True Temper Road and Keys Streets, contained 290 µg/L of 1,1-DCE in February, a decrease from 490 ug/L that was measured in November 2010. However, the concentration of 1,1-DCE in MW-35 increased to 530 ug/L in May. Overall, however, concentrations of 1,1-DCE in MW-35 appear to be consistent with historical values. Bedrock wells MW-41 and MW-42 were first included in the monitoring program in summer of 2010 to delineate 1,1-DCE in the Northeast Area. Both wells consist of nested wells, such that three independent zones could be sampled. The 1,1-DCE concentration in MW-41 Zone 1 increased from 380 ug/L in February to 450 ug/L in May 2011. Zone 2 contained 350 ug/L of 1,1-DCE during the February monitoring event and 250 ug/L during the May monitoring event. Groundwater collected from MW-41 Zone 3 contained 150 ug/L of 1,1-DCE in February and 96 ug/L in May 2011, compared to 260 ug/L originally measured in August 2010. MW-42 is currently the farthest well from the Site in the hydraulically downgradient northeast direction. During the February and May monitoring events, no VOCs were detected above MCLs in groundwater collected from MW-42. Therefore, the plume appears to be delineated to the northeast.

The only other contaminant detected above an MCL in the bedrock wells was carbon tetrachloride. This contaminant was detected in MW-22 and MW-29R Zones 3 and 4 during both monitoring events at maximum concentrations of 19 μ g/L in February (MW-22) and 23 ug/L in May (MW-22 and MW-29R). No other parameters from the focused list of VOCs were detected above MCLs in the bedrock well samples.

3.2 Residential Well Analytical Results

None of the parameters from the focused list of VOCs were detected above RLs in the residential well samples. All residential well analytical results are included in Table 6. Approximate locations of the residential wells are depicted on Figure 10, with the corresponding well location map ID's provided in Table 7. Analytical reports that include method detection limits and QA/QC information are provided in Appendix B.



Section 4 Summary and Conclusions

The first and second quarterly monitoring events were conducted at the Owens Corning Site in February and May 2011, respectively. Samples were collected from 10 bedrock wells during the each of the quarterly sampling events and from 12 residential wells during the May sampling event. The samples were analyzed for the focused list of VOCs. Multiple water-bearing zones were sampled in wells MW-29R, MW-36, MW-37, MW-38, MW-39, MW-41, and MW-42.

The following conclusions were developed based on the quarterly monitoring events summarized in this report:

- Based on historical and recent site monitoring data 1,1-DCE and 1,1,1-TCA are the primary constituents in groundwater, though 1,1 DCE is the primary constituent that persists beyond SWMU-9 and the property boundary, though there it is only found within the bedrock water-bearing zone and not the overburden.
- The main constituent in the bedrock aquifer is 1,1-DCE. Concentration data obtained from the Northeast Area bedrock wells MW-29R, MW-35 and MW-37 reveal that the plume in this area has been relatively stable since early 2010. The only other VOC detected in bedrock wells above an MCL was carbon tetrachloride at concentrations less than 25 ug/L since early 2010.
- In bedrock well MW-41, located downgradient and to the north of MW-35, the concentration of 1,1-DCE has decreased in Zone 3 since the August 2010 monitoring event by 63 percent. Concentrations of 1,1-DCE in Zones 1 and 2 have remained relatively consistent in this well.
- 1,1-DCE and carbon tetrachloride concentrations in the bedrock wells appear to be consistent with or less than recent historical values.
- During the February and May 2011 monitoring events, no VOCs were detected above MCLs in groundwater collected from the offsite bedrock wells, MW-39 and MW-42. Monitoring well MW-42 is the farthest monitoring well in the northeast direction from the Site, and monitoring well MW-39 is the farthest in the southeast direction. Accordingly, delineation of the south and eastern edges of the plume appears to be complete.
- Owens Corning previously proposed the installation of another bedrock well downgradient of MW-41 for additional delineation of the VOC plume. Monitoring well MW-43 with three independent monitoring zones was therefore installed in April 2011. Packer testing was completed and no VOCs were detected above MCLs in groundwater collected from the three zones. Accordingly, delineation to the north appears to be complete.

The next quarterly monitoring event is planned for August 2011, followed by the annual monitoring event in November 2011.



Section 5 Limitations

This document was prepared solely for Owens Corning in accordance with professional standards at the time the services were performed and in accordance with the contract between Owens Corning and Brown and Caldwell dated January 11, 2011. This document is governed by the specific scope of work authorized by Owens Corning; it is not intended to be relied upon by any other party except for regulatory authorities contemplated by the scope of work. We have relied on information or instructions provided by Owens Corning and other parties and, unless otherwise expressly indicated, have made no independent investigation as to the validity, completeness, or accuracy of such information.



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- Overburden Monitoring Well
- Top of Rock Monitoring Well
- Bedrock Monitoring Well
- Extraction Well
- ---- Streams
- Second second

- Groundwater Elevation Contour
- Estimated Groundwater Elevation Contour
- 789.12 Groundwater Elevation (Feet NAVD88)







- Overburden Monitoring Well 0
- Top of Rock Monitoring Well •
- Bedrock Monitoring Well ٢
- Extraction Well ۲
- Streams \sim
- Ponds 5
 - Groundwater Elevation Contour
 - Estimated Groundwater Elevation Contour
- _ Groundwater Elevation (Feet NAVD88) 789.12





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LEGEND

- Overburden Monitoring Well
- Top of Rock Monitoring Well
- Bedrock Monitoring Well
- Extraction Well
- ---- Streams
- **5** Ponds

- Groundwater Elevation Contour
- Estimated Groundwater Elevation Contour
- 789.12 Groundwater Elevation (Feet NAVD88)







- Overburden Monitoring Well
- Top of Rock Monitoring Well
- Bedrock Monitoring Well
- Extraction Well
- Streams
- **5** Ponds

- Groundwater Elevation Contour
- Estimated Groundwater Elevation Contour
- 789.12 Groundwater Elevation (Feet NAVD88)













- Overburden Monitoring Well
- Top of Rock Monitoring Well
- Bedrock Monitoring Well
- Extraction Well
- Streams
- Ponds
- Groundwater Elevation Contour
- Estimated Groundwater Elevation Contour
- 789.12 Groundwater Elevation (Feet NAVD88)















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77

- Ponds
- Streams
- Owens Corning Property Boundaries
- Well Sampled Semiannually
  - Well Previously Sampled
  - Not in Service
  - Well Observed

A Map ID that corresponds to Table 7 - Residential Well Location Map ID



E CKE D B





- Overburden Monitoring Well 0
- Top of Rock Monitoring Well •
- Bedrock Monitoring Well •
- Extraction Well •
- Streams  $\sim$
- Ponds 5

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- 1,1-DCE Isocontour
- Estimated 1,1-DCE Isocontour
- 1,1-Dichloroethene (1,1-DCE) Concentration 340
- Concentration Below Detection Limit <5







- Overburden Monitoring Well 0
- Top of Rock Monitoring Well •
- Bedrock Monitoring Well •
- Extraction Well ۲
- Streams  $\sim$
- Ponds 5

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340

- Groundwater Elevation Contour
- Estimated Groundwater Elevation Contour
- 1,1-Dichloroethene (1,1-DCE) Concentration
- Concentration Below Detection Limit <5.0







- Overburden Monitoring Well
- Top of Rock Monitoring Well
- Bedrock Monitoring Well
- Extraction Well
- ---- Streams
- **5** Ponds

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340

- Groundwater Elevation Contour
- Estimated Groundwater Elevation Contour
- 1,1-Dichloroethene (1,1-DCE) Concentration
- <5.0 Concentration Below Detection Limit







- Overburden Monitoring Well
- Top of Rock Monitoring Well
- Bedrock Monitoring Well
- Extraction Well
- Streams
- Ponds
- Groundwater Elevation Contour
- Estimated Groundwater Elevation Contour
- 120 1,1-Dichloroethene (1,1-DCE) Concentration
- <5.0 Concentration Below Detection Limit







- Overburden Monitoring Well
- Top of Rock Monitoring Well
- Bedrock Monitoring Well
- Extraction Well
- Streams
- > Ponds
- Groundwater Elevation Contour
- Estimated Groundwater Elevation Contour
- 120 1,1-Dichloroethene (1,1-DCE) Concentration
- <5.0 Concentration Below Detection Limit







- Overburden Monitoring Well
- Top of Rock Monitoring Well
- Bedrock Monitoring Well
- Extraction Well
- ---- Streams
- > Ponds

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- Groundwater Elevation Contour
- Estimated Groundwater Elevation Contour
- 120 1,1-Dichloroethene (1,1-DCE) Concentration
- <5.0 Concentration Below Detection Limit



| Table 1 - Well Construction Details         Owens Corning - Anderson, SC |                  |           |                        |          |            |                        |                          |                  |                  |  |  |  |  |
|--------------------------------------------------------------------------|------------------|-----------|------------------------|----------|------------|------------------------|--------------------------|------------------|------------------|--|--|--|--|
|                                                                          |                  |           | Screen                 | Screened | Denth to   | Northing               | Easting                  | Surface          |                  |  |  |  |  |
| Monitoring Well                                                          | Well Type        | Date      | Interval*              | Interval | Rock       | (Feet - South          | (Feet - South            | Elevation        | TOC Elevation    |  |  |  |  |
|                                                                          |                  | Installed | (Feet BGS)             | Location | (Feet BGS) | Carolina State         | Carolina State           | (Feet NAVD88)    | (reet NAVD88)    |  |  |  |  |
| MW-1                                                                     | 2" AG            | 02/22/93  | 55-65                  | 0        | >65        | 950361.45              | 1499402.43               | 824.27           | 826.62           |  |  |  |  |
| MW-2                                                                     | 2" AG            | 02/24/93  | 56.7-66.7              | TOR      | 66         | 950815.49              | 1499202.99               | 820.26           | 822.68           |  |  |  |  |
| MW-3                                                                     | 2" AG            | 10/15/90  | 13-28                  | 0        | >31.5      | 951884.52              | 1500961.49               | 795.61           | 796.76           |  |  |  |  |
| MW-5                                                                     | 2" AG            | 10/18/90  | 12.0-27.0              | 0        | >30        | 950527.98              | 1500884.25               | 804.74           | 806.50           |  |  |  |  |
| MW-6                                                                     | 2" F             | 03/16/93  | 123.6-133.6            | BR       | 105        | 950709.08              | 1499400.62               | 819.82           | 819.69           |  |  |  |  |
| MW-7                                                                     | 2" F             | 10/19/90  | 15.9-30.9              | 0        | >36.5      | 950714.02              | 1499393.19               | 819.70           | 819.27           |  |  |  |  |
| MW-8                                                                     | 2"AG             | 10/16/90  | 5.5-20.5               | 0        | >36.5      | 952247.16              | 1499696.61               | 799.29           | 801.56           |  |  |  |  |
| MW-10                                                                    | 2" F<br>2" F     | 03/17/93  | 94-104<br>61.4-71.4    | TOR      | 72         | 950720.70<br>950516.57 | 1500028.94               | 819.75           | 819.41           |  |  |  |  |
| MW-11                                                                    | 2" AG            | 09/11/85  | 6.0-16.0               | 0        | >16        | 951694.26              | 1500875.42               | 778.32           | 780.22           |  |  |  |  |
| MW-12                                                                    | 2" AG            | 09/11/85  | 23-33                  | 0        | >33        | 951692.46              | 1500878.27               | 778.42           | 780.95           |  |  |  |  |
| MW-13                                                                    | 2" AG            | 03/10/93  | 67-72                  | TOR      | 61         | 951715.51              | 1500885.54               | 779.20           | 782.22           |  |  |  |  |
| MW-14<br>MW-15                                                           | 2" AG<br>2" AG   | 02/10/93  | 69.2-74.2<br>69.5-99.5 | BR       | /3<br>12   | 952076.49              | 1501026.29               | 796.39           | 798.45<br>779.45 |  |  |  |  |
| MW-16                                                                    | 2" AG            | 08/05/93  | 49-59                  | BR       | 15         | 951830.99              | 1501866.46               | 768.14           | 770.37           |  |  |  |  |
| MW-17                                                                    | 4" AG            | 02/18/93  | 24.1-39.1              | TOR      | 39         | 950890.06              | 1500282.57               | 813.66           | 816.07           |  |  |  |  |
| MW-18                                                                    | 2" AG            | 02/15/93  | 10.6-25.6              | 0        | >30        | 950807.43              | 1499198.46               | 820.36           | 822.71           |  |  |  |  |
| MW-19<br>MW-20                                                           | 2" AG            | 08/05/93  | 154-169                | BR       | 72<br>64   | 951/18.14<br>951403 36 | 1500902.65               | 779.69<br>808.70 | 781.81<br>810.95 |  |  |  |  |
| MW-20                                                                    | 2" AG            | 04/23/93  | 6.5-16.5               | TOR      | 16         | 951834.28              | 1501856.83               | 768.63           | 771.15           |  |  |  |  |
| MW-22                                                                    | 8" AG            | 08/17/93  | 78-116                 | BR       | 51         | 951733.53              | 1500909.06               | 780.45           | 782.65           |  |  |  |  |
| MW-23                                                                    | 2" AG            | 06/04/93  | 83-93                  | TOR      | 93         | 951623.62              | 1499577.68               | 808.97           | 811.47           |  |  |  |  |
| MW-24                                                                    | 2" F             | 06/04/93  | 62-72                  | TOR      | 75         | 951671.65              | 1500421.59               | 796.50           | 796.27           |  |  |  |  |
| MW-25                                                                    | 2" AG<br>2" AG   | 06/09/93  | 40-50                  | 0        | >67.5      | 951920.70              | 1501727.14               | 774.40           | 793.09           |  |  |  |  |
| MW-27                                                                    | 8" AG            | 08/11/93  | 69-99                  | BR       | 68.5       | 951386.97              | 1500135.48               | 808.93           | 811.13           |  |  |  |  |
| MW-28                                                                    | 2" F             | 04/20/04  | 21-31                  | 0        | >31        | 950735.05              | 1499414.47               | 819.97           | 819.77           |  |  |  |  |
| MW-29R Zone 1                                                            | Waterloo - T     | 11/06/08  | 56.7-69.8              | BR       | 53         | 952139.28              | 1501742.31               | 784.90           | 787.03           |  |  |  |  |
| MW-29R Zone 2                                                            | Waterloo - T     | 11/06/08  | 127.3-139.5            | BR       | 53<br>53   | 952139.28              | 1501742.31               | 784.90           | 787.03           |  |  |  |  |
| MW-29R Zone 3                                                            | Waterloo - P & T | 11/06/08  | 177.6-202.2            | BR       | 53         | 952139.28              | 1501742.31               | 784.90           | 787.03           |  |  |  |  |
| MW-30                                                                    | 2" F             | 04/13/06  | 103-113                | TOR      | 113        | 951106.58              | 1499550.99               | 819.50           | 819.14           |  |  |  |  |
| MW-31                                                                    | 2" F             | 04/12/06  | 80-90                  | TOR      | 90         | 951325.04              | 1499740.38               | 818.20           | 817.96           |  |  |  |  |
| MW-32                                                                    | 2" F             | 04/18/06  | 25-35                  | 0<br>BD  | >35        | 950765.22              | 1499373.24               | 819.68           | 819.40           |  |  |  |  |
| MW-34 Zone 1<br>MW-34 Zone 2                                             | Waterloo - T     | 11/06/08  | 114.4-114.9            | BR       | 12         | 951843.19              | 1501873.86               | 768.10           | 770.06           |  |  |  |  |
| MW-34 Zone 3                                                             | Waterloo - P & T | 11/06/08  | 149.9-150.4            | BR       | 12         | 951843.19              | 1501873.86               | 768.10           | 770.06           |  |  |  |  |
| MW-34 Zone 4                                                             | Waterloo - T     | 11/06/08  | 174.4-174.9            | BR       | 12         | 951843.19              | 1501873.86               | 768.10           | 770.06           |  |  |  |  |
| MW-34 Zone 5                                                             | Waterloo - P & T | 11/06/08  | 239.9-240.4            | BR       | 12         | 951843.19              | 1501873.86               | 768.10           | 770.06           |  |  |  |  |
| MW-36 Zone 1                                                             | Waterloo - P & T | 10/02/08  | 99.1-116               | BR       | 84         | 952629.06              | 1501831.75               | 740.90           | 745.63           |  |  |  |  |
| MW-36 Zone 2                                                             | Waterloo - T     | 11/06/08  | 139.5-150.7            | BR       | 84         | 952629.06              | 1501831.75               | 783.00           | 785.63           |  |  |  |  |
| MW-36 Zone 3                                                             | Waterloo - P & T | 11/06/08  | 180.2-192.7            | BR       | 84         | 952629.06              | 1501831.75               | 783.00           | 785.63           |  |  |  |  |
| MW-36 Zone 4                                                             | Waterloo - T     | 11/06/08  | 225.6-239.2            | BR       | 84         | 952629.06              | 1501831.75               | 783.00           | 785.63           |  |  |  |  |
| MW-37 Zone 1                                                             | 1" AG            | 11/06/08  | 269.9-275              | BR       | 84<br>87   | 952629.06              | 1501831.75               | 783.00           | 785.63           |  |  |  |  |
| MW-37 Zone 2                                                             | 1" AG            | 09/30/08  | 222-232                | BR       | 87         | 951472.48              | 1501852.13               | 780.20           | 782.84           |  |  |  |  |
| MW-37 Zone 3                                                             | 1" AG            | 09/30/08  | 257-272                | BR       | 87         | 951472.27              | 1501852.21               | 780.20           | 782.79           |  |  |  |  |
| MW-38 Zone 1                                                             | 1" AG            | 07/21/10  | 415-430                | BR       | 8          | 951863.56              | 1501888.44               | 768.10           | 771.23           |  |  |  |  |
| MW-39 7one 1                                                             | 1" AG            | 07/19/10  | 419.0-499.0<br>95-105  | BR       | 80<br>80   | 950693.36              | 1502369.57               | 804.10           | 806.02           |  |  |  |  |
| MW-39 Zone 2                                                             | 1" AG            | 07/20/10  | 195-215                | BR       | 80         | 950693.25              | 1502369.71               | 804.10           | 806.02           |  |  |  |  |
| MW-39 Zone 3                                                             | 1" AG            | 07/20/10  | 280-300                | BR       | 80         | 950693.48              | 1502369.76               | 804.10           | 806.02           |  |  |  |  |
| MW-41 Zone 1                                                             | 1" AG            | 08/04/10  | 17-32                  | BR       | 8          | 953351.51              | 1503709.74               | 733.40           | 736.56           |  |  |  |  |
| MW-41 Zone 2                                                             | 1" AG            | 08/04/10  | 279-229                | BB<br>BB | 8<br>8     | 953351.31<br>953351 59 | 1503709.69               | 733 40           | 736.79           |  |  |  |  |
| MW-42 Zone 1                                                             | 1" F             | 07/22/10  | 114-129                | BR       | 108        | 953676.64              | 1505460.98               | 785.50           | 785.44           |  |  |  |  |
| MW-42 Zone 2                                                             | 1" F             | 07/22/10  | 202-222                | BR       | 108        | 953676.59              | 1505460.79               | 785.50           | 785.42           |  |  |  |  |
| MW-42 Zone 3                                                             | 1" F             | 07/23/10  | 265-285                | BR       | 108        | 953676.51              | 1505460.71               | 785.50           | 785.40           |  |  |  |  |
| P1<br>P2                                                                 | 2" AG            | 02/22/93  | 24.5-39.5<br>53-115    | BR       | 39<br>45   | 950917.56<br>951750.01 | 1500275.17<br>1500946 57 | 813.10<br>783.02 | 815.42<br>785.65 |  |  |  |  |
| Alloy                                                                    | 2" AG            | 08/09/93  | 56-61                  | BR       | 56         | 951358.03              | 1501028.29               | 789.56           | 791.69           |  |  |  |  |
| TW-40                                                                    | 2" AG            | 08/30/01  | 84-94                  | BR       | 30         | 952247.76              | 1501784.65               | 785.81           | 788.63           |  |  |  |  |
| TW-41                                                                    | 2" AG            | 08/27/01  | 50.3-55.3              | BR       | 25.5       | 952119.32              | 1501966.54               | 775.50           | 778.84           |  |  |  |  |
| TW-42                                                                    | 1" AG            | 08/20/01  | 21-26<br>86-196        | TOR      | 26         | 952131.39              | 1501972.00               | 775.86           | 778.09           |  |  |  |  |
| TW-43                                                                    | 2" AG            | 08/31/01  | 64-74                  | BR       | 46         | 951988.65              | 1501305.71               | 782.68           | 785.52           |  |  |  |  |
| TW-45                                                                    | 1" F             | 08/21/01  | 18.8-28.8              | 0        | >29        | 951284.02              | 1499935.21               | 816.70           | 816.76           |  |  |  |  |
| TW-46                                                                    | 2" F             | 09/05/01  | 83.3-88.3              | TOR      | 88         | 951278.63              | 1499934.00               | 816.72           | 816.58           |  |  |  |  |

F - Flush Mount; AG - Above Ground; T - Transducer only; P & T - Pump and Transducer

 $\ensuremath{^{\ast}\text{For}}$  Waterloo type wells the listed screen interval corresponds to each zones sand pack

BR - Bedrock; O - Overburden; TOR - Top of Rock

BGS - Below Ground Surface; TOC - Top of Casing

NAD83 - North American Datum of 1983

NAVD88 - North American Vertical Datum of 1988

| Table 2 - Quarterly Sampling Groundwater Elevation Data - February 2011 |                 |          |                     |                |                    |               |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------|-----------------|----------|---------------------|----------------|--------------------|---------------|--|--|--|--|--|--|--|
| February 14, 2011                                                       |                 |          |                     |                |                    |               |  |  |  |  |  |  |  |
|                                                                         |                 | (        | Owens Corning - And | erson, SC      |                    |               |  |  |  |  |  |  |  |
|                                                                         |                 | •        |                     | ,              | Static Depth to    | Static Water  |  |  |  |  |  |  |  |
|                                                                         | Screen Interval | Screened | Surface Elevation   | TOC Elevation  | Water              | Flevation     |  |  |  |  |  |  |  |
| Monitoring Well                                                         | (Feet BGS)      | Interval | (Feet NAVD88)       | (Feet NAVD88)  | (Feet Below TOC)   | (Feet NAVD88) |  |  |  |  |  |  |  |
|                                                                         | (1001 200)      | Location | (100011/1000)       | (1000 1141200) | (1  cct Bclow 100) | 2/14/2011     |  |  |  |  |  |  |  |
|                                                                         | 13-28           | 0        | 795.61              | 796 76         | 18 33              | 778 43        |  |  |  |  |  |  |  |
|                                                                         | 14 7-29 7       | 0        | 796 72              | 798 38         | 19.33              | 779 15        |  |  |  |  |  |  |  |
| MW-6                                                                    | 123 6-133 6     | BR       | 819.82              | 819.69         | 18.43              | 801.26        |  |  |  |  |  |  |  |
| MW-11                                                                   | 60-160          | 0        | 778 32              | 780.22         | 3 38               | 776.84        |  |  |  |  |  |  |  |
| MW-12                                                                   | 23-33           | 0        | 778.42              | 780.22         | 4 21               | 776 74        |  |  |  |  |  |  |  |
| MW-13                                                                   | 67-72           | TOR      | 779.20              | 782.22         | 5.41               | 776.81        |  |  |  |  |  |  |  |
| MW-14                                                                   | 69 2-74 2       | TOR      | 796 39              | 798 45         | 19.62              | 778.83        |  |  |  |  |  |  |  |
| MW-15                                                                   | 69.5.99.5       | BR       | 777 11              | 779.45         | 12.02              | 766 50        |  |  |  |  |  |  |  |
| MW-16                                                                   | 49-59           | BR       | 768 14              | 770 37         | 9.79               | 760.50        |  |  |  |  |  |  |  |
| MW-19                                                                   | 154-169         | BR       | 779.69              | 781.81         | 6.04               | 775 77        |  |  |  |  |  |  |  |
| MW-21                                                                   | 65-165          | TOR      | 768.63              | 771 15         | 7 21               | 763.94        |  |  |  |  |  |  |  |
| MW-22<br>MW-22                                                          | 78-116          | BD       | 780.05              | 782.65         | 6.62               | 776.03        |  |  |  |  |  |  |  |
| MW-22<br>MW-23                                                          | 83.93           | TOR      | 808.97              | 811 47         | 13.76              | 797 71        |  |  |  |  |  |  |  |
| MW-25                                                                   | 40-50           | TOR      | 774.40              | 776 71         | 10.55              | 766.16        |  |  |  |  |  |  |  |
| MW-26                                                                   | 56 7-66 7       | 0        | 790.40              | 793.09         | 16 59              | 776.50        |  |  |  |  |  |  |  |
| MW-20                                                                   | 69-99           | BR       | 808.93              | 811 13         | 21 54              | 789 59        |  |  |  |  |  |  |  |
| MW-298 Zone 1                                                           | 56 7-69 8       | BR       | 784.90              | 787.03         | 16.45              | 770 58        |  |  |  |  |  |  |  |
| MW-29R Zone 2                                                           | 127 3-139 5     | BR       | 784.90              | 787.03         | 13.40              | 773.10        |  |  |  |  |  |  |  |
| MW-29R Zone 3                                                           | 154 5-169 6     | BR       | 784.90              | 787.03         | 15.18              | 771.85        |  |  |  |  |  |  |  |
| MW-29R Zone 4                                                           | 177 6-202 2     | BR       | 784.90              | 787.03         | 15.40              | 771.63        |  |  |  |  |  |  |  |
| MW-35                                                                   | 152-162         | BR       | 740 90              | 743 73         | -5.67              | 749.40        |  |  |  |  |  |  |  |
| MW-36 Zone 1                                                            | 99 1-116        | BR       | 783.00              | 785.63         | 13.08              | 772 55        |  |  |  |  |  |  |  |
| MW-36 Zone 2                                                            | 139 5-150 7     | BR       | 783.00              | 785.63         | 12.00              | 772.00        |  |  |  |  |  |  |  |
| MW-36 Zone 3                                                            | 180.2-192.7     | BR       | 783.00              | 785.63         | 15.34              | 770.29        |  |  |  |  |  |  |  |
| MW-36 Zone 4                                                            | 225.6-239.2     | BR       | 783.00              | 785.63         | 15.60              | 770.03        |  |  |  |  |  |  |  |
| MW-36 Zone 5                                                            | 269.9-275       | BR       | 783.00              | 785.63         | 19.23              | 766.40        |  |  |  |  |  |  |  |
| MW-37 Zone 1                                                            | 185-195         | BR       | 780.20              | 782.92         | 19.91              | 763.01        |  |  |  |  |  |  |  |
| MW-37 Zone 2                                                            | 222-232         | BR       | 780.20              | 782.84         | 16.49              | 766.35        |  |  |  |  |  |  |  |
| MW-37 Zone 3                                                            | 257-272         | BR       | 780.20              | 782.79         | 20.42              | 762.37        |  |  |  |  |  |  |  |
| MW-38 Zone 1                                                            | 415-430         | BR       | 768.10              | 771.23         | 0.11               | 771.12        |  |  |  |  |  |  |  |
| MW-38 Zone 2                                                            | 479.6-499.6     | BR       | 768.10              | 771.18         | -7.50              | 778.68        |  |  |  |  |  |  |  |
| MW-39 Zone 1                                                            | 95-105          | BR       | 804.10              | 806.20         | 18.28              | 787.92        |  |  |  |  |  |  |  |
| MW-39 Zone 2                                                            | 195-215         | BR       | 804.10              | 806.20         | 38.67              | 767.53        |  |  |  |  |  |  |  |
| MW-39 Zone 3                                                            | 280-300         | BR       | 804.10              | 806.20         | 38.18              | 768.02        |  |  |  |  |  |  |  |
| MW-41 Zone 1                                                            | 17-32           | BR       | 733.40              | 736.56         | 6.52               | 730.04        |  |  |  |  |  |  |  |
| MW-41 Zone 2                                                            | 109-129         | BR       | 733.40              | 736.79         | -8.75              | 745.54        |  |  |  |  |  |  |  |
| MW-41 Zone 3                                                            | 279-299         | BR       | 733.40              | 736.77         | 25.49              | 711.28        |  |  |  |  |  |  |  |
| MW-42 Zone 1                                                            | 114-129         | BR       | 785.50              | 785.44         | 38.61              | 746.83        |  |  |  |  |  |  |  |
| MW-42 Zone 2                                                            | 202-222         | BR       | 785.50              | 785.42         | 42.24              | 743.18        |  |  |  |  |  |  |  |
| MW-42 Zone 3                                                            | 265-285         | BR       | 785.50              | 785.40         | 36.28              | 749.12        |  |  |  |  |  |  |  |
| P2                                                                      | 53-115          | BR       | 783.93              | 785.65         | 9.11               | 776.54        |  |  |  |  |  |  |  |
|                                                                         | 56-61           | BR       | 789 56              | 791.69         | 14.17              | 777 52        |  |  |  |  |  |  |  |
| TW-40                                                                   | 84-94           | BR       | 785.81              | 788.63         | 17.42              | 771 21        |  |  |  |  |  |  |  |
| TW_41                                                                   | 50 3-55 3       | BR       | 775.50              | 778 84         | 15.83              | 763.01        |  |  |  |  |  |  |  |
| TW-42                                                                   | 21-26           | TOR      | 775.86              | 778.09         | 14.31              | 763 78        |  |  |  |  |  |  |  |
| TW-43                                                                   | 8.6-18.6        | 0        | 775.82              | 778.15         | 14.14              | 764.01        |  |  |  |  |  |  |  |
| TW-44                                                                   | 64-74           | BR       | 782.68              | 785.52         | 10.21              | 775.31        |  |  |  |  |  |  |  |

BR - Bedrock; O - Overburden; TOR - Top of Rock

BGS - Below Ground Surface; TOC - Top of Casing

NG - Not Gauged

MW-41 Zone 2, MW-38 Zone 2 TOC elevation has been adjusted by adding couplings and ball valve to surveyed

DTW readings at artesian wells were measured by attaching pressure gauge to top of ball valve, these values are indicated by the "-" before the measured value.

NAVD88 - North American Vertical Datum of 1988

| Table 3 - Quarterly Sampling Groundwater Elevation Data - May 2011 |                 |          |                     |               |                  |               |  |  |  |  |  |  |  |
|--------------------------------------------------------------------|-----------------|----------|---------------------|---------------|------------------|---------------|--|--|--|--|--|--|--|
|                                                                    |                 |          | May 9, 2011         |               |                  |               |  |  |  |  |  |  |  |
|                                                                    |                 | 0        | wens Corning - Ande | erson, SC     |                  |               |  |  |  |  |  |  |  |
|                                                                    |                 |          |                     | ,             | Chatia Dauth ta  | Chatia Matar  |  |  |  |  |  |  |  |
|                                                                    | C               | Screened |                     |               | Static Depth to  | Static water  |  |  |  |  |  |  |  |
| Monitoring Well                                                    | Screen Interval | Interval | Surface Elevation   | TOC Elevation | water            |               |  |  |  |  |  |  |  |
|                                                                    | (Feet BGS)      | Location | (Feet NAVD88)       | (Feet NAVD88) | (Feet Below TOC) | (Feet NAVD88) |  |  |  |  |  |  |  |
|                                                                    |                 |          |                     |               | 5/9/2011         | 5/9/2011      |  |  |  |  |  |  |  |
| MW-3                                                               | 13-28           | 0        | 795.61              | 796.76        | 17.81            | 778.95        |  |  |  |  |  |  |  |
| MW-4                                                               | 14.7-29.7       | 0        | 796.72              | 798.38        | 19.25            | 779.13        |  |  |  |  |  |  |  |
| MW-6                                                               | 123.6-133.6     | BR       | 819.82              | 819.69        | 17.49            | 802.20        |  |  |  |  |  |  |  |
| MW-11                                                              | 6.0-16.0        | 0        | 778.32              | 780.22        | 3.66             | 776.56        |  |  |  |  |  |  |  |
| MW-12                                                              | 23-33           | 0        | 778.42              | 780.95        | 4.26             | 776.69        |  |  |  |  |  |  |  |
| MW-13                                                              | 67-72           | TOR      | 779.20              | 782.22        | 5.54             | 776.68        |  |  |  |  |  |  |  |
| MW-14                                                              | 69.2-74.2       | TOR      | 796.39              | 798.45        | 18.45            | 780.00        |  |  |  |  |  |  |  |
| MW-15                                                              | 69.5-99.5       | BR       | 777.11              | 779.45        | 13.01            | 766.44        |  |  |  |  |  |  |  |
| MW-16                                                              | 49-59           | BR       | 768.14              | 770.37        | 8.40             | 761.97        |  |  |  |  |  |  |  |
| MW-19                                                              | 154-169         | BR       | 779.69              | 781.81        | 6.15             | 775.66        |  |  |  |  |  |  |  |
| MW-21                                                              | 6.5-16.5        | TOR      | 768.63              | 771.15        | 7.79             | 763.36        |  |  |  |  |  |  |  |
| MW-22                                                              | 78-116          | BR       | 780.45              | 782.65        | 6.77             | 775.88        |  |  |  |  |  |  |  |
| MW-23                                                              | 83-93           | TOR      | 808.97              | 811.47        | 13.12            | 798.35        |  |  |  |  |  |  |  |
| MW-25                                                              | 40-50           | TOR      | 774.40              | 776.71        | 11.37            | 765.34        |  |  |  |  |  |  |  |
| MW-26                                                              | 56.7-66.7       | 0        | 790.40              | 793.09        | 16.00            | 777.09        |  |  |  |  |  |  |  |
| MW-27                                                              | 69-99           | BR       | 808.93              | 811.13        | 21.30            | 789.83        |  |  |  |  |  |  |  |
| MW-29R Zone 1                                                      | 56.7-69.8       | BR       | 784.90              | 787.03        | 15.95            | 771.08        |  |  |  |  |  |  |  |
| MW-29R Zone 2                                                      | 127.3-139.5     | BR       | 784.90              | 787.03        | 12.83            | 774.20        |  |  |  |  |  |  |  |
| MW-29R Zone 3                                                      | 154.5-169.6     | BR       | 784.90              | 787.03        | 15.42            | 771.61        |  |  |  |  |  |  |  |
| WW-29R Zone 4                                                      | 177.6-202.2     | BR       | 784.90              | 787.03        | 15.90<br>E 75    | 771.13        |  |  |  |  |  |  |  |
| WW 26 Zono 1                                                       | 152-102         |          | 740.90              | 795.62        | -5.75            | 772.90        |  |  |  |  |  |  |  |
| MW/ 36 Zone 2                                                      | 120 5 150 7     | BD BD    | 783.00              | 785.63        | 11.60            | 774.02        |  |  |  |  |  |  |  |
| MW-36 Zone 3                                                       | 180 2-192 7     | BR       | 783.00              | 785.63        | 14 11            | 771 52        |  |  |  |  |  |  |  |
| MW-36 Zone 4                                                       | 225 6-239 2     | BR       | 783.00              | 785.63        | 13.93            | 771 70        |  |  |  |  |  |  |  |
| MW-36 Zone 5                                                       | 269 9-275       | BR       | 783.00              | 785.63        | 17.52            | 768.11        |  |  |  |  |  |  |  |
| MW-37 Zone 1                                                       | 185-195         | BR       | 780.20              | 782.92        | 19.58            | 763.34        |  |  |  |  |  |  |  |
| MW-37 Zone 2                                                       | 222-232         | BR       | 780.20              | 782.84        | 16.48            | 766.36        |  |  |  |  |  |  |  |
| MW-37 Zone 3                                                       | 257-272         | BR       | 780.20              | 782.79        | 22.49            | 760.30        |  |  |  |  |  |  |  |
| MW-38 Zone 1                                                       | 415-430         | BR       | 768.10              | 771.23        | 23.24            | 747.99        |  |  |  |  |  |  |  |
| MW-38 Zone 2                                                       | 479.6-499.6     | BR       | 768.10              | 771.18        | -8.75            | 779.93        |  |  |  |  |  |  |  |
| MW-39 Zone 1                                                       | 95-105          | BR       | 804.10              | 806.20        | 16.60            | 789.60        |  |  |  |  |  |  |  |
| MW-39 Zone 2                                                       | 195-215         | BR       | 804.10              | 806.20        | 29.23            | 776.97        |  |  |  |  |  |  |  |
| MW-39 Zone 3                                                       | 280-300         | BR       | 804.10              | 806.20        | 37.43            | 768.77        |  |  |  |  |  |  |  |
| MW-41 Zone 1                                                       | 17-32           | BR       | 733.40              | 736.56        | 6.66             | 729.90        |  |  |  |  |  |  |  |
| MW-41 Zone 2                                                       | 109-129         | BR       | 733.40              | 736.79        | -7.92            | 744.71        |  |  |  |  |  |  |  |
| MW-41 Zone 3                                                       | 279-299         | BR       | 733.40              | 736.77        | 0.04             | 736.73        |  |  |  |  |  |  |  |
| MW-42 Zone 1                                                       | 114-129         | BR       | 785.50              | 785.44        | 37.70            | 747.74        |  |  |  |  |  |  |  |
| MW-42 Zone 2                                                       | 202-222         | BR       | 785.50              | 785.42        | 51.30            | 734.12        |  |  |  |  |  |  |  |
| MW-42 Zone 3                                                       | 265-285         | BR       | 785.50              | 785.40        | 41.82            | 743.58        |  |  |  |  |  |  |  |
| P2                                                                 | 53-115          | BR       | 783.93              | 785.65        | 9.23             | 776.42        |  |  |  |  |  |  |  |
| Alloy                                                              | 56-61           | BR       | 789.56              | 791.69        | 14.33            | 777.36        |  |  |  |  |  |  |  |
| TW-40                                                              | 84-94           | BR       | 785.81              | 788.63        | 16.62            | 772.01        |  |  |  |  |  |  |  |
| TW-41                                                              | 50.3-55.3       | BR       | 775.50              | 778.84        | 14.70            | 764.14        |  |  |  |  |  |  |  |
| TW-42                                                              | 21-26           | TOR      | 775.86              | 778.09        | 15.10            | 762.99        |  |  |  |  |  |  |  |
| TW-43                                                              | 8.6-18.6        | 0        | 775.82              | 778.15        | 14.97            | 763.18        |  |  |  |  |  |  |  |
| TW-44                                                              | 64-74           | BR       | 782.68              | 785.52        | 10.12            | 775.40        |  |  |  |  |  |  |  |

BR - Bedrock; O - Overburden; TOR - Top of Rock

BGS - Below Ground Surface; TOC - Top of Casing

NG - Not Gauged

MW-41 Zone 2, MW-38 Zone 2 TOC elevation has been adjusted by adding couplings and ball valve to surveyed

DTW readings at artesian wells were measured by attaching pressure gauge to top of ball valve, these values are indicated by the "-" before the measured value.

NAVD88 - North American Vertical Datum of 1988

|                              |        |           |         |             |             |         |          |             | Table 4 - ( | Quarterly Sam | pling Groundw | ater Analytica     | Results - Febi | uary 2011 |         |         |         |         |         |          |         |             |         |         |
|------------------------------|--------|-----------|---------|-------------|-------------|---------|----------|-------------|-------------|---------------|---------------|--------------------|----------------|-----------|---------|---------|---------|---------|---------|----------|---------|-------------|---------|---------|
|                              |        |           | 1       | MW 20D      | MW 20D      |         | MW 26    | MW 26       | MW 2C       | MMA 27        | MIA 27        | 5 - Alluci 3011, 3 | MA( 20         | MM 20     | MN/ 20  | MN( 20  | MM 20   |         |         | MIN/ 4.4 | MIN/ 40 |             | MIN 40  | MIN 40  |
| Sample ID                    |        | MW-15     | MW-22   | Zone 3      | Zone 4      | MW-35   | Zone 1   | Zone 3      | Zone 5      | Zone 1        | Zone 2        | Zone 3             | Zone 1         | Zone 2    | Zone 1  | Zone 2  | Zone 3  | Zone 1  | Zone 2  | Zone 3   | Zone 1  | Dup-021711† | Zone 2  | Zone 3  |
| Sample Date                  | MCL    | 2/15/11   | 2/15/11 | 2/15/11     | 2/15/11     | 2/15/11 | 2/14/11  | 2/14/11     | 2/14/11     | 2/15/11       | 2/16/11       | 2/16/11            | 2/16/11        | 2/14/11   | 2/16/11 | 2/16/11 | 2/16/11 | 2/17/11 | 2/14/11 | 2/17/11  | 2/17/11 | 2/17/11     | 2/17/11 | 2/17/11 |
| Screened Interval (ft)       | (ug/L) | 69.5-99.5 | 78-116  | 154.5-169.6 | 177.6-202.2 | 152-162 | 99.1-116 | 180.2-192.7 | 269.9-275   | 185-195       | 222-232       | 257-272            | 415-430        | 480-500   | 95-105  | 195-215 | 280-300 | 17-32   | 109-129 | 280-300  | 114-129 | 114-129     | 202-222 | 265-285 |
| Volatile Organic Compounds   |        |           |         |             |             |         |          |             |             |               |               |                    |                |           |         |         |         |         |         |          |         |             |         |         |
| 1,1,1-Trichloroethane        | 200    | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| 1,1-Dichloroethane           | -      | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| 1,1-Dichloroethene           | 7      | 260       | 570     | 340         | 320         | 290     | <5.0     | <5.0        | <5.0        | 40            | 97            | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | 380     | 350     | 150      | <5.0    | <5.0        | <5.0    | <5.0    |
| 1,2-Dichloroethane           | 5      | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| Benzene                      | 5      | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| Carbon tetrachloride         | 5      | <5.0      | 19      | 16          | 16          | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| Chloroform <sup>1</sup>      | 80     | <5.0      | 12      | 12          | 12          | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | 6.1           | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| cis-1,2-Dichloroethene       | 70     | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| Ethylbenzene                 | 700    | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| Methylene chloride           | 5      | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| Tetrachloroethene            | 5      | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| Toluene                      | 1,000  | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| trans-1,2-Dichloroethene     | 100    | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| Trichloroethene              | 5      | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| Vinyl chloride               | 2      | <2.0      | <2.0    | <2.0        | <2.0        | <2.0    | <2.0     | <2.0        | <2.0        | <2.0          | <2.0          | <2.0               | <2.0           | <2.0      | <2.0    | <2.0    | <2.0    | <2.0    | <2.0    | <2.0     | <2.0    | <2.0        | <2.0    | <2.0    |
| Xylenes, total               | 10,000 | <5.0      | <5.0    | <5.0        | <5.0        | <5.0    | <5.0     | <5.0        | <5.0        | <5.0          | <5.0          | <5.0               | <5.0           | <5.0      | <5.0    | <5.0    | <5.0    | <5.0    | <5.0    | <5.0     | <5.0    | <5.0        | <5.0    | <5.0    |
| Field Parameters             |        |           |         |             |             |         |          |             |             |               |               |                    |                |           |         |         |         |         |         |          |         |             |         |         |
| pH (S.U.)                    | -      | 6.64      | 4.59    | 5.62        | 5.76        | 7.41    | 5.37     | 6.99        | 6.85        | 7.59          | 9.07          | 6.19               | 7.51           | 7.40      | 6.85    | 7.77    | 7.10    | 6.87    | 7.18    | 7.15     | 9.05    | NA          | 7.53    | 7.74    |
| Temperature (degree C)       | -      | 17.50     | 18.50   | 16.68       | 16.74       | 14.31   | 17.33    | 20.50       | 19.15       | 15.17         | 15.67         | 14.23              | 12.74          | 15.72     | 13.53   | 18.75   | 16.92   | 15.59   | 16.27   | 13.53    | 15.88   | NA          | 17.57   | 18.76   |
| Specific Conductance (mS/cm) | -      | 0.209     | 0.124   | 0.129       | 0.139       | 0.340   | 0.114    | 1.514       | 3.260       | 0.957         | 0.202         | 0.225              | 0.348          | 0.190     | 0.108   | 0.622   | 0.140   | 0.302   | 0.292   | 0.305    | 0.198   | NA          | 0.702   | 0.192   |
| Eh (mV)                      | -      | -91.9     | -68.1   | -59.1       | -63.4       | -105.1  | -15.0    | -101.0      | -99.3       | -207.9        | -92.7         | -85.9              | -93.1          | -103.8    | -45.4   | -71.0   | -76.3   | -76.5   | -63.1   | -107.8   | -74.3   | NA          | -94.0   | -84.8   |
| Dissolved Oxygen (mg/L)      | -      | 0.55      | 3.46    | 2.09        | 1.63        | 0.60    | 3.55     | 4.39        | 3.48        | 0.18          | 0.80          | 2.93               | 0.41           | 0.75      | 4.09    | 1.39    | 0.86    | 0.90    | 1.21    | 1.32     | 2.22    | NA          | 0.61    | 3.56    |
| Turbidity (NTU)              | -      | 0.11      | 0.07    | 0.10        | 1.13        | 0.88    | 0.46     | 0.50        | 3.51        | 2.51          | 16.4          | 5.98               | 5.71           | 0.05      | 5.61    | 140     | 9.03    | 5.33    | 0.03    | 2.22     | 23.6    | NA          | 8.81    | 9.36    |

†Duplicate sample Dup-021711 was collected from MW-42 Zone 1.

<sup>1</sup> MCL listed for Chloroform is for Total Trihalomethanes. MCL - Maximum Contaminant Level

Bold VOC results indicates concentration above the MCL.

NA - Not Applicable

|                              | Table 5 - Quarterly Sampling Groundwater Analytical Results - May 2011         Owens Corning - Anderson, SC |           |        |                  |                  |         |                 |                 |                 |                 |                 |                 |                 |             |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|------------------------------|-------------------------------------------------------------------------------------------------------------|-----------|--------|------------------|------------------|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Sample ID                    |                                                                                                             | MW-15     | MW-22  | MW-29R<br>Zone 3 | MW-29R<br>Zone 4 | MW-35   | MW-36<br>Zone 1 | MW-36<br>Zone 3 | MW-36<br>Zone 5 | MW-37<br>Zone 1 | MW-37<br>Zone 2 | MW-37<br>Zone 3 | MW-38<br>Zone 1 | Dup-051111† | MW-38<br>Zone 2 | MW-39<br>Zone 1 | MW-39<br>Zone 2 | MW-39<br>Zone 3 | MW-41<br>Zone 1 | MW-41<br>Zone 2 | MW-41<br>Zone 3 | MW-42<br>Zone 1 | MW-42<br>Zone 2 | MW-42<br>Zone 3 |
| Sample Date                  | MCL                                                                                                         | 5/9/11    | 5/9/11 | 5/10/11          | 5/10/11          | 5/9/11  | 5/10/11         | 5/10/11         | 5/10/11         | 5/9/11          | 5/9/11          | 5/9/11          | 5/11/11         | 5/11/11     | 5/9/11          | 5/10/11         | 5/10/11         | 5/11/11         | 5/11/11         | 5/9/11          | 5/11/11         | 5/11/11         | 5/12/01         | 5/12/11         |
| Screened Interval (ft)       | (ug/L)                                                                                                      | 69.5-99.5 | 78-116 | 154.5-169.6      | 177.6-202.2      | 152-162 | 99.1-116        | 180.2-192.7     | 269.9-275       | 185-195         | 222-232         | 257-272         | 415-430         | 415-430     | 480-500         | 95-105          | 195-215         | 280-300         | 17-32           | 109-129         | 280-300         | 114-129         | 202-222         | 265-285         |
| Volatile Organic Compounds   |                                                                                                             |           |        |                  |                  |         |                 |                 |                 |                 |                 |                 |                 |             |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 1,1,1-Trichloroethane        | 200                                                                                                         | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| 1,1-Dichloroethane           | -                                                                                                           | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| 1,1-Dichloroethene           | 7                                                                                                           | 250       | 310    | 560              | 590              | 530     | <5.0            | <5.0            | <5.0            | 9.7             | 190             | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | 450             | 250             | 98              | <5.0            | <5.0            | <5.0            |
| 1,2-Dichloroethane           | 5                                                                                                           | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| Benzene                      | 5                                                                                                           | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| Carbon tetrachloride         | 5                                                                                                           | <5.0      | 23     | 23               | 23               | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| Chloroform <sup>1</sup>      | 80                                                                                                          | <5.0      | 14     | 16               | 17               | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | 9.0             | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| cis-1,2-Dichloroethene       | 70                                                                                                          | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| Ethylbenzene                 | 700                                                                                                         | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| Methylene chloride           | 5                                                                                                           | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| Tetrachloroethene            | 5                                                                                                           | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| Toluene                      | 1,000                                                                                                       | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| trans-1,2-Dichloroethene     | 100                                                                                                         | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| Trichloroethene              | 5                                                                                                           | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
| Vinyl chloride               | 2                                                                                                           | <2.0      | <2.0   | <2.0             | <2.0             | <2.0    | <2.0            | <2.0            | <2.0            | <2.0            | <2.0            | <2.0            | <2.0            | <2.0        | <2.0            | <2.0            | <2.0            | <2.0            | <2.0            | <2.0            | <2.0            | <2.0            | <2.0            | <2.0            |
| Xylenes, total               | 10,000                                                                                                      | <5.0      | <5.0   | <5.0             | <5.0             | <5.0    | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0        | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            | <5.0            |
|                              |                                                                                                             |           |        |                  |                  |         |                 |                 |                 |                 | Field Pa        | rameters        |                 |             |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| pH (S.U.)                    | -                                                                                                           | 6.68      | 4.82   | 5.53             | 5.58             | 7.54    | 5.97            | 6.93            | 6.60            | 7.30            | 10.62           | 7.35            | 7.30            | NA          | 8.09            | 7.17            | 7.34            | 7.20            | 7.52            | 7.94            | 7.41            | 9.66            | 7.61            | 7.60            |
| Temperature (degree C)       | -                                                                                                           | 17.90     | 18.65  | 17.41            | 17.70            | 16.32   | 17.77           | 24.97           | 38.35           | 22.80           | 24.20           | 19.71           | 30.56           | NA          | 17.38           | 21.32           | 25.62           | 17.75           | 19.01           | 16.56           | 24.43           | 23.86           | 19.83           | 20.17           |
| Specific Conductance (mS/cm) | -                                                                                                           | 0.200     | 0.115  | 0.132            | 0.134            | 0.321   | 0.114           | 1.537           | 3.595           | 0.478           | 0.260           | 0.426           | 0.348           | NA          | 0.179           | 0.114           | 0.641           | 0.142           | 0.290           | 0.276           | 0.297           | 0.199           | 0.710           | 0.230           |
| Eh (mV)                      | -                                                                                                           | 113.9     | 133.1  | 179.2            | 168.5            | -71.8   | 163.3           | 142.9           | 42.7            | -235.0          | -186.62         | -217.4          | -35.8           | NA          | -131.4          | 31.6            | -90.6           | -189.1          | 129.5           | 5.6             | -160.1          | -142.0          | -242.8          | -146.1          |
| Dissolved Oxygen (mg/L)      | -                                                                                                           | 0.46      | 4.01   | 2.15             | 1.18             | 0.01    | 3.63            | 7.25            | 3.19            | 0.26            | 0.75            | 0.40            | 2.51            | NA          | 0.00            | 2.89            | 0.61            | 0.44            | 0.35            | 0.06            | 0.48            | 2.47            | 0.42            | 1.36            |
| Turbidity (NTU)              | -                                                                                                           | 1.10      | 0.06   | 1.25             | 1.75             | 1.82    | 0.75            | 0.41            | 0.50            | 59.34           | 2.86            | 2.45            | 2.36            | NA          | 0.37            | 14.80           | 31.1            | 2.70            | 1.30            | 0.06            | 14.58           | 16.6            | 6.13            | 21.50           |

†Duplicate sample Dup-051111 was collected from MW-38 Zone 1.

<sup>1</sup> MCL listed for Chloroform is for Total Trihalomethanes. MCL - Maximum Contaminant Level

**Bold** VOC results indicates concentration above the MCL. NA - Not Applicable
|                              |        |                |                       |                       |                       | Table 6 -              | <b>Residential Well</b> | Analytical Resul  | ts - May 2011 |             |                      |                      |             |             |             |             |
|------------------------------|--------|----------------|-----------------------|-----------------------|-----------------------|------------------------|-------------------------|-------------------|---------------|-------------|----------------------|----------------------|-------------|-------------|-------------|-------------|
|                              |        |                |                       |                       |                       |                        | Owens Corni             | ng - Anderson, So | 0             |             |                      |                      |             |             |             |             |
| Sample ID                    | MCL    | 628 Airline Rd | 408<br>Clinkscales Rd | 605<br>Clinkscales Rd | 721<br>Clinkscales Rd | 1303<br>Clinkscales Rd | 119 Cloverhill<br>Dr    | 115 Elrod Rd      | 335 Elrod Rd  | 117 Faye Dr | 134 Friendship<br>Ln | 200 Friendship<br>Ln | 200 Kaye Dr | 303 Kaye Dr | Dup-051011* | 412 Kaye Dr |
| Sample Date                  | (ug/L) | 5/10/11        | 5/11/11               | 5/11/11               | 5/11/11               | 5/10/11                | 5/10/11                 | 5/10/11           | NA            | 5/10/11     | NA                   | 5/11/11              | 5/10/11     | 5/10/11     | 5/10/11     | 5/10/11     |
|                              |        |                |                       |                       |                       |                        | Volatile Org            | anic Compounds    |               |             |                      |                      |             |             |             |             |
| 1,1,1-Trichloroethane        | 200    | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| 1,1-Dichloroethane           | -      | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| 1,1-Dichloroethene           | 7      | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| 1,2-Dichloroethane           | 5      | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| Benzene                      | 5      | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| Carbon tetrachloride         | 5      | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| Chloroform <sup>1</sup>      | 80     | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| cis-1,2-Dichloroethene       | 70     | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| Ethylbenzene                 | 700    | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| Methylene chloride           | 5      | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| Tetrachloroethene            | 5      | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| Toluene                      | 1,000  | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| trans-1,2-Dichloroethene     | 100    | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| Trichloroethene              | 5      | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
| Vinyl chloride               | 2      | <2.0           | <2.0                  | <2.0                  | <2.0                  | <2.0                   | <2.0                    | <2.0              | Dry           | <2.0        | NS                   | <2.0                 | <2.0        | <2.0        | <2.0        | <2.0        |
| Xylenes, total               | 10,000 | <5.0           | <5.0                  | <5.0                  | <5.0                  | <5.0                   | <5.0                    | <5.0              | Dry           | <5.0        | NS                   | <5.0                 | <5.0        | <5.0        | <5.0        | <5.0        |
|                              |        |                |                       |                       |                       |                        | Field                   | Parameters        |               |             |                      |                      |             |             |             |             |
| pH (S.U.)                    | -      | 5.63           | 6.09                  | 6.64                  | 6.77                  | 5.82                   | 5.38                    | 5.32              | Dry           | 6.48        | NS                   | 6.46                 | 6.65        | 6.17        | NA          | 5.51        |
| Temperature (degree C)       | -      | 19.41          | 18.15                 | 20.03                 | 19.93                 | 19.44                  | 17.61                   | 18.55             | Dry           | 22.82       | NS                   | 18.32                | 19.96       | 19.56       | NA          | 21.86       |
| Specific Conductance (mS/cm) | -      | 0.054          | 0.046                 | 0.125                 | 0.058                 | 0.043                  | 0.038                   | 0.031             | Dry           | 0.210       | NS                   | 0.134                | 0.117       | 0.203       | NA          | 0.043       |
| Eh (mV)                      | -      | 156.2          | 111.9                 | -47.3                 | 160.4                 | 201.6                  | 193.5                   | 236.4             | Dry           | 154.8       | NS                   | 74.2                 | 157.3       | 163.5       | NA          | 204.5       |
| Dissolved Oxygen (mg/L)      | -      | 7.90           | 9.45                  | 7.41                  | 10.84                 | 7.51                   | 10.08                   | 9.62              | Dry           | 7.56        | NS                   | 8.99                 | 7.52        | 8.43        | NA          | 8.55        |
| Turbidity (NTU)              | -      | 1.14           | 5.21                  | 21.30                 | 2.56                  | 0.40                   | 0.31                    | 0.28              | Dry           | 4.46        | NS                   | 5.09                 | 0.27        | 0.08        | NA          | 2.32        |

\* Duplicate sample Dup-051011 was collected from 303 Kaye Dr.

<sup>1</sup> MCL listed for Chloroform is for Total Trihalomethanes. MCL - Maximum Contaminant Level

NS - Not sampled; Pump is disconnected

Dry - Not enough water in well to sample

**Bold** VOC results indicates concentration above the MCL.

NA - Not Applicable

|         | Table 7 - Resident      | tial We | II Location Ma | ip ID                 |
|---------|-------------------------|---------|----------------|-----------------------|
|         | Owens Corn              | ing - A | nderson, SC    |                       |
| Map ID* | Location                |         | Map ID*        | Location              |
| 1       | 3715 Mabry Street       |         | 38             | 215 Elrod Road        |
| 2       | 634 Airline Road        |         | 39             | 115 Elrod Road        |
| 3       | 3735 Keys Street        |         | 40             | 119 Cloverhill Drive  |
| 4       | 1100 Airline Road       |         | 41             | 122 Kayle Drive       |
| 5       | 3721 Keys Street        |         | 42             | 138 Kayle Drive       |
| 6       | 4004 Keys Street        |         | 43             | 1802 Airline Road     |
| 7       | 605 Clinkscales Road    |         | 44             | 1303 Clinkscales Road |
| 8       | 134 Friendship Lane     |         | 45             | 815 Airline Road      |
| 9       | 138 Friendship Lane     |         | 46             | 300 Jones Road        |
| 10      | 200 Friendship Lane     |         | 47             | 5104 Johnson Street   |
| 11      | 721 Clinkscales Road    |         | 48             | 104 Herbs Lane        |
| 12      | 711 Clinkscales Road    |         | 49             | 203 Travis Road       |
| 13      | 628 Airline Road        |         | 50             | 107 Jones Road        |
| 14      | 3731 Keys Street        |         | 51             | 303 Flat Rock Road    |
| 15      | 3713 Keys Street        |         | 52             | 4518 Keys Street      |
| 16      | 624 True Temper Road    |         | 53             | 4608 Keys Street      |
| 17      | 1501 Airline Road       |         | 54             | 4610 Keys Street      |
| 18      | 420 True Temper Road    |         | 55             | 5005 Johnson Street   |
| 19      | 408 Clinkscales Road    |         | 56             | 5009 Johnson Street   |
| 20      | 401 Clinkscales Road    |         | 57             | 5010 Johnson Street   |
| 21      | 4515 Keys Street        |         | 58             | 5014 Johnson Street   |
| 22      | 305 Harry Drive         |         | 59             | 5101 Johnson Street   |
| 23      | 150 Clinkscales Road    |         | 60             | 4906 Highway 81 South |
| 24      | 943 Flat Rock Road      |         | 61             | 5305 Highway 81 South |
| 25      | 325 Clinkscales Road    |         | 62             | 116 Young Road        |
| 26      | 322 Clinkscales Road    |         | 63             | 201 True Temper Road  |
| 27      | 321 Clinkscales Road    |         | 64             | 106 Pickens Circle    |
| 28      | 137 Knowlandwood Circle |         | 65             | 110 Pickens Circle    |
| 29      | 412 Kaye Drive          |         | 66             | 123 Pickens Circle    |
| 30      | 413 Kaye Drive          |         | 67             | 127 Pickens Circle    |
| 31      | 311 Kaye Drive          |         | 68             | 131 Pickens Circle    |
| 32      | 117 Faye Drive          |         | 69             | 136 Pickens Circle    |
| 33      | 303 Kaye Drive          |         | 70             | 206 Wesley Court      |
| 34      | End of Kaye Drive       |         | 71             | 104 Harry Drive       |
| 35      | 217 Kaye Drive          |         | 72             | 299 True Temper Road  |
| 36      | 200 Kaye Drive          |         | 73             | 119 True Temper Road  |
| 37      | 335 Elrod Road          | '       |                | · · ·                 |

\* Map ID corresponds to Figure 10 - Residential Well Sampling Location Map - May 2011

## Appendix A: Groundwater Sampling Field Data Sheets





2'

# **GROUNDWATER SAMPLING FIELD DATA SHEET**

WELL ID: MW-15

| 1. PR         | DJECT IN              | FORM            | ATION                     |                                    |                                  |                            |                |                |                                |
|---------------|-----------------------|-----------------|---------------------------|------------------------------------|----------------------------------|----------------------------|----------------|----------------|--------------------------------|
| Projec        | t Number: <u>1</u>    | 38670           | Task N                    | umber: <u>200-</u>                 | 001                              | Area of Co                 | ncem:          |                |                                |
| Client        | Owens Co              | orning          | <u></u>                   |                                    |                                  | Personnel:                 | JBM            |                |                                |
| Projec        | t Location: <u>Al</u> | nderson,        | South C                   | arolina                            |                                  | Weather:                   | Perty Cl       | bely .         | -sof                           |
| 2. WE         | LL DATA               |                 | Date N                    | leasured:                          | 14. Feball                       |                            | 1200           | T              |                                |
| Casing        | g Diameter:           | i               | nches                     | Туре: 🗹 Р                          | VC 🛛 Stainle                     | ess D Galv. Ste            | eel 🖸 Teflork  | D D Other:     | mporary well: Lives Lino       |
| Screer        | n Diameter:           | _ <u>2</u> i    | nches                     | Type: Def P                        | VC G Stainle                     | ss 🛛 Galv. Ste             | el 🗆 Teflond   | ● □ Other:_    |                                |
| Total C       | Depth of Well:_       | 99.5            | _feet                     | From: @1                           | op of Well Cas                   | ing (TOC) 🛛                | Top of Protec  | tive Casing    | Other:                         |
| Depth         | to Static Wate        | r <u>.  295</u> | _feet                     | From: 🗹 1                          | op of Well Cas                   | ing (TOC) 🛛                | Top al Protec  | tive Casing    |                                |
| Depth         | to Product:           |                 | feet                      | רם: From                           | op of Well Cas                   | ing (TOC) 🛛                | Top of Protec  | tive Casing    | Other:                         |
| Length        | of Water Colu         | mn: <u>86,5</u> | Sfeet                     | Well Volum                         | e: <b>14.45</b>                  | gal                        | Screened       | Interval (fro  | m GS):                         |
| 2 0110        | CEDATA                | (Contraction)   |                           | Note: 1-in we                      | ll = 0.041 gal/ft                | 2-in well = 0.1            | 67 gal/ft 4-in | well = 0.667 g | al/ft 6-in well = 1.469 gal/ft |
| 3. FUN        |                       | ailer. Size     | Date P                    | urged: <u>75</u>                   | Feb. 2011                        | _ Time: _/1                | .20            |                | Equipment Model(s)             |
| Purge r       | viethod: Ce           | ntrifugal Pun   | np 🛛 Perist               | altic Pump D Ir                    | nertial Lift Pump                | D Cl Other:                | b. Pump        | 1              | ISE SSG AD                     |
| Materia       | ls: Pump/Baile        | ar C Polyet     | hylene 🖬 Si<br>ated 🛛 🖸 F | ainless D PVC<br>Prepared Off-Site | Ci Teflon®<br>Si Field-Cle       | Other                      |                | 2              | DRT ISCH                       |
| Materia       | ls: Rope/Tubin        |                 | hylene 🖸 Po               | lypropylene                        | Teflon® D N                      | vion Di Other:             | JSable         | 31             | Hum Skilly Dim 300             |
| Volume        | to Purce (min         | · U Dedica      | ated OPre                 | pared Off-Site                     | G Field-Clean                    | ed E Disposa               | ble            | 4. /           | lassan                         |
| Was we        | ll Durged dry?        | (1) Yes         |                           | Pumping Ba                         | to:                              | gallons                    |                |                |                                |
|               | Cum. Gallons          | pH              | Temp                      | Spec. Cond.                        | OBP                              |                            | Turbidity      | 1              |                                |
| Time          | Removed<br>(gal)      | ±0.1 su         | ±2°C                      | > of ±3% or                        | > of ±10% or                     | > of ±10% or               | < 10 NTH       | Water Leve     | Comments                       |
| 1311          | C                     |                 |                           | ±10 µS/cm                          | ±20 mV                           | ±0.2 mg/L                  | SIUNIO         |                |                                |
| 320           | 10                    | 110             | 17.75                     | A 4400                             | 70.5                             | 1++                        | 14.            |                |                                |
| 1330          | <u>u</u> <            | 1017            | 1170                      | 0.218                              | -77.J                            | 1.55                       | 6.59           | 17.75          |                                |
| 1140          | 7.5                   | 6.77            | 17.01                     | 0.22(                              | -+8.+                            | 1.41                       | 5.07           | 19.61          |                                |
| 1250          |                       | 0.11            | 17.94                     | 0.215                              | -80.5                            | 1.00                       |                | 20.39          |                                |
| 330           | 10.0                  | 6.72            | [7.46                     | 0.213                              | -86.5                            | 0.83                       | 0.45           | 21.78          |                                |
| CANAD         |                       | TA              |                           |                                    |                                  |                            |                | Purge dat      | a continued on next sheet?     |
| . SAIVIP      |                       |                 | -                         | <b>-</b>                           | A.C                              |                            |                | Geoc           | nemical Analyses               |
| Method(s      | ): Centri             | fugal Pump      | O Peristalti              | Bladder Pump<br>Pump 🖸 Inerti      | 0472 Sub. Pum<br>ial Lift Pump C | np 🖾 4" Sub. F<br>I Other: | , dunb         | Ferrou         | us Iron: / ma/L                |
| Materials:    | Pump/Bailer           | C Polyethyle    | ene 🗹 Stain               |                                    | Teflon® C                        | Other                      |                | DO             |                                |
| Materials:    | Tubing/Rope           | Polyethyle      | ene 🖸 Polyp               | ropylene 🛛 Te                      | filon® 🗆 Nvior                   | n Ol Other:                | ble            |                |                                |
| Depth to V    | Notos et Time         | Dedicated       | I O Prepar                | ed Off-Site                        | Field-Cleaned                    | C Disposable               |                | INITIATE       | ·mg/L                          |
| Sample IC     |                       | or Samplin      | 9:<br>                    | F                                  | ield Filtered?                   | 🛛 Yes 🗹                    | No             | Sulfate        | ):mg/L                         |
| Duplicate     | Sample Colles         |                 | 18: <b>[0, ]~~.</b>       | _ Sample Tin                       | ne: <u>/7/3</u>                  | # of Containe              | ers: 2         | Alkalin        | ity: mg/L                      |
| Equipment     | t Blank Collect       | ed? 11 V=       |                           | ID: <b>2.2-03</b>                  | K //                             | # of Containe              | rs:            | —]             |                                |
| 000           |                       |                 |                           | 10. <u></u>                        | əli                              | # of Containe              | rs:%           |                |                                |
| COMM          | ients 👱               | 8-02            | 1511 +                    | eka C                              | 15.F.J.11                        | 1230                       |                |                |                                |
|               |                       |                 |                           | <u> </u>                           |                                  |                            |                |                |                                |
| e: Include co | mments such as        | wall condifie   | n adar are:               |                                    |                                  |                            |                |                |                                |
|               | and such as           | tien cunai(10   | n, oaor, prese            | ence of NAPL, o                    | r other items no                 | t on the field dat         | ta sheet.      |                |                                |
|               |                       |                 |                           |                                    |                                  | $ \sim $                   | 6 K            | 1              | $\longrightarrow$              |
| 5W GW-2       | (Rev 25.Sept.08 -     | · sej)          |                           | Page                               | 1 of 2                           | Sig                        | nature         |                |                                |



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## **GROUNDWATER SAMPLING FIELD DATA SHEET**

WELL ID: MW-15

| Time     | Cum. Gallons | рН      | Temp  | Spec. Cond.              | ORP                   | DO                          | Turbidity |             |            |
|----------|--------------|---------|-------|--------------------------|-----------------------|-----------------------------|-----------|-------------|------------|
| I IIIG   | (gal)        | ±0.1 su | ±2°C  | > of ±3% or<br>±10 µS/cm | > of ±10% o<br>±20 mV | r > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level | Comments   |
| 1400     | 13.0         | 6.69    | 17.49 | 0.210                    | 0,10                  | 0.67                        | 0.17      | 22.72       | ORT= -90.0 |
| 405      | 14.5         | 6.66    | 17.48 | 0.210                    | -90.9                 | 0.63                        | 0.18      | 22.91       |            |
| 1410     | 16.0         | 664     | 17.50 | 0.209                    | -91.9                 | 0.55                        | 0.11      | 22.97       |            |
| 415      | Sarghel      |         |       |                          | -                     | 2                           |           |             | 2          |
|          | V            |         |       |                          |                       |                             |           |             |            |
|          |              |         |       |                          |                       |                             |           |             |            |
|          |              | - 0     |       | -                        |                       |                             |           |             |            |
|          |              |         |       |                          |                       |                             |           |             |            |
|          |              |         |       |                          |                       |                             |           |             |            |
|          |              | Ť       |       |                          | -                     |                             | -         | · .         |            |
| 2        |              |         |       |                          |                       |                             |           |             |            |
|          | _            | -       | U.    |                          |                       |                             |           |             | ······     |
|          |              |         |       | 5. 72                    |                       |                             |           |             |            |
|          | ю.<br>       | -       |       | -                        |                       |                             | 2.        |             |            |
|          |              |         |       |                          |                       |                             |           |             |            |
|          | •••          |         |       |                          |                       |                             |           | <u> </u>    |            |
|          |              |         |       |                          |                       |                             |           |             |            |
|          | a - 11       |         |       |                          |                       |                             |           |             |            |
|          |              |         |       |                          |                       |                             |           |             |            |
|          |              |         |       |                          |                       |                             |           |             |            |
| с.<br>   |              | -       |       |                          |                       |                             |           |             |            |
|          |              |         |       |                          |                       |                             |           |             |            |
|          |              |         |       |                          |                       |                             |           |             |            |
|          |              |         |       |                          |                       |                             |           |             |            |
|          |              |         |       |                          |                       |                             |           |             |            |
|          |              |         |       |                          |                       | 2 0 0                       |           |             |            |
|          |              |         |       | 1                        |                       |                             |           |             |            |
|          |              |         |       |                          |                       | 1                           |           |             |            |
| <u> </u> |              |         |       |                          |                       |                             |           |             |            |

Purge data continued on next sheet?

FORM GW-2 (Rev 25.Sept.08 - sej)

Base 2 . 7 Signature



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## **GROUNDWATER SAMPLING FIELD DATA SHEET**

WELL ID: MW-22

|              | JECTIN                | -ORM/                                        | ATION                          |                                  |                                   |                             |                |                                       |                                    |
|--------------|-----------------------|----------------------------------------------|--------------------------------|----------------------------------|-----------------------------------|-----------------------------|----------------|---------------------------------------|------------------------------------|
| Projec       | t Number: <u>13</u>   | 8670                                         | Task Nu                        | mber: <u>200-</u>                | 001                               | _ Area of Co                | ncem:          |                                       |                                    |
| Client:      | <u>Owens Co</u>       | rning                                        |                                |                                  |                                   | Personnel:                  | DM             | · · · · · · · · · · · · · · · · · · · |                                    |
| Projec       | t Location: <u>Ar</u> | derson.                                      | South Ca                       | arolina                          |                                   | Weather:                    | ~ 50°F         | Scattered                             | Clouds                             |
| 2. WEI       | LL DATA               |                                              | Date N                         | leasured:                        | 2/14/1                            | Time: //                    | 01             | Te                                    |                                    |
| Casinç       | Diameter:             | <u>    8                                </u> | nches                          | Туре: 👽 Р                        | VC Stainle                        | ss 🖸 Galv. Ste              | el 🛛 Tellon(   | Ol Other:                             | mporary well: Uyes yono            |
| Screer       | n Diameter:           | <u>8</u> ir                                  | nches                          | Туре: 💋 Р                        | VC 🖸 Stainle                      | ss 🛛 Galv. Ste              | el 🛛 Teflon@   | Other:                                |                                    |
| Total C      | Depth of Well:        | 116                                          | _feet                          | From: 🙀 1                        | op of Well Cas                    | ing (TOC)                   | Top of Protec  | tive Casing (                         |                                    |
| Depth        | to Static Water       | 6.62                                         | _feet                          | From: 💕 1                        | op of Well Cas                    | ing (TOC)                   | Top of Protec  | tive Casing (                         | ] Other                            |
| Depth        | to Product:           |                                              | _feet                          | From:                            | op of Well Cas                    | ing (TOC)                   | Top of Protec  | tive Casing (                         | □ Other                            |
| Length       | of Water Colu         | mn: 101.5                                    | feet                           | Well Volum                       | e: 285.(                          | <b>e_</b> gal               | Screened       | interval (from                        | n GS):                             |
|              |                       |                                              |                                | Nate: 1-in we                    | ll = 0.041 gal/ft                 | 2-in well = 0.1             | 67 gal/ft 4-in | well = 0.667 g                        | al/ft 6-in well = 1.469 gal/ft 8". |
| B. PUR       | GE DATA               |                                              | Date Pi                        | urged: <u>1</u>                  | <u>15/11</u>                      | _Time: _/                   | .45            |                                       | Equipment Model(s)                 |
| Purge N      |                       | aller, Size: _<br>htrifugal Pun              | np D Perist                    | I Bladder Pun<br>altic Pump I li | p 🎽 2" Sub. i<br>hertial Lift Pum | Pump 🛛 4" Sul<br>D 🖾 Other: | b. Pump        | 1                                     | YS1-556                            |
| Materia      | ls: Pump/Baile        | r Dedica                                     | hylene 🚀 Si                    | ainless D PVC                    |                                   | O Other:                    |                | 2                                     | Monson Pump                        |
| Materia      | ls: Bone/Tubin        | n 🗯 Polyeti                                  | hylene 🛛 Po                    | vivpropylene                     | Tefion® D N                       | vion D Other                | osable         | 3.                                    | DRT ISCE                           |
|              |                       | S D Dedica                                   | ited D Pre                     | pared Off-Site                   | G Field-Clean                     | ed 💋 Disposa                | ble            | 4.                                    |                                    |
| Volume       | to Purge (mini        | mum):                                        | well y                         | volumes or                       |                                   | gallons                     |                |                                       |                                    |
| vvas we      | Cum Gallone           | oH res                                       | Temp                           | Pumping Ra                       |                                   | gal/min                     |                | 1                                     | Calibrated? 🧏 Yes ם                |
| Time         | Removed               | +0.1.01                                      | , chip                         | > of ±3% or                      | > of ±10% of                      | > of ±10% or                | Iurbidity      | Water Leve                            | Comments                           |
|              | (gai)                 | ±0.1 Su                                      | #2 0                           | ±10 µS/cm                        | ±20 mV                            | ±0.2 mg/L                   | ≤ 10 NTU       |                                       |                                    |
| 645          | 0                     | 5.63                                         | 18.23                          | 0.125                            | -83.5                             | 7.06                        | 0.09           | 6.75'                                 |                                    |
| 50           | 4.5                   | 4.88                                         | 18.51                          | 0.125                            | -77.9                             | 4.39                        | 0.11           | 6.75                                  |                                    |
| 655          | 9                     | 4.74                                         | 18.54                          | 0.124                            | -709                              | 4774                        | 176            | 175                                   | De- 371                            |
| 100          | 13.5                  | 419                                          | 10 01                          | A 10/                            | -112                              | 211                         | (2 02          | 6.13                                  | DO= J. 4                           |
| Ine          | 14                    | 112                                          | 10.51                          | 0.124                            | 70.5                              | 3.40                        | 0.02           | 6.76                                  |                                    |
| 105          |                       | 7.63                                         | 8.55                           | 0.125                            | - 70.0                            | 3.54                        | 0.05           | 6.76                                  |                                    |
| SAME         |                       | ТА                                           |                                |                                  | _                                 | _                           | 3.1            | Purge data                            | a continued on next sheet?         |
| Method/a     |                       | I /1<br>er. Size:                            | п                              | Bladder Pump                     | No Cub Due                        |                             |                | Geoct                                 | remical Analyses                   |
| metriou(a    | 9. 🛛 Centri           | lugal Pump                                   | Peristalti                     | c Pump D Iner                    | ial Lift Pump (                   | Other:                      | -ump           | Ferrou                                | is iron: mg/L                      |
| Materials    | : Pump/Bailer         | Polyethyl Dedicated                          | ene <b>SØ</b> Stain<br>d DPrep | less D PVC (<br>pared Off-Site   | Teilon® 🛙                         | Other:                      | ble            | DO:                                   | mg/L                               |
| Materials:   |                       |                                              | ene 🛛 Polyp                    |                                  | eflon® 🛛 Nylo                     | n Other:                    |                | Nitrate                               | : ma/i                             |
| Depth to '   | Water at Time         | of Samplin                                   |                                | ed Off-Site                      | Field-Cleaned                     | Disposable                  |                | Sulfata                               |                                    |
| Sample II    | MW122                 | ample Dat                                    | 2/1ch                          | A Sample Ti                      |                                   |                             | No<br>C        | Sunate                                | mg/L                               |
| Duplicate    | Sample Collec         | ted?□ Ye                                     | es 421 No                      | ID:<br>ID:                       | ne                                | # of Containe               | ers:           | Alkalim                               | ity:mg/L                           |
| Equipmer     | t Blank Collect       | ed? 🗆 Ye                                     | No                             | ID:                              |                                   | # of Containe               | 213. <u></u>   | -17                                   |                                    |
|              |                       |                                              |                                |                                  |                                   |                             |                |                                       |                                    |
|              |                       |                                              |                                |                                  |                                   | 8.200 - 4                   |                | <u></u>                               |                                    |
|              |                       |                                              |                                |                                  |                                   |                             |                |                                       |                                    |
|              |                       |                                              |                                |                                  |                                   |                             |                |                                       |                                    |
| : Include co | mments such as        | well conditio                                | n, odor. ores                  | ence of NAPI                     | or other items a                  | of on the field de          | to choci       | -                                     |                                    |



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WELL ID: \_\_\_\_\_MW-22

| 3 PHR    | GE DATA          | (contin  | ued from | n page                   | _)                     |                           |               |             |          |
|----------|------------------|----------|----------|--------------------------|------------------------|---------------------------|---------------|-------------|----------|
| 0.1 011  | Cum. Gallons     | pН       | Temp     | Spec. Cond.              | ORP                    | DO                        | Turbidity     |             | Comments |
| Time     | Removed<br>(gal) | ±0.1 su  | ±2°C     | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU      | water Level |          |
| 1710     | 20               | 4.59     | 18.50    | 0.124                    | -68.1                  | 3.46                      | 0.07          | 6.76        |          |
| 1715     | Samol            | e colle  | cted.    | Arb. 2                   | 10 + 3                 | 45 p                      | marchs        | stable      | 9        |
|          | 11 I.            |          | 2        | 1                        |                        |                           |               |             |          |
|          |                  |          |          |                          |                        |                           |               |             |          |
|          |                  |          |          |                          |                        |                           | 8             |             |          |
|          |                  |          |          |                          |                        |                           |               |             |          |
|          |                  |          |          |                          | સં                     |                           |               |             |          |
|          |                  |          |          |                          |                        |                           |               |             | 2 1      |
|          | <u> </u>         | <u> </u> |          |                          |                        |                           |               | 2           |          |
|          |                  | 1        |          |                          |                        | _                         |               |             |          |
|          | -                |          |          |                          |                        | 8 S.                      |               |             |          |
|          |                  |          | ν.       |                          |                        |                           |               | -           | 1. v. 14 |
|          |                  |          |          |                          |                        |                           | -             |             |          |
|          |                  |          |          |                          |                        |                           |               |             |          |
|          |                  |          |          |                          |                        |                           | _             |             |          |
|          |                  | <u> </u> |          |                          |                        |                           |               | 84 A        |          |
|          |                  |          |          | ъ. Г.,                   | <b>`</b>               |                           |               |             |          |
|          |                  |          |          |                          |                        |                           |               |             |          |
|          | ·                |          |          |                          | <u> </u>               |                           |               |             |          |
|          | -                |          |          |                          |                        | 1                         |               | hand        |          |
|          |                  |          | 1        |                          |                        |                           |               |             | · . ·    |
|          |                  |          | -        |                          |                        | <i>n</i>                  |               |             |          |
| <b> </b> |                  | +        |          |                          |                        | <u> </u>                  |               |             |          |
|          |                  | 198<br>5 |          |                          |                        |                           | а<br>1 ж. – 8 |             |          |
|          |                  |          | *        |                          |                        |                           |               |             |          |
|          |                  |          |          |                          |                        |                           |               |             |          |
|          |                  |          |          |                          |                        |                           |               |             |          |
|          |                  |          |          |                          |                        |                           |               |             |          |
|          |                  |          |          |                          |                        |                           | 54 C          |             |          |

Purge data continued on next sheet?

Signature Page \_\_\_\_\_ of \_\_\_\_



WELL ID: <u>MW-29R Zone 3-Waterloo</u>

| 1. PR       | OJECT II                | VFORM                   | IATION                |                                   |                               |                                    |                 |                  |                                |
|-------------|-------------------------|-------------------------|-----------------------|-----------------------------------|-------------------------------|------------------------------------|-----------------|------------------|--------------------------------|
| Proje       | ct Number:              | 138670                  | Task N                | umber: 200                        | -001                          | Area of C                          | ODcern.         |                  |                                |
| Clien       | t: Owens C              | orning                  |                       |                                   |                               | Personne                           | ы <b>ТЫ</b>     |                  |                                |
| Proje       | ct Location: A          | Inderson                | . South C             | arolina                           |                               | Weather                            | ~ 2.5°C         | Arreal           |                                |
| 2. WF       |                         |                         | Data                  |                                   | A. L                          | weather                            | <u></u>         | grous;           |                                |
| Casin       |                         |                         | Dater                 | vieasured:                        | <u></u>                       | Time:                              | AM              | Te               | emporary Well: Yes Sho         |
| Soroa       |                         |                         | inches<br>Le          | ength of water                    | r column caic                 | ulation:                           |                 |                  | ,                              |
| Seme        |                         | 6                       | inches<br>W           | 9094-Curre<br>ell Vol calcul      | ent Dg readin                 | g)*0.02775)*2                      | .3108) = Ler    | ngth of water    | column (ft)                    |
| Samp        | ung inteval:            | 154.5-169.              | 6_feet                | 1 well vol.                       | = [vol sand in                | terval(6*) - vol                   | of waterloo     | casing (2")] +   | - VOL of water in tubing (1/4  |
| Depth       | to Static Wate          | er: <u>0179.</u>        | t Dg                  | :                                 | = [22.18 gal -                | 2.52 galj + (0.                    | .0102 gal/ft >  | length of wa     | iter column                    |
| Depth       | to Product:             |                         | feet                  |                                   |                               |                                    |                 |                  |                                |
| Lengtr      | 1 of Water Col          | umn: <u>150</u> .       | <u>,9</u> feet        | Well Volur                        | ne:                           | gal                                | Screeneo        | i Interval (from | m GS):                         |
| 3. PUF      | GE DAT                  | Δ                       | Dete D                | Note: 1-III W                     | ell = 0.041 gavn              | t 2-in well = 0.1                  | 167 gal/ft 4-ir | 1 well = 0.667 g | al/ft 6-in well = 1.469 gal/ft |
| Purce       | Method.                 | Bailer, Size:           |                       | urgeo:                            | <u>אן ו&gt;ן ו</u>            | Time:(                             | 0743            |                  | Equipment Model(s)             |
|             |                         | entrifugal Pu           | mp O Perist           | altic Pump                        | Inertial Lift Pum             | p Cl Other:                        | . Pump          | 1                | XSI - 586                      |
| Materia     | als: Cump/Bail          | er <b>X</b> Dedic       | inylene OS<br>ated OS | tainless 🛛 PV0<br>Prepared Off-Si | C C Teflon®<br>te C Field-Cla |                                    |                 | 2                | DET·ISCE                       |
| Materia     | Is: Rope Tubii          |                         | thylene D Pro         | lypropylene (                     | Teflon® D N                   | iylon C Other.                     |                 | · · 3            | 140                            |
| Volume      | to Purge (mir           | imum). M                |                       | pared Off-Site                    | Field-Clean                   | ed 🖸 Disposi                       | able '          | 4.               |                                |
| Was we      | ell purged dry?         | Ves                     | No No                 | Pumping B                         | ato.                          | galions                            |                 |                  | 3p+ pH                         |
|             | Cum. Gallons            | ; pH                    | Temp                  | Spec. Cond.                       | ORP                           |                                    | e<br>Truchidite | <u></u>          | Calibrated? Yes                |
| Time        | Removed<br>(gal)        | ±0.1 su                 | ±2°C                  | > of ±3% or<br>±10 µS/cm          | > of ±10% or<br>±20 mV        | $r > of \pm 10\% or \pm 0.2 ma/l.$ | ≤ 10 NTU        | Water Level      | Comments                       |
| 2745        | 151 Full                | 6.58                    | 14.55                 | 0.167                             | -2.4                          | 9.09                               | 1.05            | 6753.6           |                                |
| 1750        | 0.2                     | 5.34                    | 15.88                 | 0.138                             | -32.4                         | 2.99                               | 1.44            | 6756.9           |                                |
| 1755        | 0.4                     | 5.35                    | 16.24                 | 0.134                             | - 46.7                        | 2.57                               | 1.38            | 6757.1           |                                |
| 800         | 0.6                     | 5:36                    | 16.28                 | 0.133                             | -57.9                         | 2.55                               | 1.40            | 67.972           |                                |
| 805         | 0.8                     | 5.42                    | 16.34                 | 0.132                             | - 55.4                        | 2.57                               | 1.03            | 62520            |                                |
|             |                         | 1.<br>                  | el                    |                                   |                               |                                    |                 | Purce data       | Continued on next shareful of  |
| SAMP        | LING DA                 | TA                      |                       |                                   |                               |                                    |                 | Geoch            | amical Analysis                |
| Method(s    | ): 🛛 Baile<br>Cl Centri | er, Size:<br>fugal Pump | Peristaltic           | Bladder Pump                      | C 2" Sub. Pur                 | p 0 4° Sub. P                      | ump             |                  | ennual Analyses                |
| Materials   | Pumy/Bailer             | O Polyethyle            | ene 🛛 Stainl          | ess Q PVC C                       | Teflon®                       | Other:                             |                 | remou            | s Iron:mg/L                    |
| Materiale   | Tubin /Bana             | Polvethule              | Prep                  | ared Off-Site                     | G Field-Cleane                | Disposat                           | ble             | DO:              | mg/L.                          |
|             |                         | Dedicated               | Prepare               | d Off-Site                        | Field-Cleaned                 | Other.                             |                 | Nitrate:         | mg/L                           |
| Depth to V  | vater at Time           | of Sampling             | g: <u>G757(</u>       | <u>0</u> F                        | field Filtered?               | 🛛 Yes 🧋                            | No              | Sulfate:         | mg/L                           |
| Sample ID   | Same - S                | ample Dat               | e: <u>J K \ </u>      | _ Sample Tin                      | ne: 0925                      | # of Containe                      | rs:             | Alkalipit        | y: ma/i                        |
| Faulomore   |                         | red? 🖸 Ye               | s My No               | ID:                               |                               | # of Container                     | rs:             | _ / `            |                                |
| -doihuneur  | Diank Collect           | ed? U Ye                | s)≱ No                | ID:                               |                               | # of Container                     | rs:             | _                | $\mathbf{N}$                   |
| COMM        | ENTS                    | 6.7                     |                       |                                   |                               |                                    | _               |                  |                                |
|             |                         |                         |                       |                                   |                               |                                    |                 |                  |                                |
| . Incl      |                         |                         |                       |                                   |                               |                                    |                 |                  |                                |
| inciude con | nments such as v        | well condition          | n, odor, prese        | nce of NAPL, o                    | r other items no              | t on the field data                | a sheet.        |                  |                                |
|             | 8                       |                         |                       |                                   |                               | 44 <sup>10</sup>                   | 7.In            |                  |                                |
| VI GW-2     | (Rev 25.Sepi.08 -       | sej)                    |                       | Page                              | 1.2                           | Sign                               | ature           | 0 100400 1 1     |                                |

#### BROWNELE CALDWEEE

### WELL ID: <u>MW-29R Zone 3-Waterloo</u>

| 3. PUR | GE DATA      | (contin  | nued from | n page _                 |                       |                             |           |             |             |
|--------|--------------|----------|-----------|--------------------------|-----------------------|-----------------------------|-----------|-------------|-------------|
| Time   | Cum. Gallons | рН       | Temp      | Spec. Cond.              | ORP                   | DO                          | Turbidity |             |             |
| TRUE   | (gal)        | ±0.1 su  | ±2°C      | > of ±3% or<br>±10 µS/cm | > of ±10% o<br>±20 mV | r > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level | Comments    |
| 0810   | Y.0/         | 5.46     | 16.39     | 0.181                    | - 57.2                | 2.55                        | 0.86      | 6757.2      | 1.4         |
| 0815   | 12/          | 5.49     | 16.40     | 0.131                    | - 58.2                | 2.46                        | 0.69      | 6757.6      | 1.8         |
| 0820   | 1.7 31       | 5.50     | 16.41     | a131                     | -58.5                 | 2.41                        | 0.48      | 6757.1      | 2.2         |
| 0825   | 1.17         | 5.52     | 16.39     | 0.130                    | - 58.6                | 2.34                        | 0.42      | 6757.6      | 2.6         |
| 0830   | 2.9          | 5.53     | 16.45     | 0.130                    | - 58.6                | 2.28                        | 0.33      | 6757.6      | 3.0         |
| 0835   | 2.24         | 5.54     | 16.49     | 0.130                    | -58.7                 | 2.25                        | 0.32      | 6757.0      | 3.4         |
| 0840   | [2.B]        | 5.55     | 16.50     | 0.130                    | - 58.9                | 2.21                        | 0.29      | 6756.4      | 3.9         |
| 0845   | 3.2          | 5.56     | 16.55     | 0.130                    | - 58.8                | 2.20                        | 0.35      | 6756.9      | 4.4         |
| 0850   | 3.8          | 5.56     | 16.51     | 0.129                    | - 58.9                | 2.16                        | 0.23      | 6756.8      | 4.9         |
| 0855   | 4.0          | 5.57     | 16.52     | 0.129                    | -58.8                 | 2.14                        | 0.29      | 676.9       | 6758.9 5 44 |
| 0900   | SHE ALLO     | 5.59     | 16.61     | 0.129                    | -58.8                 | 2.13                        | 0.24      | 6756.9      | 6.6 5.4     |
| 69.05  | 5.5          | 5.60     | 16.70     | 0.129                    | -59.1                 | 2.11                        | Q.20      | 6756.6      | 5.8         |
| 0910   | 36.2         | 5.60     | 16.73     | 0.129                    | - 59.0                | 2.10                        | 0.28      | 6757.0      | 6.2         |
| 6915   | 0.6          | 5.62     | 16.73     | 0.129                    | -59.1                 | 2.09                        | 0.24      | 67571       |             |
| 0920   | 1.0          | 5162     | 16.68     | 0.129                    | - 57.1                | 2.09                        | 0.10      | 6757.0      |             |
| 0925   | Sample       | Collecte | 6         |                          |                       |                             |           |             |             |
|        |              | 1        |           |                          |                       |                             |           |             |             |
|        |              |          |           |                          |                       |                             |           |             |             |
|        |              | _        |           |                          |                       |                             |           |             |             |
|        |              |          |           |                          |                       | /                           |           |             |             |
|        |              |          |           |                          |                       |                             |           |             |             |
|        |              |          |           |                          |                       |                             |           |             |             |
|        |              |          |           |                          |                       |                             |           |             |             |
|        |              |          |           |                          |                       |                             |           |             |             |
|        |              |          |           |                          |                       |                             |           |             |             |
|        |              | ]        |           |                          |                       |                             |           |             |             |
|        |              |          |           |                          |                       |                             |           |             |             |
|        |              |          |           |                          |                       |                             |           |             |             |

Dana 21 - 2

Signatu

Purge data continued on next sheet?



WELL ID: <u>MW-29R Zone 4-Waterloo</u>

| 1. PRO         | JECT INF          | ORMA                     | TION                       |                                    |                        |                            |                |                  |                                                                                                                  |
|----------------|-------------------|--------------------------|----------------------------|------------------------------------|------------------------|----------------------------|----------------|------------------|------------------------------------------------------------------------------------------------------------------|
| Project        | Number: 138       | 3670                     | Task Nur                   | ber: 200.0                         | 01                     | Area of Con                | em.            |                  |                                                                                                                  |
| Client:        | Owens Cor         | nina                     |                            |                                    | <u> </u>               | Personnel:                 | DM             |                  |                                                                                                                  |
| Project        | Location: And     | derson, S                | South Car                  | rolina                             |                        | Weather:                   | ~409           | Scatter          | ed clouds                                                                                                        |
| 2. WEL         | L DATA            |                          | Date Me                    | easured:                           |                        | Time: ႔                    | 4              | Temp             | orary Well: DYes MNo                                                                                             |
| Casing         | Diameter:         | inc                      | thes Long                  | ath of water o                     | 2/14/11                | tion                       |                |                  |                                                                                                                  |
| Screen         | Diameter:         | 3ino                     | thes                       | 8932.8-Curre                       | int Dg reading         | ))*0.02724)*2.             | 3108) = Len    | gth of water c   | olumn (ft)                                                                                                       |
| Samplir        | ng Interval: 17   | 7.6-202.2                | feet                       | i Vol. calculat<br>1 well vol. = [ | ion:<br>vol sand inter | val(6") - vol of           | waterloo ca    | using (2")] + vo | l of water intubing(1/4")                                                                                        |
| Depth te       | o Static Water:   | 6.027.7                  | 1001                       | = (                                | 36.14 gal - 4.         | 11 gal] + (0.01            | 02 gal/ft x le | ength of water   | column)                                                                                                          |
| Depth to       | o Product:        | -                        | feet                       |                                    | 11 04                  |                            |                |                  |                                                                                                                  |
| Length         | of Water Colur    | nn: 182.7                | feet                       | Well Volume                        | = <u>57.81</u>         | gal<br>2-io.woll - 0.16    | Screened       | Interval (from ) | GS):                                                                                                             |
|                | CE DATA           |                          | Dete Du                    | Tvole: 1-III wei                   | ela.                   | 2-in wen = 0.16            | 7 yant 4-m     | wen = 0.667 yavi | Equipment Model(c)                                                                                               |
| S. FUR         |                   | iller, Size:             |                            | Biadder Pum                        | p 🗆 2° Sub. Pi         | ump CI 4" Sub              | . Pump         | V                |                                                                                                                  |
| Purge          |                   | trifugal Pum             | p O Perista                | itic Pump 🗆 in                     | ertial Lift Pump       | Ci Other:                  |                | <b>ک</b> ۱<br>۲۰ | <u>JI JJ4</u>                                                                                                    |
| Materia        | s:(Pum)/Baile     | Dedica                   | ted DP                     | repared Off-Site                   |                        | aned Dispo                 | sable          | 2                |                                                                                                                  |
| Material       | s: Rope Tubin     | Polyeth                  | iylene 🛈 Pol<br>ted 🖸 Prec | lypropylene                        | Teflon® C Ny           | /lon C Other:              | ble            | 3                |                                                                                                                  |
| Volume         | to Purge (mini    | mum):                    | weit                       | olumes or                          |                        | gallons                    |                | 4                | 3 =+ 14                                                                                                          |
| Was we         | Il purged dry?    | C Yes                    | 🗆 No                       | Pumping Ra                         | te:                    | gal/min                    |                |                  | Calibrated? Yes                                                                                                  |
| Time           | Cum. Gallons      | рН                       | Temp                       | Spec. Cond.                        | ORP                    | DO                         | Turbidity      | Water Level      | Commente                                                                                                         |
| l ime          | (gal)             | ±0.1 su                  | ±2°C                       | > of ±3% or<br>±10 µS/cm           | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L  | ≤ 10 NTU       | Water Lever      | Comments                                                                                                         |
| 0933           | YSI Full          | 5.75                     | 16.36                      | 0.136                              | 6.136                  | 1.60                       | 1.20           | 6214.0           |                                                                                                                  |
| 0138           | 0.3               | 5.68                     | 16.56                      | 0.136                              | -45.0                  | 1.55                       | 1.29           | 6216.0           |                                                                                                                  |
| 0943           | 0.6               | 5.68                     | 16.69                      | 0.135                              | -55.4                  | 1.60                       | 1.15           | 6211.0           |                                                                                                                  |
| 0948           | 0.9               | 5.70                     | 16.63                      | 0.135                              | - 58.5                 | 1.70                       | 1.45           | 6213.0           |                                                                                                                  |
| 0953           | 1.2               | 5.71                     | 16.66                      | 0.136                              | -61.0                  | 1.60                       | 1.37           | 6212.6           |                                                                                                                  |
|                |                   |                          |                            |                                    |                        |                            |                | Purge data       | continued on next sheet?                                                                                         |
| 4. SAMI        | PLING DA          | TA                       |                            |                                    |                        |                            |                | Geoch            | emical Analyses                                                                                                  |
| Method(        | s): 🖸 Bail        | er, Size:<br>ifugal Pump | O Peristalt                | Bladder Pump<br>ic Pump 🖸 Ine      | tial Lift Pump آ<br>ا  | np 🛛 4" Sub. I<br>🛛 Other: | Pump           | Ferrou           | stron:mol                                                                                                        |
| Material       | s: Fump Bailer    | C Polyethy               | lene 🖸 Stair               | nless D PVC                        | C Teflon® C            | Other                      | hie            | DO:              | mg/L                                                                                                             |
| Materials      |                   | A Polyethy               | iene 🗆 Poly                | propylene                          | feflon@ D Nylo         | on 🗆 Other:                |                | Nitrate:         | mg/L                                                                                                             |
| Dooth to       |                   | P Dedicate               | d 🗆 Prepa                  | red Off-Site                       | ] Field-Cleaned        | Disposabl                  | 9              | Sulfate          | ma/L                                                                                                             |
| Sample         |                   |                          | ng: alish                  | Sample T                           | me. KUD                | f L Yes y                  |                | Alkalini         |                                                                                                                  |
| Dunlicate      | Sample Colle      | cted? D                  | es 🖬 No                    | <br>ID:                            | 110. <u>VI</u>         | # of Contain               | ers:           |                  |                                                                                                                  |
| Equipme        | nt Blank Collec   | sted? 	Y                 | es YA No                   | ID:                                |                        | # of Contain               | ers:           | /                | Y                                                                                                                |
| 5. COM         | MENTS             | 0                        | . lat                      | 545 <sup>-</sup>                   |                        |                            |                |                  |                                                                                                                  |
|                |                   | - and                    | DM                         | ~                                  |                        |                            |                |                  |                                                                                                                  |
| Aladas ( 4 - 4 |                   | a                        |                            |                                    | or other iter-         | not on the 4-14 -          | lata abcat     | -                |                                                                                                                  |
| INOTE: INCLUDE | comments such a   | s well condit            | ion, oaor, pre             | sence of NAPL                      | , or other items i     | nut on the held c          | ala sneet.     | A                | and the second |
|                |                   |                          |                            |                                    |                        | -                          | Y.             | -X               |                                                                                                                  |
| FORM GW-       | 2 (Rev 25.Sept.0) | 8 · sej)                 |                            | Dage                               |                        | y s                        | Signature      | 0                |                                                                                                                  |



WELL ID: \_\_\_\_\_MW-29R Zone 4-Waterloo

| 3. PUR     | GE DATA      | (contir | nued fror | n page                   |                        |                            |              |             |          |
|------------|--------------|---------|-----------|--------------------------|------------------------|----------------------------|--------------|-------------|----------|
| Time       | Cum. Gallons | рН      | Тетр      | Spec. Cond.              | ORP                    | DO                         | Turbidity    |             |          |
|            | (gal)        | ±0.1 su | ±2°C      | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | r > of ±10% o<br>±0.2 mg/L | r , ≤ 10 NTU | Water Level | Comments |
| 0958       | 1.6          | 5.71    | 16.70     | 0.136                    | -61.8                  | 1.57 .                     | 1.25         | 6209.7      |          |
| 1003       | 2.0          | 5.73    | 16.69     | 0.137                    | -62.8                  | 1.58                       | 1.20         | 6207.1      |          |
| 1008       | 2.4          | 5.73    | 16.67     | 0.137                    | -62.8                  | 1.60                       | 1.27         | 6203.0      |          |
| 1013       | 2.8          | 5.74    | 16.70     | 0.138                    | -62.9                  | 1.65                       | 1.33         | 6203.7      | 54       |
| 1018       | 3.2          | 5.74    | 16.73     | 0.138                    | -62.9                  | 1.72                       | 1.20         | 6207.8      |          |
| 1023       | 3.6          | 5.75    | 16.74     | 0.138                    | -63.1                  | 1.63                       | 1.14 6       | 208.4       |          |
| 1028       | 4.0          | 5.76    | 16.75     | 0.138                    | -63.4                  | 1.57                       | 1.17         | 6206.1      |          |
| 1033       | 4.4          | 5.76    | 16.76     | 0.139                    | -63.4                  | 1.54                       | 1.04         | 62035       |          |
| 1038       | 4.8          | 5.76    | 16.74     | 0.139                    | -63.4                  | 1.63                       | 1.13         | 6262.7      |          |
| 1040       | Sampl        | e Coll  | eckd      |                          |                        |                            |              |             |          |
|            |              |         | , i       |                          |                        | 2                          |              | (F          |          |
|            |              |         |           |                          |                        |                            |              |             |          |
|            |              |         |           |                          |                        |                            |              | -           |          |
|            |              |         |           |                          | · ·                    | 10<br>10                   |              |             |          |
|            |              |         |           | 1                        |                        |                            |              |             |          |
|            | ~            |         |           |                          |                        |                            |              |             |          |
| 1997 (F    |              |         |           |                          |                        |                            |              | -           |          |
|            | •            |         |           | -                        |                        |                            | 0            | 6           |          |
|            |              |         |           |                          |                        |                            |              |             |          |
|            |              |         |           |                          |                        |                            |              |             |          |
|            |              |         |           |                          |                        | · ·                        | 7 - 61       |             |          |
|            |              |         |           |                          |                        |                            |              |             |          |
| і <u>е</u> |              |         |           |                          |                        |                            |              |             |          |
|            |              |         | 0<br>4 0  |                          |                        |                            |              |             |          |
|            | •            |         |           |                          |                        |                            |              |             |          |
|            |              | - 1     | ·         |                          |                        |                            |              |             |          |
|            |              |         |           |                          | 4                      |                            |              |             |          |
|            |              |         | *         |                          |                        |                            |              |             |          |

Purge data continued on next sheet?

Signature



# **GROUNDWATER SAMPLING FIELD DATA SHEET**

WELL ID: MW-35

| 1. PR       | OJECT IN          | FORM              | IATION                    |                                    |                                   | 2                           |                     |                |                                       |
|-------------|-------------------|-------------------|---------------------------|------------------------------------|-----------------------------------|-----------------------------|---------------------|----------------|---------------------------------------|
| Proje       | ect Number: _1    | 38670             | Task N                    | lumber: <u>200</u>                 | .001                              | Area of C                   | oncern <sup>.</sup> |                |                                       |
| Clien       | t: <u>Owens C</u> | orning            |                           |                                    |                                   | Personne                    | : JOM               |                |                                       |
| Proje       | ct Location: A    | nderson           | <u>, South C</u>          | Carolina                           |                                   | Weather:                    | Cher .              | ~ 5010         |                                       |
| 2. WE       | LL DATA           |                   | Date                      | Measured:                          | 14 = 1 11                         | Time                        | 1000                |                |                                       |
| Casin       | g Diameter:       | 2                 | inches                    | Type:                              | PVC D Staid                       |                             |                     | Te             | amporary Well: Yes 2No                |
| Scree       | n Diameter:       | _2                | inches                    | Type: 🗆                            | PVC D Staint                      | ess D Galv Si               |                     |                |                                       |
| Total       | Depth of Well:    | 162               | feet                      | From: D                            | Top of Well Ca                    | sing (TOC)                  |                     | a Uther:       | —— <u>—</u> ——                        |
| Depth       | to Static Wate    | er:artesia        | an feet +68               | From:                              | Top of Well Ca                    | sing (TOC)                  | Tap of Protec       | the Casing     |                                       |
| Depth       | to Product:       |                   | feet                      | From: ם                            | Top of Well Ca                    | sing (TOC)                  | Top of Protec       | tive Casing    | Other:                                |
| Length      | n of Water Col    | umn: <u>162</u>   | feet                      | Well Volun                         | ne: 27.05                         | gal                         | Screened            | Interval (fro  |                                       |
|             |                   |                   |                           | Note: 1-in w                       | ell = 0.041 gal/h                 | t 2-in well = 0.            | 167 gal/ft 4-in     | well = 0.667 g | al/ft 6-in well = 1.469 gal/ft        |
| J. PUH      |                   | A<br>Bailer Size: | Date P                    | urged: <u>I</u> .                  | Feb.4                             | _ Time:                     | goe .               | ×              | Equipment Model(s)                    |
| Purge       | Method: Ce        | entrifugal Pui    | mp O Peris                | taltic Pump D !                    | np 🖸 2" Sub.<br>nertial Lift Purn | Pump 0 4 Si<br>p 0 Other:   | ib. Pump            | 1              | ISI SSG MOS                           |
| Materia     | als: Pump/Bail    | er 🛛 Połye        | thylene 🗆 S<br>ated 💷 I   | tainless D PV(<br>Prepared Off-Sit | C C Teflon®                       | C Other                     |                     | 2              | DRT-ISCE                              |
| Materia     | als: Rope/Tubir   |                   | thylene OP                | olypropylene (                     |                                   | Vylon O Other:              |                     | 3              |                                       |
| Volume      | to Purge (min     | uimum).           |                           | pared Off-Site                     | G Field-Clean                     | ed CTDisposi                | able                | 4.             |                                       |
| Was we      | ell purged dry?   | C Yes             |                           | Pumpina R:                         |                                   | galions =                   |                     |                |                                       |
| Time        | Cum. Gallons      | pH                | Temp                      | Spec. Cond.                        | ORP                               | gaviiiiii<br>DO             | Turbidity           | T              |                                       |
| IIme        | Removed<br>(gal)  | ±0.1 su           | ±2°C                      | > of ±3% or<br>±10 µS/cm           | > of ±10% or<br>±20 mV            | r > of ±10% or<br>±0.2 ma/L | ≤ 10 NTU            | Water Leve     | Comments                              |
| 7850        | Sm                |                   |                           |                                    |                                   |                             |                     |                | [                                     |
| 855         | 4.5               | 7.67              | 1503                      | 0.335                              | -91.5                             | 1.47                        | E                   | 103            | Lieur .                               |
| 900         | 9.0               | 7.32              | 15.08                     | 0.339                              | - 103.5                           | 1.01                        | 197                 |                | .;                                    |
| 905         | 12.0              | 7.39              | 15.08                     | 0 339                              | - 10%4                            | 12 04                       | 1 12                |                |                                       |
| 91"         | 15.00             | 148               | 15.50                     | () 141                             | 100.1                             | 0.07                        | 1.16                |                |                                       |
| <u>.</u>    |                   | 1.0               |                           | 0.511                              | -1095                             | V.67                        | 0.17                |                |                                       |
| SAMF        | LING DA           | ТА                |                           |                                    |                                   |                             |                     | Purge data     | continued on next sheet?              |
| Method(s    | ): 🛈 Baile        | er, Size:         | 0                         | Bladder Pump                       | 2" Sub. Pum                       | 1p 014" Sub. P              | ump                 | Geoch          | emical Analyses                       |
| Materials   | Pumn/Bailer       | O Polyethyle      | ene 🗆 Stain               | ess CI PVC -                       | ial Lift Pump G                   | Other: Are                  | <u>¢l-</u>          | Ferrou         | s Iron: mg/L                          |
|             |                   | Dedicated         | d C Prep                  | ared Off-Site                      | Field-Cleane                      | other: Area                 | ble                 | DO:            | mg/L                                  |
| waterials:  | Tubing/Rope       | Dedicated         | ene 🗆 Połyp<br>1 🖾 Prepar | ropylene 🛛 Té<br>ed Off-Site 🖸     | effon® I Nylor<br>Field-Cleaned   | Disposable                  |                     | Nitrate:       | mg/L                                  |
| Depth to V  | Vater at Time     | of Samplin        | g:                        | F                                  | ield Filtered?                    | □ Yes ₫                     | No                  | Sulfate:       | mo/L                                  |
| Sample ID   | S TE-NM           | Sample Dat        | e:[5.64]]                 | Sample Tin                         | ne: 0920                          | # of Containe               | ers: 2              | Alkalinit      | V: ma/l                               |
| Duplicate : | Sample Collec     | ted?  Ye          | es La No                  | ID:                                | <u> </u>                          | # of Containe               | rs:                 |                | · · · · · · · · · · · · · · · · · · · |
| -quipment   | i biank Collect   | ed? 🗆 Ye          | s of No                   | ID:                                |                                   | # of Containe               | rs:                 | [              |                                       |
|             | ENTS              | 5 e 2             | a - 6                     |                                    |                                   |                             |                     |                |                                       |
| COMM        |                   |                   |                           |                                    |                                   |                             |                     |                |                                       |
|             |                   | _                 |                           | _                                  |                                   |                             |                     |                |                                       |
|             | mnonte such a     |                   |                           |                                    |                                   |                             |                     | _              |                                       |
|             | mments such as    | well condition    | n, odor, prese            | ence of NAPL, o                    | r olher items no                  | t on the field dat          | a sheet.            |                |                                       |



WELL ID: MW-35

| <u>3. PUR</u> | <u>GE DATA</u> | (contin | ued from      | n page _/                | )                      |                           |           |             |                                |   |
|---------------|----------------|---------|---------------|--------------------------|------------------------|---------------------------|-----------|-------------|--------------------------------|---|
| Time          | Cum. Gallons   | рН      | Temp          | Spec. Cond.              | ORP                    | DO                        | Turbidity |             |                                | 1 |
|               | (gal)          | ±0.1 su | ±2°C          | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level | Comments                       |   |
| 0915          | 17             | 7:43    | 14.76         | 0.359                    | -107.9                 | 0.63                      | 0.95      |             |                                | ] |
| 0920          | 20             | 7.41    | <u> 4. 31</u> | 0.340                    | -1051                  | 0.60                      | 0.55      |             | ÷                              | ] |
| 0920          | Sagled         |         |               |                          |                        |                           |           |             | а.                             | 1 |
|               |                |         | •             |                          | -                      |                           |           |             |                                | Î |
|               |                |         |               | 5                        | •                      |                           |           | 3-          |                                | 1 |
|               | Ψ.             |         | ×             |                          |                        |                           | =         |             |                                | 1 |
|               |                |         |               | 2                        | _                      |                           |           |             |                                | 1 |
|               |                |         |               |                          | 1 N N                  |                           |           |             |                                | 1 |
|               |                | -       | ы<br>н 3 - 2  |                          |                        |                           |           |             |                                | t |
|               |                |         |               |                          |                        |                           |           |             |                                | ł |
|               |                |         |               | 81                       |                        |                           |           |             |                                |   |
|               |                |         |               |                          |                        |                           | 3.5       |             | 8                              | ł |
|               | 8 -            |         |               |                          |                        |                           |           |             |                                |   |
|               |                |         |               |                          |                        |                           |           |             |                                |   |
|               |                |         | -             |                          |                        |                           |           |             |                                |   |
|               |                | 9       |               |                          |                        | ÷                         |           |             |                                |   |
|               |                |         |               |                          | 3                      |                           |           |             |                                |   |
|               |                |         |               |                          | -                      |                           |           |             |                                |   |
| <u> </u>      |                |         |               | +                        |                        | <u> </u>                  |           |             |                                |   |
|               |                | ~       |               |                          |                        |                           |           |             |                                |   |
|               |                |         | 2 00<br>20    |                          |                        |                           |           |             |                                |   |
|               |                | - a 1   |               |                          |                        | n n e l'                  |           |             |                                |   |
|               |                |         |               |                          |                        |                           |           |             |                                |   |
|               |                |         |               | . 10                     |                        |                           |           |             |                                |   |
|               |                |         |               |                          |                        |                           |           |             |                                |   |
|               |                |         |               | ·                        |                        |                           | =         |             | *: p <sup>1</sup> <sup>*</sup> |   |
|               |                |         |               |                          |                        |                           |           |             | 19 a a 19                      |   |
|               |                |         | ≪<br>= 2⊴ 11  |                          |                        |                           |           |             |                                |   |
|               |                |         |               |                          |                        |                           |           |             |                                |   |

Purge data continued on next sheet?

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Daga 2

U/2

Signature



WELL ID: \_\_<u>MW-36 Zone 1-Waterloo</u>\_\_\_

| Projec        |                         |                          |                              |                                | 0.1                                    |                           |                               |                                |                                    |       |
|---------------|-------------------------|--------------------------|------------------------------|--------------------------------|----------------------------------------|---------------------------|-------------------------------|--------------------------------|------------------------------------|-------|
| Client        | : Owens Co              | rnina                    | I ask Nu                     | mber: <u>200.(</u>             |                                        | _ Area of Co              | ncem:                         |                                | <u> </u>                           |       |
| Projec        | t Location: An          | iderson.                 | South Ca                     | arolina                        | ······································ | Weather:                  | ~ 25=                         | Summer                         | Lung des                           |       |
| 2 WF          |                         |                          | Deta                         |                                | 2/11/2                                 |                           |                               | Jonay                          |                                    |       |
| Casin         | Diameter:               | 2                        | Dale IV                      | leasureu: _                    | 2/14/1                                 | l ime:                    | M                             |                                | mporary Well: 🛛 Yes 🕅              | No    |
| Scree         | Diameter:               | 6 ir                     | Lei                          | ngth of water<br>(8558 7-Curr  | column calcu                           | lation:                   | 12100) 1 -                    |                                |                                    |       |
| Sampl         | ing Interval:           | 99.1-116                 | feet We                      | Il Vol. calcula                | tion:                                  |                           | 2.3108) = Le                  | ingth of wate                  | r column (ft)                      |       |
| Depth         | to Static Water         | 6268.                    | L Dg                         | = 1 Wen VOI.                   | [24.83 gal - 2                         | 2.82 gal] + (0.0          | of waterloo c<br>102 gai/ft x | asing (2°)] +<br>length of wai | vol of tubing(1/4")<br>ter column) |       |
| Depth         | to Preduct:             | <u> </u>                 | _feet                        |                                |                                        |                           |                               |                                |                                    |       |
| Length        | of Water Colu           | mn: <b>95.0</b>          | feet                         | Well Volum                     | e: 22.98                               | gal                       | Screened                      | Interval (fror                 | n GS): <b>99 1 - 116</b> . C       | >     |
|               |                         | i                        |                              | Note: 1-in we                  | ll = 0.041 gai/ft                      | 2-in well = 0.1           | 67 gal/ft 4-in                | well = 0.667 g                 | al/ft 6-in well = 1.469 gal/l      | 4     |
| 3. FUR        |                         | ailer. Size:             | Date Pu                      | Irged:                         | <u>ר/ו4/וו</u><br>חמיקות ב             | _ Time: <u> </u>          | 340                           |                                | Equipment Model(s                  | 9)    |
| rurge         |                         | ntrifugal Pum            | np 🛛 Perista                 | altic Pump 🗆 Ir                | nertial Lift Pump                      | Other:                    | . rump                        | 1                              | YSI - 532                          |       |
| Materia       | uls: (Pum)/Baile        | Dedica                   | nylene 🔾 St<br>ited 🗆 P      | ainless                        | Cal Teflon®<br>Cal Field-Cle           | Maned Dispo               | sable                         | lar 2.                         | DRT-ISCE                           |       |
| Materia       | Is: Rope Tubin          | Polyett                  | nylene Q Po<br>ited Q Pres   | lypropylene                    | Tefion® 🗆 N<br>Q Field-Clean           | ylon 🖸 Other:_            | ble                           | 3. <u> </u>                    | Jarn Par Hower V                   | 70 (6 |
| Volume        | to Purge (mini          | imum): <u>M</u>          | it o pro                     | c<br>olumes or                 |                                        | gallons                   | ~                             | 4                              | <del>ال</del> م نــ2               |       |
| Was we        | ell purged dry?         | O Yes                    | No No                        | Pumping Ra                     | te:                                    | gal/min                   |                               |                                | Calibrated? Yes                    |       |
| Time          | Cum. Gallons<br>Removed | рH                       | Temp                         | Spec. Cond.                    | ORP                                    | DO                        | Turbidity                     |                                | 8 w 1                              |       |
| -             | (gal)                   | ±0.1 su                  | ±2°C                         | > or ±3% or<br>±10 µS/cm       | > of ±10% or<br>±20 mV                 | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU                      | vater Level                    | Comments                           |       |
| 344           | YSI Full                | 5.43                     | 17.23                        | 0.120                          | 6.6                                    | 5.43                      | 1.32                          | 62915                          |                                    |       |
| 349           | V 302 0.4               | 5.22                     | 17.37                        | 0.117                          | 1.4                                    | 409                       | 1.35                          | 62819                          |                                    |       |
| 354           | 6.9                     | 5.25                     | 17 21                        | A.11/                          | -/ /                                   | 311                       | 124                           | 1. 201 1                       |                                    |       |
| 359           | PQ-61.2                 | 5.24                     | 12 27                        | 6 1111                         | -71                                    | 271                       | 1.01                          | 6701 1                         |                                    |       |
| 404           | The IL                  | 571                      | 17.27                        |                                | -7.6                                   | 2.76                      | 1.07                          | 0 = od.                        |                                    |       |
| 101           | 15.01.0                 | 5.9.0                    | 11.51                        | 0.117                          | -8.8                                   | 3.72                      | 1.07                          | 6283.5                         |                                    |       |
| . SAMP        | LING DA                 | TA                       |                              |                                |                                        | _                         |                               | Purge data                     | a continued on next sheet?         | ×     |
| Method(s      | s): D Baile             | er, Size:                | <b>X</b>                     | Bladder Pump                   | 2" Sub. Pur                            | np 🖸 4" Sub. F            | ump                           | Geoch                          | emical Analyses                    | /     |
| Materiale     |                         | ugal Pump<br>Q Polvethvk | u Peristaltic<br>ene O Stain | Pump Q Inert                   | ial Lift Pump C                        | Other:                    |                               | Ferrou                         | s Iron: mg/j/                      |       |
| materials     | Bailer                  | Dedicated                | d O Prep                     | ared Off-Site                  | C Field-Cleane                         | d C Disposal              | ble                           | DO:                            |                                    |       |
| Materials     | Tubing/Rope             | Dedicated                | ene 🗆 Polyp<br>I 🗆 Prepar    | ropylene C Te<br>ed Off-Site C | Field-Cleaned                          | Disposable                |                               | Nitrate                        | : mg/L                             |       |
| Depth to      | Water at Time           | of Samplin               | g: 628                       | <u>3.9</u> Pg F                | Field Filtered?                        | 🗆 Yes 💅                   | No                            | Sulfate                        | :                                  |       |
| Sample I      | D: <b>MW·36 cong</b>    | Sámple Dat               | le: <u>2/14/</u>             | Sample Tir                     | ne: <b>1450</b>                        | # of Containe             | ers:                          | Alkalini                       | ty:mg/L                            |       |
| Fouipmer      | Sample Collec           | ted? D Ye                | s 🕱 No                       | ID:                            |                                        | # of Containe             | ors:                          | —[                             |                                    |       |
| -dohuel       | n Diarin Cullect        |                          | no no                        | IU:                            |                                        | # of Containe             | rs:                           | _                              | <u> </u>                           |       |
| COMN          | IENTS                   |                          | Ų.                           |                                |                                        |                           |                               |                                |                                    |       |
|               |                         |                          |                              |                                |                                        |                           | - <u>1</u>                    |                                |                                    | 1     |
| e: Include co | mments such as          | well conditio            | n adar pro-                  | ance of NADI                   |                                        |                           |                               |                                |                                    |       |
| 50            |                         |                          | ., ouor, pres                | ence of NAPL, (                | a other items no                       | or on the field da        | a sheet.                      | <u> </u>                       |                                    |       |
|               |                         |                          |                              |                                |                                        |                           | 172                           | <u> </u>                       |                                    |       |



WELL ID: \_\_\_\_\_ MW-36 Zone 1-Waterloo

| 3. PUR | GE DATA      | (contin        | ued fron            | n page _1                | )                      |                           |           |                     |                                        |
|--------|--------------|----------------|---------------------|--------------------------|------------------------|---------------------------|-----------|---------------------|----------------------------------------|
| Time   | Cum. Gallons | рН             | Temp                | Spec. Cond.              | ORP                    | DO                        | Turbidity |                     |                                        |
|        | (gal)        | ±0.1 su        | ±2°C                | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level         | Comments                               |
| 1409   | 1.0          | 5.28           | 17.39               | 0.114                    | -10.4                  | 3.62                      | 0.83      | 6282.2              | - 1                                    |
| 1414   | 2324         | 5.39           | 17.39               | 0.114                    | -11.3                  | 3.77                      | 0.66      | 6282.3              | 8. j.                                  |
| 1419   | 2.8          | 5.34           | 17.37               | 0.114                    | -12.0                  | 3.79                      | 0.57      | 6283.6              | <u> </u>                               |
| 1424   | <u>3.5</u>   | <u>5.35</u>    | 17.37               | 0.114                    | -12.6                  | 3.80                      | 0.60      | 6283.6              |                                        |
| 1429   | 4.0          | 5.34           | 17.38               | 0. 14                    | -/3.3                  | 3.64                      | 0.52      | 6282.4              |                                        |
| 1434   | 4.5          | 5.76           | 17.37               | 0.114                    | -14.0                  | 3.56                      | 0.49      | 6282.8              |                                        |
| 1439   | 5.0          | 5.37           | 17.33               | 0.114                    | -14.4                  | 3.8,53                    | 0.57      | 6284.0              | ······································ |
| ायपय   | 5.5          | 5.37           | 17.33               | 0.114                    | -15.0                  | 3.55                      | 0.46      | 6283.9              |                                        |
| 1450   | Sample       | Coll           | eckd                |                          |                        |                           |           | *                   |                                        |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        | TN           |                |                     |                          |                        |                           |           |                     | 1 C 1 - 2                              |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        |              |                | <b>—</b> , <b>—</b> |                          |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           | 5         |                     |                                        |
| · · ·  |              | (a)            |                     |                          |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        |              | - 4<br>767 - 0 |                     |                          |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        |              |                |                     | 1                        |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        |              |                |                     | _                        |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           |           |                     |                                        |
|        |              |                |                     |                          |                        |                           | Pur       | ge data continued o | on next sheet?                         |

1,1

Signature



WELL ID: <u>MW-36 Zone 3-Waterloo</u>

| Proje                                                              | ct Number: 1                                                                                                              | 38670                                                                           | Task N                                                         | umber: <u>200</u>                                                                                                                             | .001                                                                                                                                                                    | Area of C                                                                                                                                                         | Officern:                                                                                       |                                                                                                |                                                                                                                             |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Client                                                             | : Owens Co                                                                                                                | orning                                                                          |                                                                | <u> </u>                                                                                                                                      |                                                                                                                                                                         | Personne                                                                                                                                                          | DM                                                                                              |                                                                                                |                                                                                                                             |
| Proje                                                              | ct Location: A                                                                                                            | nderson,                                                                        | South C                                                        | arolina                                                                                                                                       |                                                                                                                                                                         | Weather:                                                                                                                                                          | ~55°F                                                                                           | Sing,                                                                                          | Windy                                                                                                                       |
| 2. WE                                                              | LL DATA                                                                                                                   |                                                                                 | Date N                                                         | Aeasured:                                                                                                                                     | 2/14/11                                                                                                                                                                 | Time:                                                                                                                                                             | AM                                                                                              | Te                                                                                             |                                                                                                                             |
| Casin<br>Scree<br>Samp<br>Depth<br>Depth<br>Length<br>PUR<br>Purge | g Diameter:<br>n Diameter:<br>ting Interval:<br>to Static Wate<br>to Product:<br>of Water Colu<br>GE DATA<br>Method: B B. | 2ii<br>6ir<br>180.2-192<br>r: <b>6435.5</b><br>mn: <b>[643.</b><br>ailer, Size: | nches L<br>nches W<br>Zfeet<br>feet<br>feet<br>Geet<br>Date Pr | ength of wate<br>(9093.1-Cu<br>Vell Vol. calcu<br>1 well vol.<br>Well Volun<br><i>Note: 1-in w</i><br>Urged: 2<br>Bladder Pur<br>altic Pump 1 | er column calo<br>urrent Dg reac<br>lation:<br>= [vol sand ir<br>= [18.36 gal<br>ne: <u>12.98</u><br>ell = 0.041 gal/f<br>/iii//ii<br>mp Q 2* Sub.<br>inertial Lift Pum | culation:<br>ding)*0.02725<br>nterval(6*) - vo<br>2.09 gal] + ((<br>gal<br><u>t 2-in well = 0</u> ,<br><u>t 2-in well = 0</u> ,<br><u>Time: _/</u> ,<br>Pump14*s. | )*2.3108) = 1<br>of waterloc<br>0.0102 x leng<br>Screenec<br>187 gal/ft 4-1<br>53 0<br>ub. Pump | Length of wate<br>o casing (2")] -<br>gth of water co<br>t Interval (from<br>in well = 0.667 g | er column (ft)<br>+ vol of water in tubing(1/4<br>olumn)<br>n GS):<br>mal/ft 6-in well = 1.469 gal/ft<br>Equipment Model(s) |
| lateria                                                            | Is Pump/Baile                                                                                                             | r C Polyet                                                                      | hylene 🗆 Si                                                    | tainless Q PV(                                                                                                                                | C I Teflon®                                                                                                                                                             | Dother: De                                                                                                                                                        | Arcated                                                                                         | <br>                                                                                           | DRT-ISIE                                                                                                                    |
| Materia                                                            | Is: Rope Tubin                                                                                                            | Polyeti<br>Dedica                                                               | hylene 🗆 Po<br>Ited 🖸 Pre                                      | olypropylene<br>pared Off-Site                                                                                                                | Tellon® Q N<br>Q Field-Clear                                                                                                                                            | lylon 🛛 Other:<br>led 🖸 Dispos                                                                                                                                    | able                                                                                            | 3. <b>k</b>                                                                                    | IREN AIR POWER V                                                                                                            |
| Volume                                                             | to Purge (mini                                                                                                            | mum):                                                                           | web                                                            | volumes or                                                                                                                                    |                                                                                                                                                                         | gallons                                                                                                                                                           |                                                                                                 | 4                                                                                              | 3pt PH                                                                                                                      |
| vvas we                                                            | Cum. Gailons                                                                                                              | pH res                                                                          | Temp                                                           | Pumping Ra                                                                                                                                    | ate:                                                                                                                                                                    | gal/min                                                                                                                                                           | <b>F</b> =                                                                                      | _                                                                                              | Calibrated? Yes                                                                                                             |
| Time                                                               | Removed<br>(gal)                                                                                                          | ±0.1 su                                                                         | ±2°C                                                           | > of ±3% or<br>±10 µS/cm                                                                                                                      | > of ±10% or<br>±20 mV                                                                                                                                                  | > of ±10% ar<br>±0.2 mg/L                                                                                                                                         | Turbidity<br>≤ 10 NTU                                                                           | Water Level                                                                                    | Comments                                                                                                                    |
| 515                                                                | YSI Full                                                                                                                  | 6.79                                                                            | 17.94                                                          | 1.517                                                                                                                                         | -9.2                                                                                                                                                                    | 5.25                                                                                                                                                              | 8550.+                                                                                          | 83521                                                                                          | wh- bast                                                                                                                    |
| 520                                                                | 0.05                                                                                                                      | 6.83                                                                            | 19.16                                                          | 1.514                                                                                                                                         | -18.1                                                                                                                                                                   | 4.89                                                                                                                                                              | 0.67                                                                                            | asau                                                                                           | Pros Proort                                                                                                                 |
| 25                                                                 | 0.21                                                                                                                      | 6.84                                                                            | 19.28                                                          | 1.516                                                                                                                                         | -261                                                                                                                                                                    | 519                                                                                                                                                               | 0 91                                                                                            | 61 AT A                                                                                        |                                                                                                                             |
| 530                                                                | 0.15                                                                                                                      | 684                                                                             | 19.81                                                          | 1512                                                                                                                                          | .09                                                                                                                                                                     | 5.41                                                                                                                                                              | 0.14                                                                                            | 0646.0                                                                                         |                                                                                                                             |
| :25                                                                | 0.20                                                                                                                      | 692                                                                             | 19 51                                                          | 1517                                                                                                                                          | -079                                                                                                                                                                    | 4911                                                                                                                                                              | 0.50                                                                                            | 8+16.0                                                                                         |                                                                                                                             |
|                                                                    |                                                                                                                           | 0.15                                                                            | 11-911                                                         | 1. 717                                                                                                                                        | 80.1                                                                                                                                                                    | 1.17                                                                                                                                                              | 0.58                                                                                            | 8 780.0                                                                                        |                                                                                                                             |
| SAMF                                                               | LING DAT                                                                                                                  | ГА                                                                              |                                                                |                                                                                                                                               |                                                                                                                                                                         |                                                                                                                                                                   |                                                                                                 | Purge data                                                                                     | continued on next sheet?                                                                                                    |
| Aethod(s<br>Aaterials:                                             | ): Baile<br>Centrif                                                                                                       | r, Size:<br>ugal Pump<br>Dedicated                                              | Peristaltic ene     Stain     Prep                             | Bladder Pump<br>Pump Q Iner<br>less Q PVC (<br>pared Off-Site                                                                                 | 2° Sub. Pun<br>tial Lift Pump (<br>Teflon® (1)<br>(1) Field-Cleane                                                                                                      | np I 4° Sub. I<br>Other:<br>Other:<br>ed I Dispose                                                                                                                | Pump                                                                                            | Ferroue<br>DO:                                                                                 | Iron: mg/L                                                                                                                  |
| Aaterials:                                                         | Tubing/Rope                                                                                                               | Dedicated                                                                       | ine 🖸 Polyp                                                    | ropylene 🛄 Te<br>ed Off-Site 🛄                                                                                                                | Field-Cleaned                                                                                                                                                           | Discosshi                                                                                                                                                         |                                                                                                 | Nitrate:                                                                                       | mg/L                                                                                                                        |
| epth to V                                                          | Vater at Time o                                                                                                           | of Sampling                                                                     | g:                                                             | F                                                                                                                                             | ield Filtered?                                                                                                                                                          |                                                                                                                                                                   | No _                                                                                            | Sulfate:                                                                                       | ma/L                                                                                                                        |
| ample IC                                                           | - MW . 36 28                                                                                                              | ample Date                                                                      | : g/H/u                                                        | _Sample Tir                                                                                                                                   | ne: <u>1605</u>                                                                                                                                                         | # of Containe                                                                                                                                                     | ers:                                                                                            | Alkalinity                                                                                     | r/ma/L                                                                                                                      |
| upiicate:                                                          | Sample Collect                                                                                                            | ed?D Ye                                                                         | s SK No                                                        | ID:                                                                                                                                           |                                                                                                                                                                         | # of Containe                                                                                                                                                     | rs:                                                                                             | _ /                                                                                            |                                                                                                                             |
| 100000000                                                          | Jank Collecte                                                                                                             | vici Ye                                                                         | S JA NO                                                        | ID:                                                                                                                                           |                                                                                                                                                                         | # of Containe                                                                                                                                                     | rs:                                                                                             | _ /                                                                                            | 1                                                                                                                           |
|                                                                    | ENTS _                                                                                                                    |                                                                                 |                                                                |                                                                                                                                               |                                                                                                                                                                         |                                                                                                                                                                   |                                                                                                 |                                                                                                |                                                                                                                             |
| Include co                                                         | mments such as                                                                                                            | well condition                                                                  | a ode                                                          |                                                                                                                                               |                                                                                                                                                                         |                                                                                                                                                                   |                                                                                                 |                                                                                                |                                                                                                                             |
|                                                                    | annonia such as                                                                                                           | weii conditio                                                                   | ri, odor, pres                                                 | sence of NAPL,                                                                                                                                | or other items                                                                                                                                                          | not on the field                                                                                                                                                  | data choot                                                                                      |                                                                                                |                                                                                                                             |



ELL ID: MW-36 Zone 3-Waterloo

| 3. PURC  | GE DATA          | (contin | ued fron      | n page _                 | <u>()</u>             |                             |                  |           |            |
|----------|------------------|---------|---------------|--------------------------|-----------------------|-----------------------------|------------------|-----------|------------|
|          | Cum. Gallons     | рH      | Temp          | Spec. Cond.              | ORP                   | DO                          | Turbidity        |           | 0          |
| Time     | Removed<br>(gal) | ±0.1 su | ±2°C          | > of ±3% or<br>±10 µS/cm | > of ±10% o<br>±20 mV | r > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU         | (Dg)      | Comments   |
| 1540     | 0.25             | 6.99    | 19.82         | 1.514                    | -105.2                | 4.47                        | 0.69             | 9054.0    |            |
| 1545     | 0.30             | 6.99    | 20.50         | 1.574                    | -101.0                | 4.39                        | 0.50             | 9079.0    |            |
| 1550     | Zone             | purge   | d da          | . Dy                     | reading               | very ch                     | se to a          | 200       |            |
|          | readur           | 909     | <u>3.1) a</u> | nd only                  | y gettin              | dup                         | r 2 0            | every     |            |
|          | other            | cuel    | e. U          | Hing r                   | cherge                | and                         | wheet            | sample    | ·          |
| 1605     | Sam              | ole cu  | llecte        | 13                       | 0                     |                             |                  |           |            |
|          |                  |         |               |                          |                       | ų.                          |                  |           |            |
|          |                  |         |               |                          |                       |                             |                  |           |            |
|          |                  | _       |               |                          |                       |                             | ч.               |           | *          |
|          |                  |         |               |                          |                       |                             | - 8 <sub>8</sub> |           |            |
| -        |                  |         |               |                          | _                     |                             |                  | a –       |            |
|          |                  |         |               | _                        |                       |                             | ~                |           |            |
|          |                  |         |               |                          |                       | -                           |                  |           |            |
| 1        |                  |         | 31            |                          |                       |                             |                  |           |            |
|          |                  |         |               |                          |                       |                             |                  |           | . <i>6</i> |
|          |                  |         |               |                          |                       |                             |                  |           | 8 A D      |
|          |                  |         |               | -                        | 2 8                   |                             |                  |           |            |
|          |                  |         |               |                          |                       |                             |                  |           |            |
| ц.       |                  |         |               |                          |                       |                             | 1                |           | . 1 . 2    |
|          |                  |         |               |                          |                       | S                           |                  | -         |            |
|          |                  |         |               |                          | 2. v                  | 81                          |                  |           |            |
|          |                  | 3       |               |                          |                       |                             |                  |           |            |
|          |                  |         |               |                          |                       | i i                         |                  |           |            |
|          |                  | - Y     |               |                          | - 725                 |                             |                  | De la     |            |
|          |                  |         | - 1           |                          | 1                     | -                           |                  |           |            |
|          |                  | l       |               |                          | 063 1                 |                             |                  |           |            |
|          |                  |         |               |                          |                       |                             |                  | A Prairie |            |
| Addition | 1 a 2            |         |               | - 31                     |                       |                             |                  |           |            |

Pora 2 . d

Purge data continued on next sheet?

Signat



WELL ID: <u>MW-36 Zone 5-Waterloo</u>

| Projec                   | t Number: 1     | 38670                | Task N                 | umber 200                        | 001                           | A #                           |                              |                                   |                                     |
|--------------------------|-----------------|----------------------|------------------------|----------------------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------------|-------------------------------------|
| Client                   | : Owens Co      | orning               |                        |                                  |                               | Area of C                     | oncern:                      |                                   | ·                                   |
| Projec                   | t Location: A   | nderson              | South C                | arolina                          |                               | · ersonne<br>Weather          | ~55°F                        | Swame L                           | linda                               |
| 2. WE                    | LL DATA         |                      | Date                   | Measured:                        | 2/14/1                        | Time                          |                              |                                   |                                     |
| Casing                   | g Diameter:     | 2                    | inches                 | neasarea.                        | -01/0                         | (ime:                         | <u>/m</u>                    | Те                                | mporary Well: OYes MNo              |
| Screen                   | n Diameter:     | 6                    | Le                     | ength of water<br>(8843.2-Cu     | column calcu<br>rent Do readi | ulation:                      | *2 2100\                     |                                   |                                     |
| Sampl                    | ing Intervall:  | 269.9-275            | ₩<br>Mi_feet           | ell Vol. calcul<br>1 well vol. = | ation:                        | en/al/6*)                     | 2.3106) ≡ L                  | ength of wate                     | r column (ft)                       |
| Depth                    | to Static Wate  | er: (043             | . leet                 | . =                              | = [7.49 gal - 0               | .85 gal] + (0.0               | 01 waterioo<br>1102 x length | casing (2")] +<br>I of water colu | vol of water in tubing(1/4")<br>mn) |
| Depth                    | to Product:     |                      | feet                   |                                  | _                             |                               | •                            |                                   |                                     |
| Length                   | of Water Colu   | umn <u>: 252</u>     | feet                   | Well Volun                       | ne: 9.2                       | gal                           | Screened                     | i Interval (from                  | n GS):                              |
| R. PUR                   | GE DATA         | -                    | Dete D                 | Note: 1-in we                    | ell = 0.041 gai/h             | 2-in well = 0.                | 167 gal/ft 4-in              | well = 0.667 ga                   | al/ft 6-in well = 1.469 gal/ft      |
| Purge N                  |                 | n<br>Bailer, Size: . |                        | Bladder Pur                      | <b>1/11</b>                   |                               | 32                           | <u></u>                           | Equipment Model(s)                  |
| Motoria                  |                 | Intrifugal Pur       | np O Perisi            | taillic Pump D I                 | nertial Lift Pum              | p D Other:                    |                              |                                   | 151-556                             |
| watena                   | is rump/Baile   | эгсіучі              |                        | anness UPV(                      | ; Lu ⊺eflon®)                 | VI Other:                     | urated                       | 2                                 | UKT-ISCE                            |
| Materia                  | Is: Rope Tubi   | 9 Polyet             | hylene DP<br>ated DPre | olypropytene<br>pared Off-Site   | Teflon® C N<br>Field-Clean    | lylon 🛛 Other;<br>ed 🖸 Dísnos | able                         | 3. <u> </u>                       | ARN air pour vtc                    |
| Volume                   | to Purge (min   | imum):               | wall                   | volumes or                       |                               | gallons                       |                              | 4                                 | 2 + 24                              |
| Was we                   | Il purged dry?  | Ves                  | O No                   | Pumping Ra                       | ite:                          | gal/min                       |                              |                                   | Calibrated? Yes                     |
| Time                     | Removed         | PH                   | Temp                   | Spec. Cond.                      | ORP                           | DO                            | Turbidity                    | -                                 |                                     |
|                          | (gal)           | ±0.1 su              | ±2°C                   | ±10 µS/cm                        | ±20 mV                        | > or ±10% or<br>±0.2 mg/L     | ≤ 10 NTU                     | vvater Level                      | Comments                            |
| 635                      | YSI Full        | 6.76                 | 17.35                  | 3.245                            | -27.4                         | 5.15                          | 12.6                         | 7374                              |                                     |
| 640                      | 0.2             | 6.71                 | 18.16                  | 3.238                            | -87.2                         | 4.16                          | 3.99                         | HUE                               |                                     |
| 645                      | 0.3             | 6.73                 | 18.51                  | 3 242                            | -92.1                         | 398                           | 510                          | 2/ 9/                             |                                     |
| 50                       | 0.4             | 6.28                 | 19.04                  | 3 141                            | -101                          | 207                           | 41-                          | 7636                              |                                     |
| 55                       | 0.5             | 6.80                 | 10 11                  | 2010                             | 100.0                         | 27+                           | 7.65                         | 7637                              |                                     |
|                          | 0.0             | 0.00                 | 19.70                  | 3.240                            | 102.9                         | 3.14                          | 3.75                         | 1675                              |                                     |
| SAMP                     | LING DA         | TA                   |                        |                                  |                               |                               |                              | Purge data                        | continued on next sheet?            |
| Method(s)                | : O Baile       | er, Size:            |                        | Bladder Pump                     | 2 2 Sub. Pum                  | ip 🖸 4" Sub. f                | omp                          | Geoche                            | emical Analyses                     |
| Materials                | PumpBailer      | Polyethyle           | enstaltio              | ess O PVC r                      | al Lift Pump □<br>Teflor@ □   | Other:                        | ·                            | Ferrous                           | fron: mg/L                          |
| Vatoriale                |                 |                      |                        | ared Off-Site                    | G Field-Cleane                | d D Disposa                   | ble                          | DO:                               | /mg/L                               |
| materials                | - ubility Hope  | Dedicated            | D Prepare              | opyrene Li Te<br>ed Off-Site Li  | Field-Cleaned                 | Other:<br>Disposable          |                              | Nitrate:                          | ─ <b>─</b> mg/L                     |
| Jepth to M               | Vater at Time o | of Sampling          | ;                      | F                                | ield Filtered?                | 🗆 Yes 🌾                       | No                           | Sulfate:                          | mg/L                                |
| ounpie iD<br>Suplicate < | Sample College  | ample Dati           | e: <u># #   </u>       | Sample Tin                       | ne: <u>1750</u>               | # of Containe                 | ers:2                        | Alkalinik                         |                                     |
| guipment                 | Blank Collect   | ed? Di Ye            | synt No<br>synt No     | יט:<br>יתו:                      |                               | # of Containe                 | rs:                          | _ /                               |                                     |
|                          |                 |                      | - 70 110               | ····                             |                               | # of Containe                 | rs:                          |                                   | N                                   |
| JOMM                     | ENTS            |                      |                        |                                  |                               |                               |                              |                                   |                                     |
|                          |                 |                      |                        |                                  |                               |                               |                              |                                   |                                     |
|                          |                 |                      |                        |                                  |                               |                               |                              |                                   |                                     |
| Include con              | ments such as v | vell condition       | , odor. orese          | DCA OF NADI                      | nihor ilam-                   | 1 an 14 . C                   |                              |                                   | 1                                   |

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LL ID: MW-36 Zone 5-Waterloo

| 3. PURC         | E DATA           | (continu  | led from | n page _ (               | _)                     |                           |           |             |          |
|-----------------|------------------|-----------|----------|--------------------------|------------------------|---------------------------|-----------|-------------|----------|
|                 | Cum. Gallons     | ρН        | Тетр     | Spec. Cond.              | ORP                    | DO                        | Turbidity | Water Level | Comments |
| Time            | Removed<br>(gal) | ±0.1 su   | ±2°C     | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  |             |          |
| 1700            | 0.55             | 6.82      | 19.64    | 3.244                    | -102.2                 | 3.81                      | 3.41      | 7650        | 6. N     |
| 1705            | 0.60             | 6.81      | 19.64    | 3.247                    | -100.6                 | 3.83                      | 3.52      | 7697        |          |
| 1710            | 0.65             | 6.84      | 19.39    | 3.247                    | -100.4                 | 3.68                      | 3.47      | 7728        |          |
| 1715            | 0.70             | 6.85      | 19.26    | 3.244                    | -99.8                  | 3.71                      | 3.27      | 7751        |          |
| 1720            | 0.75             | 6.85      | 19.06    | 3.262                    | -100.3                 | 3.28                      | 3.62      | 7762        |          |
| 1725            | 0.80             | 6.85      | 19.15    | 3.260                    | -99.3                  | 3.48                      | 3.51      | 7766        |          |
| 1730            | Samo             | e coll    | used     |                          | -                      | ñ                         |           |             |          |
|                 | 1                |           |          |                          |                        | 57 D                      | <i>.</i>  |             |          |
|                 |                  |           |          |                          |                        |                           | • -       |             | 24       |
| - <sup></sup> - |                  |           |          | l                        |                        |                           |           | 1           |          |
|                 |                  |           |          |                          | <u> </u>               |                           |           | 1           | •••      |
|                 |                  |           | с.<br>С  |                          |                        |                           |           |             |          |
|                 |                  |           |          |                          |                        |                           |           | 12          |          |
|                 |                  |           | × 4      |                          |                        |                           |           |             |          |
|                 |                  |           | a 11.1   | 91<br>10                 | -                      |                           | 105<br>   |             |          |
|                 |                  | _         |          | -                        | a n. Ta                |                           |           |             |          |
|                 |                  |           |          |                          |                        |                           |           |             |          |
|                 |                  |           | - 12 H   | 1<br>K (1)               |                        |                           |           |             |          |
|                 |                  |           |          | eg É e                   |                        |                           |           |             |          |
|                 |                  |           |          |                          |                        |                           |           |             |          |
|                 |                  | <u>ii</u> |          |                          |                        |                           |           |             |          |
|                 |                  |           | 0 × 1    | 3.                       |                        |                           |           |             |          |
|                 |                  |           |          | 2000<br>2000 - 4         |                        |                           |           |             |          |
| =               |                  |           |          | 1                        |                        |                           |           | - 13<br>2   |          |
|                 |                  |           |          |                          |                        |                           |           |             |          |
|                 |                  |           |          |                          |                        | z = z                     |           |             |          |
|                 |                  |           |          |                          |                        |                           | 20<br>    |             |          |
|                 |                  |           |          |                          | 100 B 2                |                           |           |             |          |

Purge data continued on next sheet?

Signature

Page 2 of 2



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#### **GROUNDWATER SAMPLING FIELD DATA SHEET**

WELL ID: <u>MW-37 Zone 1</u>

| 1. PROJECT INFORMATION                                                                                                                                                                                          |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Project Number: <u>138670</u> Task Number: <u>200.001</u> Area of Concern:                                                                                                                                      |             |
| Client: Owens Corning Personnel: DM                                                                                                                                                                             |             |
| Project Location: Anderson, South Carolina Weather: ~45 F Sun -                                                                                                                                                 |             |
| 2. WELL DATA Date Measured:Time:                                                                                                                                                                                | <b>á</b> No |
| Casing Diameter: 1 inches Type: 39 PVC C Stainless Galv. Steel C Teflon® C Other:                                                                                                                               |             |
| Screen Diameter: 1inches Type: grvC C Stainless C Galv. Steel C Teflon® C Other:                                                                                                                                |             |
| Total Depth of Well: <u>195</u> feet From: <b>2</b> Top of Well Casing (TOC) C Top of Protective Casing C Other:                                                                                                | - 1         |
| Depth to Static Water: 19.91 feet From: 12 Top of Well Casing (TOC) Top of Protective Casing Other:                                                                                                             | - 1         |
| Depth to Product:feet From:  Top of Well Casing (TOC)  Top of Protective Casing  Other:                                                                                                                         | - 1         |
| Length of Water Column: 1755 reet Well Volume: 7.8 gal Screened Interval (from GS):                                                                                                                             | ai/ft       |
| 3 PURGE DATA Date Purged: 2/15/11 Time: 1123 Equipment Mode                                                                                                                                                     |             |
| Burge Method: Bailer, Size: X Bladder Pump D 2* Sub. Pump D 4* Sub. Pump                                                                                                                                        |             |
| Centrifugal Pump      Peristaltic Pump      Inertial Lift Pump      Other     2     DRT      //     //     CE                                                                                                   |             |
| Materials: (Pump/Bailer Dedicated Prepared Off-Site Field-Cleaned Disposable                                                                                                                                    | Pump (stan  |
| Materials: Rope Tubin 2 Polyethylene Polypropylene Teffon® Nylon Other S                                                                                                                                        |             |
| Volume to Purge (minimum):                                                                                                                                                                                      |             |
| Was well purged dry?  Yes Y No Pumping Rate: gal/min Calibrated? X Yes                                                                                                                                          | 9           |
| Cum. Gallons pH Temp Spec. Cond. ORP DO Turbidity                                                                                                                                                               |             |
| TimeRemoved<br>(gal) $\pm 0.1 \text{ su}$ $\pm 2^{\circ}C$ > of $\pm 3\%$ or<br>$\pm 10 \ \mu\text{S/cm}$ > of $\pm 10\%$ or<br>$\pm 20 \ \text{mV}$ > of $\pm 10 \ \text{NTU}$ Water LevelComments<br>Comments |             |
| 1148 VSI Full 7.54 14.48 0.810 -159.0 2.19 1.83 20.6                                                                                                                                                            | _           |
| 1153 0.05 7.54 14.67 0.912 -159.7 1.61 2.29 21.45'                                                                                                                                                              |             |
| 1158 0.1 7.56 14.78 31.007-163.8 1.06 2.50 23.4'                                                                                                                                                                |             |
| 1203 0.15 7.55 14.76 1.0134 -167.4 0.85 2.37 24.3                                                                                                                                                               |             |
| 1213 0.25 7.58 14.98 1.074 -177.3 0.52 2.53 27.2                                                                                                                                                                |             |
| Purge data continued on next sh                                                                                                                                                                                 | eet? ダ      |
| 4. SAMPLING DATA                                                                                                                                                                                                |             |
| Method(s):                                                                                                                                                                                                      | 9/1         |
| Materials: PumpBailer # Polyethylene Stainless 	PVC 	Teflor@ 	Other:                                                                                                                                            | g/L         |
| National Dedicated Prepared Off-Site S Field-Cleaned Disposable                                                                                                                                                 | οσA         |
| Materials Tubing Rope Brokening a Prepared Off-Site D Field-Cleaned D Disposable                                                                                                                                | .92         |
| Depth to Water at Time of Sampling: 46.75 Field Filtered? Q Yes Q No                                                                                                                                            | ig/L        |
| Sample ID: XW-37 Sample Date: 2/15/11 Sample Time: 1330 # of Containers: Alkalinity:                                                                                                                            | g/L         |
| Duplicate Sample Collected? Yes 2 No ID: # of Containers:                                                                                                                                                       |             |
| Equipment Blank Collected?  Yes  Ko ID: # of Containers:                                                                                                                                                        |             |
| 5. COMMENTS <u>Purged for &gt; 2 hrs (pump on C 1123)</u>                                                                                                                                                       |             |
|                                                                                                                                                                                                                 |             |
| Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                              |             |
| -DAL                                                                                                                                                                                                            |             |
| FORM GW-2 (Rev 25. Sept.08 - sei) Page of Signature                                                                                                                                                             |             |



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WELL ID: <u>MW-37 Zone 1</u>

|      | Cum. Gailons     | pH      | Temp  | Spec. Cond.              | ORP                    | DO                        | Turbidity |              | Ormania         |
|------|------------------|---------|-------|--------------------------|------------------------|---------------------------|-----------|--------------|-----------------|
| Time | Removed<br>(gal) | ±0.1 su | ±2°C  | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | vvater Level | Comments        |
| 228  | 0.4              | 7.58    | 15.15 | 1.082                    | -187.8                 | 0.37                      | 2.84      | 32.05        |                 |
| 1243 | 0.55             | 7.58    | 15.21 | 1.055                    | -193.4                 | 0.26                      | 2.54      | 36.2         |                 |
| 1258 | 0.7              | 7.58    | 15.26 | 1.017                    | -198.5                 | 0.21                      | 2.86      | 31.9         |                 |
| 1313 | 0.85             | 7.59    | 15.26 | 0.977                    | -204.3                 | 0.19                      | 2.72      | 43.9         |                 |
| 328  | 2. 1.0           | 7.9     | 15.17 | 0.957                    | -207.9                 | 0.18                      | 2.57      | 46.95        |                 |
| 1330 | Samole           | Colle   | cted  |                          |                        |                           |           |              |                 |
| 200  | - Carpo          |         |       |                          |                        |                           |           |              |                 |
|      |                  |         |       |                          |                        |                           |           | •            |                 |
|      |                  |         | 1.201 |                          |                        |                           |           |              |                 |
|      | 1.               |         |       |                          |                        |                           | 1         |              |                 |
|      |                  |         |       |                          |                        |                           |           |              |                 |
|      |                  |         | -     |                          |                        |                           |           |              |                 |
|      |                  |         |       |                          |                        |                           |           |              |                 |
|      |                  |         |       |                          |                        |                           |           |              |                 |
|      |                  |         |       | -                        |                        |                           |           |              |                 |
|      |                  |         |       |                          |                        |                           |           |              |                 |
|      |                  |         | -     | -                        |                        |                           |           |              |                 |
|      | -                | •       |       |                          |                        |                           |           |              |                 |
|      | •                |         |       |                          |                        |                           |           |              |                 |
| -    |                  |         |       |                          |                        |                           |           |              |                 |
|      |                  |         |       |                          |                        | 1                         |           |              |                 |
|      |                  |         |       |                          |                        |                           |           |              |                 |
|      |                  |         |       |                          |                        |                           |           |              |                 |
|      |                  |         |       |                          |                        |                           |           |              | - market define |
|      |                  |         |       |                          |                        |                           |           |              |                 |
|      |                  |         |       |                          |                        |                           |           |              |                 |
|      |                  |         |       |                          |                        |                           |           |              |                 |
|      |                  |         |       |                          |                        |                           |           |              |                 |
|      | 1.1.1.1.1.1      |         |       |                          | 1                      |                           |           |              |                 |



WELL ID: <u>MW-37 Zone 2</u>

| Proje<br>Client<br>Projec<br>2. WE | ct Number: _1<br>:: <u>Owens C</u> | <u>138670</u><br>ornina | Task N                             | umber: <u>200</u>                | .001                                      | Area of O                       |                 |                |                                       |
|------------------------------------|------------------------------------|-------------------------|------------------------------------|----------------------------------|-------------------------------------------|---------------------------------|-----------------|----------------|---------------------------------------|
| Client<br>Projec<br>2. WE          | : <u>Owens C</u>                   | ornina                  |                                    |                                  |                                           |                                 | 20000101        |                |                                       |
| Projec<br>2. WE                    | at Lonation. A                     |                         |                                    |                                  | e.                                        | Personnel                       | . JAU           |                |                                       |
| 2. WE                              | of Location:                       | Inderson                | South C                            | arolina                          |                                           | Weather                         | -607            |                | (1.1                                  |
|                                    |                                    |                         | Data                               | Accession of the                 | MCLA                                      | rreamer                         |                 |                | Ling                                  |
| Casin                              | n Diameter                         | 1                       | Uale r                             | Tupo T                           | 17.64.20                                  | Time:                           | 149             | Те             | emporary Well: QYes CINo              |
| Scree                              | n Diameter                         |                         | inches                             | Type: G                          | rvo a staini                              | ess 🛛 Galv. St                  | eel 🛛 Teflon    | B D Other:     | ( (                                   |
| Total [                            | Depth of Well                      | 232                     | foot                               | From: of                         |                                           | ess Li Galv. St                 | eel 🛛 Teflorx   | D Other        |                                       |
| Depth                              | to Static Wat                      | - 16.49                 |                                    | From: of                         | Top of Well Cas                           |                                 | Top of Prote    | tive Casing    | Other:                                |
| Depth                              | to Product.                        |                         | reet                               | From: D                          | Top of Well Cas                           |                                 | Top of Protec   | tive Casing    | C Other:                              |
| Lenath                             | of Water Col                       | umn 415.                | 5600                               |                                  |                                           |                                 | Top of Protec   | tive Casing    | Other:                                |
|                                    |                                    |                         | <u>-</u> 1661                      | Note: 1-in w                     | ne: <u>\$ •0 -1</u><br>ell = 0.041 gal/ft | gal<br>2• <i>in well = 0</i> .1 | Screened        | Interval (from | m GS):                                |
| 3. PUR                             | GE DAT                             | Ą                       | Date P                             | urged 1                          | F.L. 2011                                 | Time: 12                        |                 | weii = 0.867 g | aνπ 6-in well = 1.469 gal/ft          |
| Purge I                            | Method:                            | Bailer, Size:           |                                    | Bladder Pur                      | mp [] 2" Sub. I                           | UME<br>Pump4"Su                 | b. Pump         |                | Equipment Model(s)                    |
| Matoria                            | u u                                |                         | mp u Pensi<br>thviene @ <b>r</b> S | tainiese 🗆 PV/                   | Inertial Lift Pum                         | p 🖬 Other: 🥂                    | Blad            | 1. /2          | or the and                            |
| wateria                            | iis. Fump/baii                     | er 🗆 Dedic              | ated D                             | Prepared Off-Si                  | te Creichcle                              | aned Dibisp                     | osable          | 2              | Sking Lips 3000                       |
| Materia                            | Is: Rope/Tubi                      | ng Dedic                | thylene DP<br>ated DPre            | olypropylene (<br>pared Off-Site | Tellon® D N                               | lylon D Other.                  | -               | 3              | YSI 656 MPS                           |
| Volume                             | to Purge (mir                      | nimum):                 | well                               | volumes or _                     |                                           | gallons                         | 1DIG            | 4. <u></u> 2   | RT-ISCE                               |
| Was we                             | ell purged dry?                    | Yes                     | CI No                              | Pumping Ra                       | ate:                                      | gal/min                         |                 |                | Calibrated?                           |
| Time                               | Cum. Gallons                       | s pH                    | Temp                               | Spec. Cond.                      | . ORP                                     | DO                              | Turbidity       | 1              |                                       |
|                                    | (gal)                              | ±0.1 su                 | ±2°C                               | > of ±3% or<br>±10 µS/cm         | > of ±10% or<br>±20 mV                    | > of ±10% or<br>±0.2 mg/L       | ≤ 10 NTU        | Water Level    | Comments                              |
| 118                                | Stre                               |                         |                                    |                                  |                                           |                                 |                 | 1654           | Clear                                 |
| 136                                | YSI FUL                            | 7.34                    | 11.14                              | 0.184                            | -111.2                                    | 2.82                            | 20.4            | 16.67          | "                                     |
| 145                                | 0.1                                | 7.63                    | 15.96                              | 0.183                            | -94.1                                     | 1.39                            |                 | 16.67          |                                       |
| 155                                | 0.2                                | 7.61                    | 15.85                              | 0.183                            | - 87.8                                    | 1.06                            | 18.9            | 16 65          |                                       |
| 505                                | 0.3                                | 7.64                    | 15.83                              | 0.184                            | -84.2                                     | 0.91                            |                 | 1611           |                                       |
|                                    |                                    |                         |                                    |                                  |                                           |                                 |                 | Purce data     |                                       |
| SAMP                               | LING DA                            | TA                      |                                    | 1.1.1                            |                                           |                                 |                 | Geesh          |                                       |
| Method(s                           | ): D Bail                          | ler, Size:              |                                    | Bladder Pump                     | 0 2" Sub. Pur                             | p 🖸 4" Sub. F                   | ump             | Geoch          | emical Analyses                       |
| Materials:                         | Pump/Bailer                        | C Polyethy              | ene Stain                          |                                  | Teflon® D                                 | Other:                          |                 | Ferrou         | s Iron:/mg/L                          |
|                                    |                                    | Dedicate                | d 🖸 Prep                           | pared Off-Site                   | Field-Cleane                              | d 🖸 Disposal                    | ble             | DO:            | / mg/L                                |
| waterials:                         | ubing/Rope                         | Dedicated               | ene 🗆 Polyp<br>d 🖸 Prepar          | ed Off-Site                      | eflon® C Nylor<br>Field-Cleaned           | Other.                          |                 | Nitrate:       | mg/L                                  |
| Depth to V                         | Nater at Time                      | of Samplin              | g:                                 | <del>77 -</del> F                | Field Filtered?                           | Q Yes d                         | No              | Sulfate        | mg/L                                  |
| Sample IC                          |                                    | Sample Dat              | e                                  | Sample Ti                        | me: 1620                                  | # of Containe                   | ers: <u>2</u> = | Alkalinii      |                                       |
| Juplicate :                        | Sample Collec                      | cted?  Ye               | es 🖆 No                            | ID:                              |                                           | # of Containe                   | rs:             |                | · · · · · · · · · · · · · · · · · · · |
| quipment                           | t Blank Collec                     | ted? I Ye               | es or No                           | ID:                              |                                           | # of Containe                   | rs:             |                |                                       |
| COMM                               | ENTS ·                             | Enmhe                   | @ ~100                             | · · A                            | . ۵ شماد مرد                              | 1, 1                            |                 | :<br>// //     |                                       |
| whig                               |                                    |                         |                                    | <i></i> /#                       | hub                                       | 15 A 5                          | ween of         | velle y        | / - 130° . F                          |
| /                                  |                                    |                         | 2                                  |                                  | · · ·                                     |                                 |                 |                |                                       |
| Include cor                        | mments such as                     | well conditio           | n, odor, pres                      | ence of NAPL, o                  | or olher items no                         | t on the field dat              | a sheet,        |                |                                       |
|                                    |                                    |                         |                                    |                                  | 10.00                                     |                                 |                 |                |                                       |



WELL ID: \_\_\_\_\_ MW-37 Zone 2

| rund                 |             | OH I    | Temp  | Spec. Cond.              | ORP                    | DO                        | Turbidity | Water Loval  | Comments |
|----------------------|-------------|---------|-------|--------------------------|------------------------|---------------------------|-----------|--------------|----------|
| Time                 | Removed     | ±0.1 su | ±2°C  | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | vvater Level |          |
|                      |             | 174     | 15.76 | 0.184                    | - 81.1                 | 0.88                      | 20.9      | 16.67        |          |
| <u> (15</u>          | 0.5         | 11      | 15.72 | 0.185                    | -79.6                  | 0.70                      | 21.1      | 16.65        |          |
| <u>313</u><br>(75    | 0.7         | 193     | 15.79 | 0.185                    | -79.5                  | 0.77                      | 19.3      | 16.66        |          |
| 3.32                 | 08          | 8.39    | 15.82 | 0.189                    | -81.7                  | 1.01                      |           | 1667         |          |
| <u>&gt;4&gt;</u><br> | 0.9         | 869     | 15.95 | 0.193                    | -87.3                  | 0.81                      | 16.7      | 16.62        |          |
| 505                  | 1.0         | 890     | 15.78 | OAZ                      | -90.7                  | 0.72                      | 16.3      | 16.64        |          |
| 115                  | 1.1         | 902     | 15.67 | 0.202:                   | - 92.7                 | 0.80                      | 16.4      | 16.65        |          |
| 615                  | Same I      |         |       |                          |                        |                           |           |              |          |
| 6.10                 |             |         |       |                          |                        |                           |           | -            |          |
| <u></u>              | -           |         |       |                          |                        |                           | 1         |              |          |
| ,                    |             |         |       |                          |                        |                           |           |              | v        |
|                      |             |         |       | 2. m i                   | ·····*%                |                           |           |              |          |
|                      | 1 2 2       | 2       |       |                          |                        |                           |           |              |          |
| <u>.</u>             |             | 2 2     |       | 1.10                     |                        |                           |           |              |          |
|                      | (a. 15      |         |       |                          |                        |                           |           | a            |          |
|                      |             | 1       | +     |                          | 5                      | - 10                      |           |              |          |
|                      | <del></del> | +       |       |                          |                        |                           |           | 6 1          |          |
|                      |             |         | 8     |                          | * 5                    |                           |           |              |          |
|                      |             |         |       |                          |                        |                           |           |              |          |
|                      | _           |         |       |                          | , E                    |                           |           |              |          |
| - N                  | -           | +       |       | 74                       | _                      |                           |           |              |          |
|                      |             | -       | +     | +                        |                        |                           | :         |              |          |
|                      |             | +       | +     |                          |                        |                           | 3.00      |              |          |
|                      | _           |         |       |                          |                        |                           |           |              |          |
|                      | -           |         |       |                          |                        |                           |           |              |          |
|                      |             |         |       |                          | _                      |                           |           |              |          |
| <u> </u>             |             |         | _     |                          |                        | _                         |           |              | - · · ·  |
|                      |             |         |       |                          |                        |                           |           |              |          |

Purge data continued on next sheet?

Page 2 of 2

# BROWNELE

#### **GROUNDWATER SAMPLING FIELD DATA SHEET**

WELL ID: \_\_\_\_\_MW-37 Zone 3\_\_\_\_\_

| 1. PRC                                | JECT INF          | ORMA                          | TION           |                                 |                                    |                            |                                                                                                                 |                 |                               |
|---------------------------------------|-------------------|-------------------------------|----------------|---------------------------------|------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------|
| Project                               | Number: <u>13</u> | 8670                          | _ Task Nur     | nber: <u>200.0</u>              | 01                                 | Area of Cor                | cern:                                                                                                           |                 |                               |
| Client:                               | Owens Cor         | ning                          |                | -                               |                                    | Personnel:_!               | jom                                                                                                             |                 |                               |
| Project                               | Location: An      | derson,                       | South Ca       | rolina                          |                                    | _Weather:_C                | ter ~                                                                                                           | 60 m            |                               |
| 2. WEL                                | L DATA            |                               | Date M         | easured: /                      | 1.756.2011                         | _ Time: _//1               | 51                                                                                                              | Ťen             | nporary Well: DYes SNo        |
| . Casing                              | Diameter:         | _1in                          | ches           | Туре: 🖬 Р                       | C C Stainles                       | s 🔾 Galv. Stee             | el 🔾 Tellon®                                                                                                    | Other           |                               |
| Screen                                | Diameter:         | <u>1</u> in                   | ches           | Туре: 🖒 Р\                      | /C C Stainles                      | is 🛛 Galv. Stee            | al 🗆 Tellon®                                                                                                    | C Other:        |                               |
| Total D                               | epth of Well:_    | 272                           | _feet          | From: 🗭 T                       | op of Well Casi                    | ng (TOC)                   | Top of Protect                                                                                                  | ive Casing      | ] Other:                      |
| Depth t                               | o Static Water    | 10.42                         | _feet          | From: 🖻 T                       | op of Well Casi                    | ng (TOC) 🖸                 | Top of Protect                                                                                                  | ive Casing      | ] Other:                      |
| Depth t                               | o Product:        |                               | _feet          | From: D T                       | op of Well Casi                    | ng (TOC) 🛛 🖸               | Top of Protect                                                                                                  | ive Casing      | ) Other:                      |
| Length                                | of Water Colur    | mn: <b>251,5</b>              | feet           | Well Volum                      | e: 42.01                           | gal                        | Screened                                                                                                        | Interval (from  | n GS):                        |
|                                       |                   |                               |                | Note: 1-in wei                  | l = 0.041 gal/ft                   | 2-in well = 0.16           | 67 gal/ft 4-in i                                                                                                | well = 0.667 ga | l/ft 6-in well = 1.469 gal/ft |
| 3. PUR                                | GE DATA           |                               | Date Pu        | irged: 15.1                     | F.4. 11                            | _Time: _/(                 | 20                                                                                                              |                 | Equipment Model(s)            |
| Purge N                               | Aethod: Cer       | ailer, Size:<br>trifugal Purr | ip I Perista   | SBladder Pum<br>litic Pump 🖸 In | p 🖸 2° Sub. P<br>Iertlal Lift Pump | ump 🔲 4* Sub               | . Pump                                                                                                          | ⊐. <u>4</u>     | SI SSC MPS                    |
| " Materia                             | ls: Pump/Baile    |                               | hylene GrSta   | ainless D PVC                   | C Teflon® (                        | Other:                     |                                                                                                                 | 2. <u>O</u>     | RT-ISCE                       |
| Matoria                               | le: Pono/Tubin    |                               | nviene OLPo    | ivpropylene                     |                                    | vion Cl Other              | sadle                                                                                                           | <u>з. </u> Н    | in Skay Digge De-             |
| Wateria                               |                   | 9 🛛 Dedica                    | ted O Prep     | ared Off-Site                   | C Field-Cleane                     | d a Disposa                | ble                                                                                                             | 4. 1*           | Platter Rung                  |
| Volume                                | to Purge (mini    | mum):                         | weii v         | olumes or                       |                                    | gallons                    |                                                                                                                 |                 |                               |
| Was we                                | Il purged dry?    |                               | U No           | Pumping Ra                      | te:                                | gal/min                    | <u></u>                                                                                                         | 8               | Calibrated? UFYes U           |
| Time                                  | Removed           | pn                            | remp           | > of +3% or                     | > of +10% or                       | DU                         | lurbidity                                                                                                       | Water Level     | Comments                      |
| L                                     | (gal)             | ±0.1 su                       | ±2°C           | ±10 µS/cm                       | ±20 mV                             | ±0.2 mg/L                  | ≤ 10 NTU                                                                                                        |                 |                               |
| 1708                                  | Ster              |                               |                |                                 |                                    |                            |                                                                                                                 | 15.52           |                               |
| 1726                                  | ISI FU            | 7.91                          | 14.95          | 0.222                           | -117.3                             | 6.31                       |                                                                                                                 | 19.5            | Clur                          |
| 1735                                  | 0.1               | 7.12                          | 14.87          | 0.233                           | - 116.3                            | 309                        | 8.79                                                                                                            | 20.96           | •                             |
| 1745                                  | 0.2               | 3.67                          | 14.83          | 0.235                           | - 105.0                            | 2.68                       | -                                                                                                               | 24.13           | 15                            |
| 1755                                  | 0.3               | 6.42                          | 14.74          | 0.232                           | -96.9                              | 2.58                       |                                                                                                                 |                 | <b>1</b> 8                    |
| · · · · · · · · · · · · · · · · · · · | 28 - 56<br>       |                               |                |                                 | 5                                  |                            | •                                                                                                               | Purge data      | a continued on next sheet?    |
| 4. SAMF                               | PLING DA          | ТА                            |                | ,                               |                                    |                            |                                                                                                                 | <u>Geoch</u>    | nemical Analyses              |
| Method(s                              | s): 🛛 Bail        | er, Size:<br>ifugal Pump      | Peristalti     | Bladder Pump<br>c Pump 🖸 iner   | CI 2" Sub. Pun<br>tial Lift Pump C | np 🛛 4" Sub. F<br>I Other: | omb                                                                                                             | Ferrou          |                               |
| Materials                             | : Pump/Bailer     | C Polyethy                    | lene 🗹 Stain   |                                 | Teflon® D                          | Other:                     |                                                                                                                 | DO:             | mal                           |
| Materiala                             | Tubina (Dana      | Dedicate                      | a UPrej        | pared Ult-Site                  | Har Field-Clean                    | ed 🛛 Disposa               | ble                                                                                                             | Nilanaa         |                               |
| wateriais                             | : rubing/Hope     | C Dedicate                    | d D Prepar     | red Off-Site                    | Field-Cleaned                      | Disposable                 | te the second | Nitrate         |                               |
| Depth to                              | Water at Time     | of Samplir                    | ng:            |                                 | Field Filtered                     | ? 🗆 Yes of                 | No =                                                                                                            | Sulfate         | :: mg/L                       |
| Sample I                              | D:100 64 Z        | Sample Da                     | te: 10/16      | Sample Ti                       | me: /550                           | # of Contain               | ers:                                                                                                            | Alkalin         | ity: mg/L                     |
| Duplicate                             | Sample Collec     | cted?□ Y                      | es 🗹 No        | ID:                             | <u> </u>                           | # of Containe              | ers:                                                                                                            |                 |                               |
| Equipme                               | nt Blank Collec   | ted? DY                       | es el No       | ID:                             |                                    | # of Containe              | ers:                                                                                                            | —               |                               |
| 5. COM                                | AENTS             | Inth (                        | ~ 100'         | 2.4.5                           |                                    |                            |                                                                                                                 |                 |                               |
|                                       |                   | 1.6                           |                |                                 |                                    |                            |                                                                                                                 |                 |                               |
|                                       |                   |                               |                |                                 |                                    |                            |                                                                                                                 |                 |                               |
| Vote: Include c                       | omments such as   | s well conditi                | on, odor, pres | sence of NAPL,                  | or other items n                   | ot on the field da         | ita sheet.                                                                                                      |                 |                               |
|                                       |                   |                               |                |                                 |                                    | A                          | SAL                                                                                                             | $\sim$          |                               |
| FORM GW-2                             | (Rev 25.Sept.08   | ) - sej)                      |                | Bane                            | 1 .1                               |                            | gnature                                                                                                         |                 |                               |



WELL ID: <u>MW-37 Zone 3</u>

| Timo | Cum. Gallons | рн      | Temp  | Spec. Cond.              | ORP                    | DO                        | Turbidity |             |          |
|------|--------------|---------|-------|--------------------------|------------------------|---------------------------|-----------|-------------|----------|
|      | (gal)        | ±0.1 su | ±2°C  | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level | Comments |
| 1605 | 0.4          | 6.24    | 14.53 | 0.228                    | -90.1                  | 2.66                      | 9.14      | 3301        | Clear    |
| 1815 | 0.6          | 6.22    | 14.36 | 0.225                    | - 87.4                 | 2.76                      | 14        |             | 11       |
| 1825 | 0.75         | 6.19    | 14.23 | 0.225                    | -85.9                  | 2.93                      | 5.98      | 39.17       | 11       |
| 1915 | 1830         |         |       |                          |                        |                           |           | 1 11        | Sand     |
| 1845 |              |         |       |                          |                        | -                         |           |             | 1        |
| 1855 |              |         |       |                          |                        |                           |           |             |          |
| 1905 |              |         |       | 1 <sup>5</sup> 1         |                        |                           |           |             |          |
|      |              |         | -     |                          |                        |                           |           |             |          |
|      |              |         |       | 1.                       | ·                      |                           |           |             |          |
|      |              |         | <     |                          |                        | 2-                        |           |             |          |
|      |              |         |       |                          |                        | <                         | 5 m       |             |          |
|      |              |         | 8 1   |                          |                        |                           |           |             |          |
|      | 8            |         |       |                          |                        |                           |           |             |          |
|      |              |         |       |                          |                        |                           |           |             | 6        |
|      |              |         |       |                          |                        |                           |           | •           | 19       |
|      |              |         |       |                          |                        |                           |           |             |          |
| -    |              | .*      |       |                          |                        |                           |           |             |          |
|      |              | •       | 2     |                          | * III * -              |                           |           |             |          |
|      |              |         | =     |                          |                        |                           |           |             |          |
|      |              |         | Č-    |                          |                        |                           |           |             |          |
|      |              |         |       |                          |                        |                           |           |             |          |
|      |              |         | 5     |                          |                        |                           |           |             |          |
|      |              |         |       |                          | - 8                    |                           |           |             |          |
|      |              |         |       |                          |                        |                           |           |             |          |
|      |              |         |       |                          |                        |                           |           |             |          |
|      |              |         |       |                          |                        |                           |           |             |          |
|      |              |         |       |                          |                        |                           |           |             |          |

Purge data continued on next sheet?

Pare 2 of 2 Agnature

#### BROWN AND CALDWELE

#### **GROUNDWATER SAMPLING FIELD DATA SHEET**

WELL ID: <u>MW-38 Zone 1</u>

| 1. PRC          | DJECT IN                | FORMA                    | TION                         |                                  |                                     |                                |                |                        |                               |
|-----------------|-------------------------|--------------------------|------------------------------|----------------------------------|-------------------------------------|--------------------------------|----------------|------------------------|-------------------------------|
| Projec          | t Number: <u>13</u>     | 8670                     | _ Task Nu                    | mber: <u>200.(</u>               | 001                                 | _ Area of Co                   | ncern:         |                        |                               |
| Client:         | Owens Co                | rning                    |                              |                                  |                                     | Personnel                      | BAT            | DH DH                  |                               |
| Projec          | t Location: Ar          | derson,                  | South Ca                     | arolina                          |                                     | Weather:                       | ~ 55°F         | Sunnay (               | lear                          |
| 2. WEI          | L DATA                  |                          | Date M                       | leasured: [                      | 4. F.L. 11                          |                                | 136            | Ter                    | moorany Well: DVes CM         |
| Casing          | Diameter:               | _1in                     | ches                         | Type: 🗹 P                        | VC 🖸 Stainle                        | ss 🖾 Galv. Ste                 | el 🗆 Teflon®   | ) [] Other:            |                               |
| Screer          | Diameter:               | 1in                      | ches                         | Туре: 🛃 Р                        | VC 🛛 Stainle                        | ss 🛛 Galv. Ste                 | el 🖸 Tefion®   | Other:                 |                               |
| Total D         | Depth of Well:_         | 430                      | _feet                        | From: T                          | op of Well Casi                     | ing (TOC) 🛛                    | Top of Protect | tive Casing            | Cther:                        |
| Depth           | to Static Water         | 1 1 2 "                  | _ieet                        | From: OF T                       | op of Well Casi                     | ing (TOC)                      | Top of Protect | live Casing [          | Other:                        |
| Depth           | to Product:             |                          | _feet                        | From: 🗆 T                        | op of Well Casi                     | ing (TOC)                      | Top of Protect | tive Casing            | □ Other:                      |
| Length          | of Water Colu           | mn: <u>929.9</u>         | feet                         | Well Volum                       | e: <u>17.63</u><br>ll = 0.041 cal/# | gai<br>2-in well = 0.1         | Screened       | Interval (from         | n GS):                        |
| 3 PUB           |                         |                          | Date Pi                      | rand: 2/                         | 11 /u                               |                                |                | well = 0.067 g         | al/π 6-in well = 1.469 gal/ft |
| Purge I         |                         | ailer, Size: _           |                              | Bladder Pum                      | ip 2" Sub. F                        | _ Inne:<br>Pump © 14" Suit     | D. Pump        |                        | Equipment Model(s)            |
| , arge ,        |                         | ntrifugal Purr           | np 🖸 Perista<br>hvlene 🚟 Sta | altic Pump 🔲 In                  | ertial Lift Pump                    | Other:                         | ·              | 1                      | OF OLLO                       |
| Materia         | lis: Pump/Baile         |                          | ited Q P                     | repared Off-Site                 | Field-Cle                           | aned Dispo                     | sable          | 2                      | NOT IS IN                     |
| Materia         | Is: Rope Tubin          | Polyeth                  | nylene 🔾 Po<br>ited 🔾 Prep   | ilypropylene 🛛<br>pared Off-Site | I Tefion® 🛛 N<br>G Field-Cleand     | ylon 🛛 Other:_<br>ed 🖪 Disposa | ible           | 3                      |                               |
| Volume          | to Purge (mini          | imum): M                 | impunger                     | volumes or                       |                                     | gallons                        |                | 4                      |                               |
| Was we          | ell purged dry?         | Q Yes                    | X No                         | Pumping Ra                       | te:                                 | gal/min                        |                |                        | Calibrated? XYes 🗆            |
| Time            | Cum. Gallons<br>Removed | pH                       | Temp                         | Spec. Cond.                      | ORP                                 | DO                             | Turbidity      | Water Level            | Commente                      |
|                 | (gal)                   | ±0.1 su                  | ±2°C                         | ±10 µS/cm                        | ±20 mV                              | = 01 ±10% or<br>±0.2 mg/L      | ≤ 10 NTU       | Trater Leve            | Comments                      |
| 1655            | YSI Full                | 7.74                     | 14.79                        | 0.345                            | -92.2                               | 2.27                           | 4.47           | 4.0'                   |                               |
| 1700            | 0.1                     | 7.73                     | 14.59                        | 0.346                            | -100.6                              | 1.54                           | 4.91           | 5.5'                   | <                             |
| 1705            | 0.2                     | 7.72                     | 14.34                        | 0.347                            | -104.0                              | 1.21                           | 5.02           | 7.1 '                  |                               |
| 1710            | 0.3                     | 7.71                     | 14.19                        | 0.347                            | -105.4                              | 1.05                           | 5.46           | 8.3                    |                               |
| 1725            | 0.6                     | 7.65                     | 13.77                        | 0.347                            | -111.2                              | A.63                           | 519            | IL S                   |                               |
|                 |                         |                          |                              |                                  |                                     | 0.03                           |                | Purge data             | a continued on next sheet?    |
| 4. SAMF         | PLING DA                | TA                       |                              |                                  |                                     |                                |                | Geoch                  | nemical Analyses              |
| Method(s        | s): 🛛 Baile             | er, Size:<br>ifugal Pump | Peristaltic                  | Bladder Pump<br>c Pump 🖸 Iner    | 2" Sub. Pun<br>tial Lift Pump       | np 🛛 4" Sub. F<br>Other:       | Pump           | Ferro                  | is Iron: mo/l                 |
| Materials       |                         | Polyethyl     Dedicate   | ene 🔏 Stain                  |                                  | Teflon®                             | Other:                         | <u></u>        | DO:                    | mg/L                          |
| Materials       |                         | Polyethyle               | ene 🗆 Polyp                  | propylene                        | eflon® 🖸 Nyio                       | n Other:                       | Die            | Nitrate                |                               |
| Depth to        | Water at Time           | of Samplin               | a: <b>39.</b>                |                                  | Field-Cleaned                       | X Disposable                   | Ne             | Sulfate                |                               |
| Sample I        | D: MW -38 20            | Sample Dat               | te: 2/16/11                  | Sample Ti                        | me: 1855                            | # of Containe                  |                | Alkalin                |                               |
| Duplicate       | Sample Collec           | ted? 🗅 Ye                | es 🗊 No                      | ID:                              |                                     | # of Containe                  | ərs:           |                        |                               |
| Equipme         | nt Blank Collect        | ted? 🗆 Ye                | es 🜠 No                      | ID:                              |                                     | # of Containe                  | ers:           | $\equiv$ /             | $\sim$                        |
| 5. COM          | <b>IENTS</b>            | Dum                      | مغاملهم                      | A 1.                             | <u>a</u> (                          | Deilr                          |                |                        |                               |
|                 |                         | 1m.h                     | · TAKE                       |                                  | <u>, o</u>                          | tranka t                       | rdh            | rs                     |                               |
|                 | 110                     |                          |                              |                                  |                                     |                                |                |                        |                               |
| lote: Include c | omments such as         | well conditio            | on. odor, pres               | ence of NAPL, o                  | or other items n                    | ot on the field da             | ita sheet.     |                        |                               |
|                 |                         |                          |                              |                                  |                                     |                                | VII            | $\boldsymbol{\lambda}$ |                               |



WELL ID: <u>MW-38 Zone 1</u>

| 3. PURC | E DATA       | (contin | ued fron | n page                                  | <u> </u>                                                       |                           |              |             |                    |  |
|---------|--------------|---------|----------|-----------------------------------------|----------------------------------------------------------------|---------------------------|--------------|-------------|--------------------|--|
| Time    | Cum. Gallons | рН      | Temp     | Spec. Cond.                             | ORP                                                            | DO                        | Turbidity    | Water Level | Comments           |  |
| lime    | (gal)        | ±0.1 su | ±2°C     | > of ±3% of<br>±10 µS/cm                | $1 > \text{ of } \pm 10\% \text{ or}$<br>$1 \pm 20 \text{ mV}$ | > or ±10% or<br>±0.2 mg/L | ≤ 10 NTU     |             | e                  |  |
| 1740    | 0.9          | 7.62    | 13.85    | 0.348                                   | -111.3                                                         | 0.45                      | 4.98         | 22.0        |                    |  |
| 1755    | 1.2          | 7.60    | 13.73    | 0.348                                   | -109.1                                                         | 0.41                      | 4.49         | 25.5        | Ф)                 |  |
| 1910    | 1.5          | 7.58    | 13.56    | 0.348                                   | -105.7                                                         | 0.40                      | 5.61         | 29.25       |                    |  |
| 1830    | 1.8          | 7.54    | 13.18    | 0.348                                   | -98.1                                                          | 0.41                      | 6.00         | 35.90       |                    |  |
| 14.50   | a.1          | 7.51    | 12.74    | 0.348                                   | -93.1                                                          | 0.41                      | 5.71         | 39.5        |                    |  |
| 1855    | Samo         | k co    | lleese   | d                                       |                                                                | -                         |              |             |                    |  |
| 1025    | Ť            |         |          |                                         |                                                                |                           |              |             |                    |  |
|         | 5. C         |         |          |                                         |                                                                |                           |              |             |                    |  |
|         |              |         |          |                                         |                                                                |                           | 2 K          |             |                    |  |
| _       | 1 ID 1       | -       |          |                                         |                                                                |                           | 1,1          |             |                    |  |
|         |              |         |          |                                         |                                                                |                           |              |             |                    |  |
| < **    |              |         |          |                                         |                                                                |                           |              |             |                    |  |
|         |              |         |          |                                         |                                                                | 1                         | 2 S          |             |                    |  |
|         |              | -       |          |                                         | See .                                                          |                           | 5 (b)<br>1   | ыб. — —     |                    |  |
| 0       |              |         |          | - 25                                    |                                                                |                           | n 'n         |             |                    |  |
|         |              |         |          | 2 H R                                   |                                                                |                           | 8 <b>-</b>   | 2           |                    |  |
|         |              |         |          | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |                                                                |                           | a – R        |             |                    |  |
|         |              |         |          |                                         |                                                                |                           | a <u>1</u> . |             |                    |  |
|         |              |         |          | 11.2                                    | 4                                                              |                           |              |             |                    |  |
|         |              |         | a l      |                                         |                                                                |                           |              |             |                    |  |
|         |              |         |          |                                         |                                                                |                           | 8            |             |                    |  |
|         |              |         |          |                                         |                                                                |                           |              |             | 1.5 2 2 1          |  |
|         |              |         |          |                                         | 14 5                                                           |                           |              |             |                    |  |
|         |              |         |          |                                         |                                                                |                           | . sour [     |             |                    |  |
|         |              |         |          |                                         |                                                                |                           |              |             |                    |  |
|         |              |         | 1        |                                         |                                                                |                           |              |             |                    |  |
|         |              |         |          |                                         |                                                                |                           |              |             |                    |  |
|         |              |         |          |                                         |                                                                |                           |              |             |                    |  |
|         |              |         |          |                                         |                                                                |                           |              |             | ind on part sheet? |  |



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# **GROUNDWATER SAMPLING FIELD DATA SHEET**

WELL ID: <u>MW-38 Zone 2</u>

|            | ect Number:        | 138670                         | Task                     | Number: <u>20</u>              | 0.001                       | Area of                 | Concern         |               |                                |
|------------|--------------------|--------------------------------|--------------------------|--------------------------------|-----------------------------|-------------------------|-----------------|---------------|--------------------------------|
| Cile       | nt: <u>Owens C</u> | Corning                        |                          |                                |                             | Personn                 | el: JPM         |               | ·····                          |
| Proje      | ect Location:      | Andersor                       | n, South (               | Carolina                       |                             | Weather                 | : Chen -        | - 60%         | e                              |
| 2. WE      | LL DATA            |                                | Date                     | Measured                       | 14.5611                     | Time                    | 12 . 1 .        |               |                                |
| Casii      | ng Diameter:       |                                | inches                   | Туре: 🗆                        | PVC D Stail                 |                         |                 |               | Temporary Well: Yes RN         |
| Scree      | en Diameter:       |                                | inches                   | Type:                          | PVC D Stair                 |                         | Steel LI Teflon | @ O Other.    |                                |
| Total      | Depth of Well      | 499.6                          | feet                     | From:                          |                             |                         |                 | Other:_       |                                |
| Depth      | to Static Wat      | er: +90*                       | feet                     | From: 🖸                        | Top of Well C               | asing $(TOC)$           |                 | clive Casing  | G Other                        |
| Depth      | to Product:        |                                | feet                     | From: ם                        | Top of Well C               |                         |                 | clive Casing  | Other                          |
| Lengt      | h of Water Col     | lumn: 507                      | .l <sub>feet</sub>       | Well Volu                      | me 10,70                    | <b>Y</b>                | J Iop of Protei | ctive Casing  | Other:                         |
|            |                    |                                |                          | Note: 1-in v                   | vell = 0.041 gab            | gau<br>/ft_2-in.well=0. | Screened        | Interval (fro | om GS):                        |
| 3. PUF     | RGE DAT            | A                              | Date F                   | Purged: 14                     | . F.L. 11                   | Time: /                 | 7/5-            | Wen = 0.007   | gavit 6-in well = 1.469 gal/it |
| Purge      | Method:            | Bailer, Slze:<br>entrifugal Pu | mp Q Peris               | Bladder Pu                     | mp 0 2" Sub.                | Pump 04 S               | ub. Pump        |               | Equipment Model(s)             |
| Materia    | als: Pump/Bail     | er D Polye                     | thylene OS               | itainless () PV                | C D Teflor®                 | np ErOther              |                 | 1.            | SI STE AM                      |
| Motoria    |                    | Dedic                          | ated D                   | Prepared Off-S                 | ite D Field-Cl              | leaned @ Disp           | osable          | 2             | URT-ISCE                       |
| Materia    | us: Hope/ lubi     | ng Dedic                       | ated D Pre               | olypropylene<br>pared Off-Site | □ Tefion® □<br>□ Field-Clea |                         |                 | 3             |                                |
| Volume     | to Purge (mir      | nimum):                        | well                     | volumes or _                   |                             | allons                  | adie            | 4             |                                |
| Was we     | ell purged dry?    | • 🛛 Yes                        | C No                     | Pumping R                      | ate:                        | _ gallons               |                 |               | Calibrated?                    |
| Time       | Cum. Gailons       | s pH                           | Temp                     | Spec. Cond                     | . ORP                       | DO                      | Turbidity       | 1             |                                |
| _          | (gal)              | ±0.1 su                        | ±2°C                     | > of ±3% or<br>±10 uS/cm       | > of ±10% o                 | r > of ±10% or          | 5 10 NTU        | Water Leve    | Comments                       |
| 738        | Sha                |                                |                          |                                | ±20 mV                      | <u>  ±0.2 mg/L</u>      |                 |               |                                |
| 1 U a      | 100                | 70.                            | 10.00                    |                                |                             |                         |                 |               | Cher. Sol. L. S. L.            |
|            |                    | 7.94                           | 16.30                    | 0.192                          | -110.5                      | 2.67                    | 0.14            | _             | 1 9 0                          |
| 103        | <b>J</b> .•        | 1.32                           | 16.32                    | 0.189                          | -1118                       | 1.13                    | 0.01            | ~             |                                |
| 18         | 11.5               | 7.35                           | 16.14                    | 0.189                          | -111.5                      | 089                     | 0.18            |               |                                |
| 49         | 16.0               | 7.40                           | 15.72                    | 0.190                          | -103.0                      | 170                     |                 |               |                                |
| 50         | Sapled .           |                                |                          |                                | 0.00                        | 0.43                    | 0.05            |               |                                |
| SAMP       | LING DA            | TA                             |                          |                                |                             |                         |                 | - Purge data  | continued on next sheet?       |
| lethod(s)  | : D Baile          | r, Size:                       |                          | Bladder Pump                   | 2" Sub. Pur                 |                         |                 | <u>Geoch</u>  | emical Analyses                |
| faterials. | Pump/Bailor        | O Polvethvie                   | Peristaltic              | Pump D Inert                   | ial Lift Pump               | Other:                  |                 | Ferrou        | s Iron:na/L                    |
|            | r umproaller       | Dedicated                      | C Prep                   | ared Off-Site                  | Teflon® =                   | Other:                  |                 | DO:           |                                |
| aterials:  | Tubing/Rope        | Polyethyle<br>Dedicated        | ne C Polypr<br>C Prenare | opylene 🖸 Te                   | flon® O Nylor               | Other                   |                 | Nitrato       |                                |
| epth to V  | ater at Time c     | of Sampling                    | r                        | F                              | ield Filterod?              | Disposable              |                 | Andrea.       |                                |
| ample ID   | 18 3               | ample Date                     | :14. F.L.                | Sample Tin                     | 1e: / 50                    | Hof Contain             | No 7            | Sulfate:      |                                |
| uplicate S | Sample Collect     | ed?□ Yes                       | s GT No                  | ID:                            |                             | # of Containe           | rs: <u>~</u>    | _ Alkalinit   | y: mg/L                        |
| uipment    | Blank Collecte     | ed? 🗆 Yes                      | No No                    | ID:                            | _                           | # of Container          | s:              | -             |                                |
| OMM        | INTS               |                                |                          |                                |                             | " or container          | s:              | -             |                                |
|            |                    |                                |                          |                                | ¥., –                       |                         |                 |               |                                |
|            |                    |                                |                          |                                |                             |                         |                 |               |                                |
| clude com  | ments such as w    | ell condition.                 | odor, preser             |                                | Other its                   |                         |                 | 1-5-1         |                                |
|            |                    |                                |                          |                                | SUCCE HAMPE AND             | on the Full to          |                 |               |                                |



WELL ID: <u>MW-38 Zone 2</u>

|                 | Cum. Gallons     | pH               | Temp | Spec. Cond               |                        | 00                        | Truck 1.414           |             |          |
|-----------------|------------------|------------------|------|--------------------------|------------------------|---------------------------|-----------------------|-------------|----------|
| Time            | Removed<br>(gal) | ±0.1 su          | ±2°C | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | Turbidity<br>≤ 10 NTU | Water Level | Comments |
|                 |                  |                  |      |                          |                        |                           |                       |             |          |
|                 |                  |                  |      |                          | 11 N                   |                           | 1.11                  |             |          |
|                 | 1.2              |                  |      |                          | 20                     |                           |                       |             | 8        |
|                 |                  |                  | 0    |                          | -                      |                           |                       |             |          |
|                 |                  |                  |      |                          |                        |                           |                       |             |          |
| 6               |                  |                  |      |                          | ÷ .                    |                           |                       |             |          |
|                 |                  |                  | 3.   |                          |                        |                           |                       |             |          |
|                 |                  |                  | a    |                          |                        |                           |                       |             |          |
|                 |                  |                  |      |                          |                        |                           |                       |             |          |
| -               | - 6 - 2 -        |                  |      |                          |                        | 20                        | +                     |             |          |
|                 |                  |                  |      |                          |                        | 12                        |                       |             |          |
|                 |                  |                  |      |                          |                        |                           |                       |             |          |
|                 |                  |                  |      |                          |                        |                           |                       |             |          |
| -               |                  |                  |      |                          |                        |                           |                       |             |          |
|                 | 1999 - C         |                  |      |                          |                        |                           |                       |             |          |
|                 | ·                |                  |      |                          |                        |                           |                       |             |          |
| 12              | ···              |                  |      |                          |                        |                           |                       |             |          |
|                 |                  |                  |      |                          |                        |                           |                       |             |          |
|                 |                  |                  |      |                          |                        | •                         | a                     |             |          |
|                 |                  |                  | 1 -  | N. 5                     |                        | 0.                        |                       |             |          |
|                 |                  | 2 ( <sup>1</sup> | 2    |                          |                        |                           |                       |             |          |
|                 |                  |                  |      |                          |                        |                           |                       |             |          |
| -               |                  |                  | 1.0  |                          |                        |                           |                       |             |          |
|                 |                  |                  |      |                          |                        |                           |                       |             |          |
|                 |                  |                  |      |                          |                        |                           |                       |             |          |
|                 |                  |                  |      |                          |                        |                           |                       |             |          |
| ~ <sup>12</sup> |                  |                  |      |                          |                        |                           |                       |             |          |
|                 |                  |                  |      |                          |                        |                           |                       |             |          |

Purge data continued on next sheet?



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# GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: <u>MW-39 Zone 1</u>

| 1. PR         | ROJECTI            | NFÓRN                          | ATION               | 1                                |                                |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                        |
|---------------|--------------------|--------------------------------|---------------------|----------------------------------|--------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------|
| Proje         | ect Number: _      | 138670                         | Task                | Number: <u>20(</u>               | 0.001                          | Area of (                     | Concorn.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                                        |
| Clier         | nt: <u>Owens (</u> | Corning                        |                     |                                  |                                | Personn                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                        |
| Proje         | ect Location:      | Andersor                       | n, South            | Carolina                         |                                | Weather                       | · ~ 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | : P. 11         | 11.1.                                  |
| 2. WE         | LL DATA            | 1                              | Date                | Measured                         | a list                         |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | arriy           | Cloury                                 |
| Casir         | ng Diameter:       | 1                              | inches              | Type M                           | PVC D She                      | I ime: _                      | _Am                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | т               | emporary Well: QYes XNo                |
| Scree         | en Diameter:       | 1                              | inches              | Type: 10                         |                                | Wess Li Galv. S               | Steel C Teflo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | n® O Other:_    |                                        |
| Total         | Depth of Well      | :105                           | feet                | From: 1                          |                                | ness Li Galv, S               | Steel C Teflor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | no® D Other     | ······································ |
| Depth         | to Static Wat      | ter: 18.25                     | feet                | From: M                          |                                | asing (TOC) [                 | J Top of Prote                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ective Casing   | Other                                  |
| Depth         | to Product:        |                                | feet                | From:                            | Top of Well C                  | asing (TOC)                   | J Top of Prote                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ctive Casing    | Q Other:                               |
| Lengt         | h of Water Co      | lumn: 86.7                     | 2 feet              | Well Volur                       | ne: 256                        |                               | I lop of Prote                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ctive Casing    | Other:                                 |
|               |                    |                                |                     | Note: 1-in w                     | ell = 0.041 gal/               | gai<br>/ft    2-in well = 0.  | Screeneo<br>167 gal/ft 4-ii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | l Interval (fro | m GS):                                 |
| 3. PUF        | RGE DAT.           | A                              | Date F              | Purged:                          | 2/16/4                         | Time                          | 010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 | ai/it 6-in well = 1.469 gal/ft         |
| Purge         | Method:            | Bailer, Size:<br>entrifugal Pu |                     | Bladder Pu                       | mp 0 2 Sub.                    | Pump Q 4'S                    | ub. Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 | Equipment Model(s)                     |
| Materia       | als: Pump/Bail     | ler D Polye                    | thylene 🛒           | Stainless D PV                   | C D Teflor@                    | npul Other:                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | _ 1             | <u>757-556</u>                         |
| Materia       |                    | U Dedic<br>Dedic               | ated 'O             | Prepared Off-Si                  | te 🎽 Field-Cl                  | leaned D Disp                 | osable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2(<br>T         | LED Bledder Kump                       |
| itialena      | No. noper up       | " G Dedic                      | ated OPre           | oppropylene (<br>spared Off-Site | Tellon® D  <br>Field-Clear     | Nylon 🖵 Other<br>ned 対 Dispos | able                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3. <u>L</u>     | <u>KT 15 (E</u>                        |
| Volume        | e to Purge (mii    | nimum):                        | Veil                | volumes or                       |                                | gallons                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4               | ····                                   |
| Was we        | ell purged dry?    | Yes                            |                     | Pumping Ra                       | ate:                           | gal/min                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 | Calibrated? 🗯 Yes 🖸                    |
| Time          | Removed            | s pr                           | lemp                | Spec. Cond.                      | ORP                            | DO                            | Turbidity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 | 1                                      |
|               | (gal)              | ±0.1 su                        | ±2°C                | ±10 µS/cm                        | > of ±10% o<br>±20 mV          | r > of ±10% or<br>±0.2 mg/L   | ≤ 10 NTU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Water Level     | Comments                               |
| 0805          | YSI Full           | 630                            | 9.99                | 0.107                            | 16.8                           | 3.81                          | 15.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 18.5            |                                        |
| 0015          | 0.05               | 6.25                           | 10.46               | 0.103                            | - 34.9                         | 2.75                          | 24.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 18.49           |                                        |
| 0825          | 0.                 | 6.30                           | 10.22               | 0.104                            | -46.3                          | 2.59                          | 25.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | K. 45           |                                        |
| 0845          | 0.2                | 6.41                           | 10.13               | 0.104                            | .46.2                          | 313                           | 199                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 16115           |                                        |
| 905           | 0.3                | 6.60                           | 11.34               | 0.106                            | -44 0                          | 371                           | 1.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 18.90           |                                        |
|               |                    |                                |                     |                                  | 17.0                           | 3.91                          | 18.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 18.5            |                                        |
| . SAMP        | LING DA            | TA                             |                     |                                  | 10.00                          |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Purge data      | continued on next sheet?               |
| Method(s)     | ): 🛛 Baile         | er, Size:                      | N Receiver          | Bladder Pump                     | 🛛 2" Sub. Purr                 | 10 4" Sub. F                  | umo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Geoche          | emical Analyses                        |
| Materials:    | Pump/Bailer        | Polyethyle                     | ene <b>11</b> Stain |                                  | ial Lift Pump                  | Other:                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ferrous         | lron: mg/L                             |
| Matariate     |                    | Dedicated                      |                     | ared Off-Site                    | Field-Cleane                   | other:<br>d                   | Die                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DO:             |                                        |
| waterials:    | 1 ubing)Rope       | Dedicated                      | Prepare             | ropylene 🛛 Te<br>ed Off-Site 🗔 ( | flon® 🛛 Nylor<br>Field-Cleaned | Other                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Nitrate:        |                                        |
| Depth to W    | Vater at Time      | of Sampling                    | 18.5                | <u>U</u> F                       | ield Filtered?                 |                               | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Sulfate         |                                        |
| Sample ID:    | <u>- mu-31 8</u>   | ample Date                     | ::2/14/11           | _ Sample Tim                     | 10: 101 0155                   | # of Containe                 | rs: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Alkett          |                                        |
| Duplicate S   | Sample Collect     | ted? 🖸 Ye:                     | s 🔊 No              | ID:                              |                                | # of Container                | rs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 | ·mg/L                                  |
| Equipment     | Blank Collecte     | ed? y Yes                      | s 🗆 No              | 10:08-0016                       | H                              | # of Container                | s: 2 ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                        |
| COMM          | ENTS               | Pump                           | Mak                 | D M                              | 1441                           |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | l.              |                                        |
|               |                    | T                              | the second second   | 6 14                             | 100'                           |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | and the second  |                                        |
| Include       |                    | _                              |                     |                                  |                                |                               | and the second s |                 |                                        |
| . include com | ments such as v    | vell condition,                | , odor, prese       | nce of NAPL, or                  | other items not                | on the field data             | sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                        |
|               |                    |                                |                     |                                  |                                |                               | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ~               |                                        |
|               |                    |                                |                     |                                  |                                |                               | 1/ /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | - 1             |                                        |



WELL ID: <u>MW-39 Zone 1</u>

| Time | Cum. Gallons     | pН            | Temp  | Spec. Cond.              | ORP                    | DO                        | Turbidity |                  |                |
|------|------------------|---------------|-------|--------------------------|------------------------|---------------------------|-----------|------------------|----------------|
| 9    | removed<br>(gal) | ±0.1 su       | ±2°C  | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level      | Comments       |
| 0925 | 0.4              | 6.72          | 12.17 | 0.107                    | -43.8                  | 3.95                      | 16.1      | 18.44            |                |
| 0950 | 0.55             | 635           | 13.53 | 0.108                    | -45.4                  | 4.09                      | 5.61      | 18.50            |                |
| 0955 | Sample           | <u>- 6011</u> | etal  | Pinge                    | d for                  | 2hrs.                     | 2.0       |                  |                |
|      |                  |               |       | Ű                        |                        |                           |           |                  |                |
|      |                  |               |       |                          | -                      |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  | 0             |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           | 0                |                |
|      |                  |               |       |                          |                        |                           |           |                  | · · · · ·      |
|      |                  |               |       |                          |                        |                           |           | 2 <sup>-</sup> - |                |
|      |                  |               |       |                          | 1                      |                           |           | 2                | Terver * s     |
|      |                  | <u> </u>      |       | ·                        |                        |                           |           | 11 C             | 1. <u>1</u> -1 |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          | 5                      |                           |           |                  | 2.00           |
|      |                  |               | •     |                          |                        |                           | 2.0       |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           |           |                  |                |
|      |                  |               |       |                          |                        |                           | . 1 C.    |                  | ·              |

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

Page 2 of 2



WELL ID: <u>MW-39 Zone 2</u>

| 1. PR          | OJECT I            | NFORM            | IATION        |                              |                                |                                        |                             |                                     |                              |
|----------------|--------------------|------------------|---------------|------------------------------|--------------------------------|----------------------------------------|-----------------------------|-------------------------------------|------------------------------|
| Proje          | ect Number:        | 138670           | Task N        | lumber: 200                  | 0.001                          | d<br>Aron of C                         |                             |                                     |                              |
| Clier          | nt: <u>Owens (</u> | Corning          |               |                              |                                | Area or C                              | oncern:                     |                                     |                              |
| Proje          | ect Location:      | Anderson         | , South (     | Carolina                     |                                | Weather:                               | ~ 4C°C                      | 2.11.0                              | 1.1.                         |
| 2. WE          | LL DATA            |                  | Date          | Measurad                     | alunta                         |                                        |                             | - rorigi                            |                              |
| Casir          | ng Diameter:       | 1                | inches        |                              |                                | Time:                                  | _AM_                        | т                                   | emporary Well: 🛛 Yes 🖉 No    |
| Scree          | en Diameter:       | 1                | inches        | Type: 🙀                      |                                | iless 🛛 Galv. S                        | teel D Tetlor               | 18 🛛 Other:_                        |                              |
| Total          | Depth of Well      | :                | feet          | From: ST                     |                                | lless U Gaiv. Si                       | teel C Tefton               | ® 🛛 Other                           |                              |
| Depth          | to Static Wat      | ter. 38.6        |               | From:                        | Top of Well Ca                 | using (TOC)                            | Top of Prote                | ctive Casing                        | Other                        |
| ' Depth        | to Product:        |                  | feet          | From:                        | Top of Well Ca                 | using (TOC)                            | Top of Prote                | ctive Casing                        | 0 Other:                     |
| Lengti         | h of Water Co      | lumn: 176        | ) ]eet        | Well Votur                   | ne: 7.22                       |                                        | Top of Prote                | ctive Casing                        | Other                        |
|                |                    |                  |               | Note: 1-in w                 | ell = 0.041 gal/               | z yai<br>ft2-in_well = 0.:             | Screeneo<br>167 gal/ft 4-ir | 1 Interval (fro<br>1 well = 0.667 ( | om GS):                      |
| 3. PUF         | RGE DAT            | A                | Date P        | urged: _2                    | 11/11                          | Time:                                  | 040                         |                                     | ann o-in weil = 1.469 gai/ft |
| Purge          | Method:            | Bailer, Size:    | np 🖸 Perisi   | Bladder Pu                   | mp 0 2" Sub.                   | Pump Q 4" Su                           | ib. Pump                    |                                     |                              |
| Materia        | als: pump/Bai      |                  | hylene 🔏 S    | tainiess D PV                | C D Tefion®                    | D Other                                |                             | _ 1                                 | NOT INC                      |
| Materia        | als: Bone Tut      | Cu Uedic         | hviene 🗅 P    | repared Off-Si               | te 98 Field-Cl                 | eaned C Disp                           | osable                      | 2                                   | 1 1 11 D                     |
| 11-1           |                    | Dedica           | ated O Pre    | pared Off-Site               | G Field-Clear                  | Nylon D Other:<br>ned <b>S</b> Disposa | able                        | 3. <u>C</u>                         | NEV Gladder Primp            |
| Volume         | e to Purge (mi     | nimum): <u>M</u> | In a harden   | volumes or _                 |                                | gallons                                |                             | 4                                   |                              |
| was we         | Cum Galler         |                  | QU NO         | Pumping R                    | ate:                           | gal/min                                |                             |                                     | Calibrated? Yes              |
| Time           | Removed            |                  | remp          | > of +3% or                  | ORP                            | DO                                     | Turbidity                   |                                     |                              |
| 1100           | (gal)              | ±0.1 su          | ±2°C          | ±10 µS/cm                    | ±20 mV                         | t > of ±10% or<br>±0.2 mg/L            | ≤ 10 NTU                    | Water Leve                          | Comments                     |
| 1105           | YSI Full           | 764              | 14.59         | 0.616                        | -4.4                           | 3.10                                   | 135                         | 29.90                               |                              |
|                | 0.05               | 7.75             | 15.25         | 0.614                        | -45.5                          | 3.25                                   | 134                         | 297                                 | Ke i                         |
| 125            | 0.10               | 7.73             | 15.32         | 0615                         | -48.5                          | 3.31                                   | 140                         | 409                                 | ->-                          |
| 145            | 0.15               | 7.82             | 15.90         | 0.616                        | -53.3                          | 3 29                                   | 182                         | 400                                 |                              |
| 155            | Pump               | off.             | Pull          | est to                       |                                | 2.0-1                                  | Ian                         | 707                                 |                              |
|                |                    |                  |               |                              | The Signa                      | e my fr                                | <u> 17 50</u>               | Sterr,                              | Break in air line.           |
| SAMP           | LING DA            | TA               |               |                              |                                |                                        |                             | Purge data                          | continued on next sheet?     |
| Method(s)      | ): Centri          | er, Size:        |               | Bladder Pump                 | CI 2" Sub. Pum                 | np 🖸 4" Sub. Pi                        | umo                         | Geoch                               | emical Analyses              |
| Materials:     | Pumo/Bailer        | Polyethyle       | ne Sal Staini |                              | iai Lift Pump 🖸                | Other:                                 |                             | Ferrou                              | s Iron:rng/L                 |
| )<br>Matari-l- |                    | Dedicated        | D Prep        | ared Off-Site                | Field-Cleane                   | d O Disposab                           | le                          | DO:                                 | mg/L                         |
| materials (    | Hope               | Dedicated        | Prepare       | opylene 🛛 Te<br>d Off-Site 🔾 | fion® 🛛 Nylor<br>Field-Cleaned | Disposable                             | <u> </u>                    | Nitrate:                            | ma/L                         |
| Depth to V     | Vater at Time      | of Sampling      | : 541         | F                            | ield Filtered?                 | O Yes 🖌                                | No                          | Sulfate:                            |                              |
| Sample ID      |                    | Sample Date      | 2/16/1        | Sample Tin                   | ne: 13/0                       | # of Container                         | s:                          | Alkalinit                           |                              |
| Suplicate S    | Sample Collec      | ted?  Yes        | No No         | ID:                          |                                | # of Container                         | s:                          |                                     |                              |
| -quipinent     | . ⊐iank Collect    | ed? 🖸 Yes        | A NO          | ID:                          |                                | # of Containers                        | s:                          |                                     |                              |
| COMM           | ENTS               | Pam              | atako         | C. 100'                      | hhe                            |                                        |                             | . <u>.</u>                          |                              |
|                | <u></u>            |                  |               | <u> </u>                     | 0700.                          |                                        |                             |                                     |                              |
| · Include      |                    |                  |               | 14-7-7 MH                    |                                |                                        |                             |                                     | •                            |
| manae con      | nments such as     | well condition,  | odor, preser  | nce of NAPL, or              | other items not                | t on the field data                    | sheet.                      |                                     |                              |
|                |                    |                  |               |                              |                                |                                        | -77                         | V                                   |                              |
| M GW-2         | (Rev 25.Sept.08 -  | sej)             |               | Dana                         | 0.1                            | Signa                                  | ature V                     |                                     |                              |



WELL ID: <u>MW-39 Zone 2</u>

| Time | Cum. Gallons<br>Removed | рН      | Temp  | Spec. Cond. | ORP                    | DO                        | Turbidity |             |          |
|------|-------------------------|---------|-------|-------------|------------------------|---------------------------|-----------|-------------|----------|
|      | (gal)                   | ±0.1 su | ±2°C  | ±10 µS/cm   | > or ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | water Level | Comments |
| 220  | Kung Ba                 | et or   |       |             |                        |                           |           |             |          |
| 230  | 0.2                     | 7.92    | 18.91 | 0.621       | -51.3                  | 4.90                      | 143       | 44.7        |          |
| 1245 | 0.3                     | 7.85    | 18.68 | 0.621       | -64.7                  | 1.80                      | 141       | 49.9        |          |
| 1305 | 0.4                     | 7.77    | 18.75 | 0.622       | -71.0                  | 1.39                      | 146       | 54.1        |          |
| 310  | Sample                  | . Coll  | cete  | I. Pr       | ged fo                 | c 2 h                     | rs.       | 49.900      |          |
|      |                         |         |       |             | 0                      |                           | 1         |             |          |
|      |                         |         |       |             |                        |                           |           |             |          |
|      |                         |         |       |             |                        |                           | -         |             |          |
|      |                         |         |       |             |                        |                           |           |             |          |
|      |                         |         |       |             |                        |                           |           |             | _        |
|      |                         |         |       |             |                        |                           |           |             |          |
|      |                         |         |       |             |                        |                           | <         |             |          |
|      |                         |         |       |             |                        |                           |           |             |          |
|      |                         |         |       |             | •                      | H 0 0 0                   |           |             |          |
|      |                         |         |       |             |                        |                           |           |             |          |
|      |                         |         |       |             | 11 VII Managera        |                           |           |             |          |
| 2    |                         |         |       |             |                        |                           |           |             |          |
|      |                         | - 7     |       |             |                        |                           |           |             |          |
| - 0  |                         |         |       |             |                        |                           |           |             | 84       |
|      |                         |         |       |             |                        |                           |           |             |          |
|      |                         |         |       |             |                        |                           |           |             |          |
|      |                         | i       |       |             |                        |                           |           |             |          |
|      |                         |         | -     |             |                        |                           |           |             | -        |
|      |                         |         |       |             |                        |                           |           |             |          |
|      |                         |         |       |             |                        |                           |           |             |          |
| -    |                         |         |       |             |                        |                           |           |             |          |
|      |                         |         |       |             |                        |                           |           |             |          |
|      |                         |         |       | 1           |                        |                           |           |             |          |
| 1    |                         |         |       |             |                        |                           | _         |             |          |

Page 2 of 2 Signature



WELL ID: <u>MW-39 Zone 3</u>

| <b>1. PROJECT INFORMATION</b>                                 |                                 |                    |                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------|---------------------------------|--------------------|-----------------------------------------|----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Number: <u>138670</u> Task N                          | lumber: _200.                   | 001                | Area of Co                              |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Client: Owens Corning                                         |                                 |                    | Personnel                               | . Dм           |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Project Location: Anderson, South C                           | Carolina                        |                    | Veather:                                | ~ 55°F         | Scatter         | d Clarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2. WELL DATA Date                                             | Measured <sup>.</sup>           | 2/14/11            | Time                                    | PAA            |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Casing Dlameter: 1 inches                                     | Type: 🕦                         | VC Staiple         | Galv. St                                |                | Tei             | mporary Well: DYes Mo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Screen Diameter: 1 inches                                     | Type: 92 F                      | VC 🛛 Stainle       | ss 🛛 Galv. Ste                          | ei 🗆 Teliona   | Other           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Total Depth of Well: 300 feet                                 | From: 🖀                         | Top of Well Cas    | ing (TOC)                               | Top of Protec  | tive Casion     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Depth to Static Water: 38.18 feet                             | From: 🐲                         | Top of Well Cas    |                                         | Top of Protec  | tive Casing     | ] Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Depth to Product:                                             | From: 🖸                         | Top of Weil Cas    | ing (TOC)                               | Top of Protec  | tive Casing     | Cher                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Length of Water Column 261.82 feet                            | Well Volum                      | e: 10.73           | aal                                     | Screened       | Interval /from  | = Call                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                               | Note: 1-in we                   | ell = 0.041 gai/ft | 2-in well = 0.1                         | 67 gai/ft 4-in | well = 0.667 ga | al/ft 6-in well = 1.469 gal/ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3. PURGE DATA Date F                                          | urged: 2/                       | 16/11              | _ Time:                                 | 352            |                 | Equipment Model(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purge Method: Dentrifugal Pump Deris                          | Biadder Pun<br>taitic Pump O I  | np 🛛 2" Sub. F     | Pump 🛛 4" Sui                           | b. Pump        | 1.              | 51.576                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Materials: Pump/Bailer Polyethylene X s                       | Stainless D PVC                 |                    | Other:                                  |                | , <b>T</b>      | DRT-ISCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                               | repared Off-Sil                 | e XS Field-Cle     | aned C Dispo                            | osable         |                 | ED Blackder Run                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                               | epared Off-Site                 | G Field-Clean      | yion Ci Other:_<br>ed <b>XI</b> Disposa | ible           | з. <b>1</b> Ж   | and the second s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Volume to Purge (minimum):                                    | volumes or                      |                    | gallons                                 |                | 4               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Was well purged dry? Ves 🍕 No                                 | Pumping Ra                      | ite:               | gal/min                                 |                |                 | Calibrated? Yes 🗆                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Time Removed                                                  | Spec. Cond.                     | ORP                | DO                                      | Turbidity      | Mator Lawal     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| (gal) ±0.1 su ±2°C                                            | ±10 µS/cm                       | ±20 mV             | > or ±10% or<br>±0.2 mg/L               | ≤ 10 NTU       | water Level     | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1405 YSI Full 7.52 17.34                                      | 0.144                           | -99.6              | 3.79                                    | 4.75           | 40.9            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1418 0.05 7.35 17.70                                          | 6.141                           | -/15.1             | 2.15                                    | 3.23           | 42.7            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1415 0.1 7.34 17.51                                           | 0.140                           | -119.0             | 1.60                                    | 2.94           | 44.5            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1420 0.15 7.31 17.26                                          | 0.139                           | -120.2             | 6.1.25                                  | 2.88           | 46.3            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1425 0.2 7.30 17.16                                           | 0.138                           | -1204              | \$1.05                                  | 309            | 40.05           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                               |                                 |                    |                                         | 2.01           | Purge data      | Continued on part sheet?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 4. SAMPLING DATA                                              | _                               | 1 III<br>21        |                                         |                | Gaach           | amical Analyses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Method(s): Bailer, Size:                                      | Bladder Pump                    | 2" Sub. Pur        | ip Q 4" Sub. F                          | ump            | Z               | Chindan Annalyses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Materials: Fump Bailer D Polyethylene # Stai                  | niess O PVC (                   | ⊐i Telion® ⊡       | Other:                                  |                | Ferrou          | s iron:prg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                               | pared Off-Site                  | Field-Cleane       | d 🛛 Disposal                            | ble            | DO:             | mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Iviaterials: Ubing/Rope Polyetinylene Poly<br>Dedicated Prepa | propylene To<br>red Off-Site To | efion®             | Disposable                              |                | Nitrate:        | mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Depth to Water at Time of Sampling: 71.9                      | F                               | Field Filtered?    | 🗆 Yes 🖋                                 | No             | Sulfate:        | mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sample ID: MW-39 Sample Date: 2/16/11                         | Sample Ti                       | ne: 1550           | # of Containe                           | ers:           | Alkalini        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Duplicate Sample Collected? Yes 🕱 No                          | ID:                             |                    | # of Containe                           | rs:            | _ /             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Equipment Blank Collected? Q Yes K No                         | ID:                             |                    | # of Containe                           | rs:            | _/_             | $\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i$ |
| COMMENTS                                                      |                                 |                    |                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                               |                                 |                    |                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                               |                                 |                    | -                                       |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ote: Include comments such as well condition, odor, pre-      | sence of NAPL, o                | n other items no   | t on the field dat                      | ta sheet.      |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                               |                                 |                    |                                         | TE             | m               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DRM GW-2 (Rev 25.Sept.08 · sej)                               | 2                               | 1 1                | Sig                                     | nature         | 11-             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



WELL ID: \_\_\_\_\_MW-39 Zone 3

|    | S. FUR | GE DATA                 | (contil | nued tro | m page _    |                       |                              |           |             |          |
|----|--------|-------------------------|---------|----------|-------------|-----------------------|------------------------------|-----------|-------------|----------|
| 1  | Time   | Cum. Gallons<br>Removed | s pH    | Temp     | Spec. Cond. | ORP                   | DO                           | Turbidity |             |          |
| 1  |        | (gal)                   | ±0.1 su | ±2°C     | ±10 µS/cm   | > of ±10% c<br>±20 mV | or > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level | Comments |
|    | 1430   | 0.25                    | 7.27    | 16.99    | 0.138       | -119.8                | 0.90                         | 5.96      | 50.0        |          |
|    | 1435   | 0.3                     | 7.24    | 16.90    | 0.138       | -118.9                | 0.80                         | 3.48      | 5185        |          |
|    | 1440   | 0.35                    | 7.22    | 16.87    | 0.139       | -116.8                | 0.73                         | 3.96      | 53.8        |          |
|    | 1445   | 0.4                     | 7.20    | 16.84    | 0.139       | -113.7                | 0.72                         | 9.24      | 55.7        |          |
|    | 1450   | 0.45                    | 7.19    | 16.87    | 0.140       | -108.1                | 0.13                         | 10.10     | 57.35       |          |
|    | 1455   | 0.5                     | 7.18    | 16.91    | 0.140       | -103.2                | 0.78                         | 13.6      | 59.1        |          |
| ۶Į | 1450   | 0.55                    | 7.16    | 16.88    | 0.141       | -97.3                 | 0.82                         | 9.86      | 61.1        |          |
| ł  | 1515   | 0:05                    | 7.12    | 16.56    | 0.141       | -883                  | 0.87                         | 891       | 64.7        |          |
|    | 1530   | 0.95                    | 7.09    | 16.79    | 0.140       | -81.5                 | 0.92                         | 890       | 69.4        |          |
| L  | 1545   | 0.1.0                   | 7.10    | 16.92    | 0.140       | -76.3                 | 0.86                         | 9.03      | 719         |          |
| ļ  | 1562   |                         |         |          |             |                       |                              |           |             |          |
| ŀ  | 1555   | Sample                  | Colle   | ted      |             |                       |                              |           |             |          |
| L  |        |                         |         |          |             |                       |                              |           |             |          |
| L  |        |                         |         |          |             |                       |                              |           |             |          |
| L  |        |                         |         |          |             |                       |                              |           |             |          |
| L  |        |                         |         |          |             |                       |                              |           |             |          |
| L  |        |                         |         |          |             |                       |                              |           |             |          |
| L  |        |                         |         | - 1      |             |                       |                              |           |             |          |
|    |        |                         |         |          |             |                       |                              |           |             | -        |
|    |        |                         |         |          |             |                       |                              |           |             |          |
|    |        |                         |         | 1        |             |                       |                              | 1         |             |          |
|    |        |                         |         |          |             |                       |                              |           |             |          |
|    |        |                         |         |          | 1           |                       |                              |           |             |          |
|    |        |                         |         |          |             |                       |                              |           |             |          |
|    |        |                         |         |          |             |                       |                              |           |             |          |
|    |        |                         |         |          |             |                       |                              |           |             |          |
|    |        |                         |         |          |             |                       |                              |           |             |          |
|    |        |                         |         |          |             |                       |                              |           |             |          |
| -  |        |                         |         |          |             |                       |                              | 1         |             |          |

Para 2 of 2

Signature



WELL ID: <u>MW-41 Zone 1</u>

| 1. PF            | OJECT IN            | IFORM                  | IATION                    |                                  |                                    |                            |                 |                |                   |                |
|------------------|---------------------|------------------------|---------------------------|----------------------------------|------------------------------------|----------------------------|-----------------|----------------|-------------------|----------------|
| Proje            | ect Number: 1       | 38670                  | Task N                    | lumber: <u>200</u>               | .001                               | Area of C                  | ODcoro:         |                |                   |                |
| Clier            | it: <u>Owens C</u>  | orning                 |                           |                                  | ų.                                 | Personne                   | 1. JBM          |                |                   |                |
| Proje            | ect Location: A     | nderson                | <u>, South (</u>          | Carolina                         |                                    | Weather:                   | Ourcost         | ~60F           |                   |                |
| 2. WE            | LL, DATA            |                        | Date                      | Measured:                        | 14, Feb.11                         | Time: J                    | 1112            |                |                   |                |
| Casir            | g Diameter:         |                        | inches                    | Type: 🖬                          | PVC D Stain                        | less D Galv, Si            |                 | To             | emporary Well:    | OYes Onlo      |
| Scree            | en Diameter:        | 1                      | inches                    | Туре: 🛃                          | PVC 🖸 Staini                       | ess 🖸 Galv. St             | eel 🖸 Teflond   | R D Other      |                   |                |
| Totai            | Depth of Well:      | 129                    | feet                      | From: 😰                          | Top of Well Ca                     | sing (TOC)                 | Top of Protec   | ctive Casing   | Cl Other          |                |
| Deptr            | to Static Wate      | er: 6.52               | feet                      | From: 🖬                          | Top of Well Ca                     | sing (TOC)                 | Top of Protec   | tive Casing    | Cl Other          |                |
| Depth            | to Product:         |                        | feet                      | From: 🛛                          | Top of Well Ca                     | sing (TOC)                 | Top of Protec   | tive Casing    | D Other           |                |
| Lengt            | n of Water Colu     | umn: (22.              | 7 Seet                    | Well Volun                       | ne: <u>20.45</u>                   | gai                        | Screened        | Interval (fro  | m GS).            |                |
| 2 DI 10          |                     |                        |                           | Note: 1-in we                    | all = 0.041 gal/h                  | 2-in well = 0.1            | 167 gal/ft 4-in | well = 0.667 g | al/ft 6-in well : | = 1.469 gal/it |
| 5. FUF           |                     | A<br>Bailer Size:      | Date P                    | urged: 17.                       | Fil.I                              | _ Time: <u>/2</u>          | .30             |                | Equipme           | ont Model(s)   |
| Purge            | Wethod: Ce          | ntrifugal Pu           | mp Q Peris                | a biadder Pun<br>taltic Pump D I | np U 2" Sub. i<br>nertial Lift Pum | Pump 🗆 4* Su<br>p 🖸 Other: | b. Pump         | 1              | YSISSC            |                |
| Materi           | ais: Pump/Baile     | er D Polyei<br>D Dedic | thylene 🗆 🕤<br>ated 🛛 🖸 I | tainless D PVC                   |                                    | O Other.                   |                 | 2. <b>1</b>    | DRT-150           | E              |
| Materia          | als: Rope/Tubir     | g Polyel               | hylene 🖸 P                | olypropylene C                   | Teflon® CI N                       | vion Cl Other              | osable          | з. <b>Н</b>    | erre Skin         | Pine Rod       |
| Volume           | to Purce (min       | u Dedici               | ared OPre                 | pared Off-Site                   | C Field-Clean                      | ed PDisposa                | able            | 4 R            | ED MEL            | 2. 81.1.2      |
| - Was w          | all purged drv?     | Yəs                    | well                      | Pumping Br                       |                                    | gallons                    |                 |                | <u> </u>          | - <u> </u>     |
|                  | Cum. Gallons        | pH                     | Temp                      | Spec. Cond.                      |                                    | gal/min                    | Truck Life      |                | Calibrated?       | Yes D          |
| Time             | Removed<br>(gal)    | ±0.1 su                | ±2°C                      | > of ±3% or                      | > of ±10% or                       | > of ±10% or               |                 | Water Leve     | Com               | ments          |
| 1204             | 5.                  |                        |                           | ±10 µS/cm                        | ±20 mV                             | ±0.2 mg/L                  | STONIU          |                |                   |                |
| 134              | VCTLA               | 220                    | 1818                      | 00-74                            | - 12m                              |                            |                 | 6.54           |                   |                |
| 1350             | 0 2+                | 102                    | 15 27.                    | - 11.7_                          | 0.373                              | 1.67                       | 137             | 6.69           | V. Charly         | Gray           |
| 1400             | 0.25                | 1.91                   | 13.27                     | 0.318                            | -83.6                              | 1.57                       | 57.9            | 6.67           | Clarky            | bry            |
| late/            | 0.35                | 6.13                   | 0.0                       | 0.306                            | -78.6                              | 1.21                       | 53.1            | 6.63           |                   |                |
| שורו             | 0.72                | 6.88                   | 10.53                     | 0.302                            | 759                                | 1.07                       |                 | 6.65           |                   | -              |
| 4 SAME           |                     | Тл                     |                           |                                  |                                    |                            |                 | Purge data     | continued on n    | ext sheet? (S  |
| Method/s         |                     | IA<br>Ir. Size:        |                           | Bladdor Burne                    |                                    | 10.00                      |                 | Geoch          | emical Analys     | es             |
| Method(a         | Centrif             | ugal Pump              | O Peristaltic             | Pump C Inerti                    | al Lift Pump                       | Other:                     | ump             | Ferrous        | s Iron:           | than 1         |
| Materials        | Pump/Bailer         | Polyethyle Dedicated   | ene 🖆 Stainl              | ared Off-Site                    | Teflon®                            | Other:                     |                 | DO:            | 1                 |                |
| Materials:       | Tubing/Rope         |                        | ne 🖸 Polyp                | ropylene 🛛 Te                    | flon® C Nylon                      | C Other:                   | lie             | Nitratas       |                   | 7 mg/L         |
| Depth to \       | Vater at Time o     | of Samplin             | U Prepare                 | d Off-Site                       | Field-Cleaned                      | C Disposable               |                 | Initiale:      |                   | mg/L           |
| Sample I         | ML-41 21            | ample Date             | H.F.LII                   | Sample Ti-                       | nen rillered?                      | Ves of                     | No<br>2         | Sulfate:       | -/-               | mg/L_          |
| Duplicate        | Sample Collect      | ed?⊡ Ye                | s Or No                   |                                  | -                                  | # of Container             | rs:             | Alkalinit      | y: _/             | mg/L           |
| Equipmen         | Biank Collecte      | ed? 🖸 Ye               | s Sr No                   | ID:                              |                                    | # of Container             | "S:             | -              |                   |                |
| 5. COMM          | ENTS Q              | land La                |                           |                                  |                                    |                            | o               | -              |                   |                |
|                  |                     | M M                    | <u>r res/</u>             | vnee @                           | -95                                | roc.;                      | 264             |                |                   |                |
|                  |                     | ·                      | r i i                     |                                  |                                    |                            |                 |                | 1                 |                |
| ote: Include col | nments such as v    | vell condition         | , odor, prese             | nce of NAPL, or                  | other items not                    | on the field data          | sheet.          |                |                   |                |
|                  |                     |                        |                           |                                  |                                    |                            | in              |                |                   |                |
| ORM GW-2         | (Rev 25.Sept.08 - : | sej)                   |                           | 1 y ac el                        | 1 -                                | Te:L                       | tola            |                |                   |                |
|                  |                     |                        |                           | Page                             | of Z                               | sign                       | d'MA            |                |                   |                |


WELL ID: \_\_\_\_\_MW-41 Zone 1

|          | Cum. Gallons     | pН       | Temp  | Spec. Cond.              | ORP                    | DO                        | Turbidity             | 1 1         |               |
|----------|------------------|----------|-------|--------------------------|------------------------|---------------------------|-----------------------|-------------|---------------|
| Time     | Removed<br>(gal) | ±0.1 su  | ±2°C  | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU              | Water Level | Comments      |
| 1420     | 10               | 6.88     | 15.61 | 0.302                    | -75.9                  | 0.90                      | 28.7                  | 669         |               |
| 1430     | 1.25             | 6.87     | 1559  | 0.302                    | -765                   | 0.90                      | 5.37                  | 6.68        |               |
| 1440     | Sciple           |          |       |                          |                        |                           |                       |             | e e sub-      |
| 450      |                  |          |       |                          |                        | 2<br>                     | 8                     |             |               |
| 1200     |                  |          |       |                          |                        |                           |                       |             |               |
| 1510     |                  | - 54     |       |                          |                        |                           |                       |             |               |
| 525      |                  |          |       |                          | 5                      |                           | а к <sup>а</sup><br>П |             |               |
| 15.30    |                  |          |       |                          |                        |                           |                       | 2           |               |
| 1540     | -                | 2        |       |                          |                        |                           |                       | 2           |               |
|          |                  |          |       |                          |                        |                           | 0 0 0                 |             | 100 C         |
|          |                  |          |       |                          |                        |                           |                       |             | - 5           |
|          |                  | <u> </u> |       |                          |                        |                           |                       |             |               |
|          |                  |          |       |                          |                        |                           |                       | 24<br>18    |               |
|          |                  |          |       |                          |                        |                           |                       |             |               |
| 1.<br>   |                  |          |       |                          | -                      |                           | · · · ·               |             |               |
|          |                  |          |       |                          |                        |                           |                       | 24-1<br>-   |               |
|          |                  |          |       |                          |                        | тр.<br>Г                  |                       |             |               |
|          |                  |          |       |                          |                        |                           |                       |             |               |
|          |                  |          |       |                          |                        |                           |                       |             | - E. E. 15, 1 |
|          |                  |          |       |                          |                        |                           | <u>_</u>              |             | 1.00          |
| <u> </u> |                  |          |       | - A                      |                        |                           |                       |             |               |
|          |                  |          |       |                          | 1                      |                           |                       |             |               |
|          |                  |          |       |                          |                        |                           |                       | A 10 A 11 A |               |
|          | · .              |          | -     | - S                      |                        |                           | -0 S                  |             | 1999 (B-4     |
|          |                  |          |       |                          |                        |                           |                       |             |               |
|          |                  |          |       |                          |                        |                           | 3                     |             |               |
|          |                  |          |       |                          |                        |                           |                       |             |               |
|          |                  |          |       |                          |                        |                           |                       |             |               |

Purge data continued on next sheet?

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7

## **GROUNDWATER SAMPLING FIELD DATA SHEET**

WELL ID: <u>MW-41 Zone 2</u>

| 1. PR(     | OJECT IN         | FORM                  | ATION                      |                                 |                                       | , II. (                   | ×             |                |                              |
|------------|------------------|-----------------------|----------------------------|---------------------------------|---------------------------------------|---------------------------|---------------|----------------|------------------------------|
| Proje      | ct Number: _1;   | 38670                 | Task N                     | umber: 200.                     | 001 -                                 | Area of Co                | acere:        |                |                              |
| Client     | : Owens Co       | prning                | -                          |                                 |                                       | Personnel                 | . ) AM        |                |                              |
| Projec     | ct Location: AI  | nderson,              | South C                    | arolina                         |                                       | Weather:                  | Clean An      | 107=           |                              |
| 2. WE      | LL DATA          |                       | Date A                     | looguradu                       | IN CLA                                |                           | 10.84         |                |                              |
| Casin      | Diameter         | 1 2 3                 | Dale n                     |                                 | 17. Pel. 20                           | 1 Ime:                    | 038           | Τε             | emporary Well: OYes Onlo     |
| Scree      | Diameter:        |                       | nches                      | Type. Gr                        |                                       | ess U Galv. St            | eel 🖸 Teflon( | D Olher:       |                              |
| Total I    | Denth of Wellt   | 120                   | fort                       | From: d'                        |                                       | ess 🛛 Galv. St            | eel 🖸 Teflond | 0 G Other      |                              |
| Denth      | to Static Mate   | - + 105'              | ( <b>48,75</b> '           |                                 |                                       | sing (TOC)                | Top of Protec | tive Casing    | Other:                       |
| Depth      | to Product.      | NA                    |                            | From: C a                       | rop or well Cas                       | sing (TOC)                | Top of Protec | tive Casing    | Other:                       |
| Lenath     | of Water Colu    | mn. 137.7             | S foot                     | Moll Volum                      |                                       | sing (TOC)                | Top of Protec | tive Casing    | Other:                       |
|            |                  |                       |                            | Note: 1-in we                   | ne: <u>3.63</u><br>nii = 0.041 gai/ft | gal<br>2-in well = 0.1    | Screened      | Interval (from | m GS):                       |
| 3. PUR     | GE DATA          |                       | Date P                     | uraed: /4.                      | El Icil                               | Time: 14                  | : 06          | wei = 0.007 g  | avπ 6-in well = 1.469 gal/ft |
| Purge      |                  | ailer, Size:          |                            | G Bladder Pur                   | np 2" Sub. F                          |                           | b. Pump       |                | Equipment Model(s)           |
| Matoria    | ile: Dumn/Gatia  | . Seolvot             | hviene OS                  | tainless D DVC                  | nertial Lift Pump                     | p GrOther:                | ten-          | . 1]           | 005                          |
| wateria    | us. rump/Baile   | Dedica                | ated D F                   | Prepared Off-Site               | e Di Field-Cle                        | aned Disp                 | osable        | 2              | VINIISCE                     |
| Materia    | ls: Rope/Tubin   | g Dedica              | hylene 🗆 Pe<br>ated 🖸 Pre  | olypropylene                    | Teflon® I N                           | lylon Other:              |               | 3              |                              |
| Volume     | to Purge (mini   | imum): _ <b>_3</b>    | well                       | volumes or                      | 6.94                                  |                           | 1018          | 4              |                              |
| Was we     | I purged dry?    | C Yes                 | ⊡ <b>r</b> No              | Pumping Ra                      | ite:                                  | gal/min                   |               |                | Calibrated?                  |
| Time       | Cum. Gallons     | pН                    | Temp                       | Spec. Cond.                     | ORP                                   | DO                        | Turbidity     | <u> </u>       |                              |
|            | (gal)            | ±0.1 su               | ±2°C                       | > of ±3% or<br>±10 µS/cm        | > of ±10% or<br>±20 mV                | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU      | Water Level    | Comments                     |
| 623        | Star             |                       |                            |                                 |                                       |                           |               |                |                              |
| 630        | 6.00             | 7.14                  | 16.25                      | 0.213                           | -6.47                                 | 1.94                      | 0.23          |                | Clea                         |
| 633        | 8.5              | 7.15                  | 16.26                      | 0.293                           | -63.9                                 | 1.68                      | 0.08          |                | 11                           |
| 63C        | 11.0             | 7.16                  | 16.25                      | 0.293                           | -63.7                                 | 1,51                      | 0.13          |                | r                            |
| 639        | 3.5              | 7.17                  | 6.25                       | 0.293                           | -63.3                                 | 1.400                     | 0.02          | ~              | ty                           |
|            |                  |                       |                            |                                 |                                       | n carrie t <sub>e</sub>   |               | Purge data     | continued on next sheet?     |
| SAMF       | LING DA          | ГА                    |                            |                                 |                                       |                           |               | Geoch          | emical Analyses              |
| Method(s   | ): Dentrif       | r, Size:<br>ugal Pump | O Peristalti               | Bladder Pump<br>c Pump 🖸 Inerti | 2" Sub. Pum<br>ial Lift Pump          | p 0 4" Sub. P             | ump           | Eerrou         |                              |
| Materials: | Pump/Bailer      | Polyethyle            | ene 🛛 Stain                |                                 | Teflon® B                             | Other: A.in               | -             |                |                              |
| Materials  | Tubing/Rone      | Polvethyla            | u Prep<br>ane ⊡ Polvo      | Dared Off-Site                  | G Field-Cleane                        | d Disposal                | ble           | DO:            | /_ mg/L                      |
| -          | (                | Dedicated             | Prepar                     | ed Off-Site                     | Field-Cleaned                         | Disposable                |               | Nitrate:       | mg/L                         |
| Uepth to V | Vater at Time o  | of Samplin            | g:                         | • F                             | ield Filtered?                        | ⊡ Yes eer                 | No            | Sulfate:       | mg/L                         |
| Sample IC  | ): 110-11 Z/S    | ample Dat             | e: <u>/<b>Y,/c./</b>//</u> | Sample Tin                      | ne: <b>1645</b>                       | # of Containe             | rs:_2         | Alkalinit      | ly: ma/L                     |
|            | Sample Collect   | ted?  Ye              | s dr No                    | ID:                             |                                       | # of Containe             | rs:           | _              |                              |
| =dribweu.  | Diank Collecte   | ed? U Ye              | ser No                     | 1D:                             |                                       | # of Container            | rs:           | _              |                              |
|            |                  |                       |                            |                                 |                                       |                           |               |                |                              |
| COMM       | ENIS             |                       |                            |                                 |                                       |                           |               |                |                              |
| COMM       |                  |                       |                            |                                 |                                       |                           |               |                |                              |
| СОММ       |                  |                       |                            |                                 |                                       |                           |               |                |                              |
|            | mments such as v | vell condition        | n, odor, prese             | ence of NAPL, o                 | r other items no                      | t on the field dat        | a sheet.      |                |                              |
| COMM       | mments such as v | vell condition        | n, odor, prese             | ence of NAPL, o                 | r other items no                      | t on the field data       | a sheet.      |                |                              |



WELL ID: <u>MW-41 Zone 1</u>

|      | Cum Gallone      |            | Temp  | Spec Cond                |                        |                           |                       | 8           |          |
|------|------------------|------------|-------|--------------------------|------------------------|---------------------------|-----------------------|-------------|----------|
| Time | Removed<br>(gal) | ±0.1 su    | ±2°C  | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 ma/L | Turbidity<br>≤ 10 NTU | Water Level | Comments |
| 1642 | 16.00            | 7.18       | 16.27 | 0.292                    | -63.2                  | 1.28                      | 0.02                  |             |          |
| 1645 | 1900             | 7.18       | 16.27 | 0.192                    | -63,1                  | 1.21                      | 0.03                  |             |          |
| 1645 | Sand             |            |       |                          | lii li s               | 1                         |                       |             |          |
|      | U                |            | -     | <u> </u>                 |                        |                           |                       |             | 2        |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  |            |       | 21                       |                        |                           |                       |             | 0        |
|      | 1                |            |       |                          |                        |                           |                       |             | ····     |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  | 7.5        |       |                          |                        |                           |                       |             |          |
|      |                  |            |       | 2 1                      |                        |                           |                       |             |          |
|      |                  | н<br>Стар  |       |                          |                        |                           |                       |             |          |
|      |                  |            |       | ." n -                   | 1 R g io               |                           |                       |             | Е., 2 —  |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  | S          |       |                          |                        |                           |                       |             |          |
|      |                  | 3          |       | U 89                     |                        |                           |                       |             |          |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  |            |       |                          |                        |                           |                       |             | 0        |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  | на<br>19   |       |                          |                        |                           |                       |             |          |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      | V                |            | 2     |                          |                        | - 1 -                     |                       |             |          |
|      |                  | h - 1 - 44 |       | Si                       |                        |                           |                       | 620         |          |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  |            |       |                          |                        |                           |                       |             |          |
|      |                  |            |       |                          |                        |                           |                       |             |          |

Purge data continued on next sheet?

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WELL ID: <u>MW-41 Zone 3</u>

| Project Number:       138670       Task Number:       200.001       Area of Concert.         Project Location:       Area of Concert.       DBA         Project Location:       Area of Concert.       DBA         Casing Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1. PR            | OJECT IN          | VFORM                    | ATION                    |                                 |                                  |                             |                 |                  |                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|--------------------------|--------------------------|---------------------------------|----------------------------------|-----------------------------|-----------------|------------------|---------------------------------------------|
| Client: Overns Corning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Proje            | ct Number: _1     | 38670                    | Task                     | Jumber: 200                     | 001                              | • • • •                     |                 |                  |                                             |
| Project Location:       Project Location:       Weather:       SOT       Curvesser         2. WELL DATA       Date Measured:       ////////////////////////////////////                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Clier            | t: Owens C        | ornina                   | Task I                   |                                 |                                  | Area of C                   | oncern:         |                  |                                             |
| 2. WELL DATA       Date Measured:       Weather:       Street       Time:       JSP:       Tomoony Wei:       Over diffe         Casing Diameter:      inches       Type:       BYD:       Screen Diameter:      inches       Type:       BYD:       Galo Stainless:       Date Measured:       Control of the distance       Date Measured:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Proje            | ct Location: A    | Inderson                 | . South (                | arolina                         |                                  | Personne                    | Conte           | <u>A.</u>        |                                             |
| 2. WELL DATA       Date Measured: ///fs.L.15/L       Time: //50/L       Tenpony Wet: Give Global         Casing Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 WE             |                   |                          |                          |                                 |                                  | Weather:                    | ~30F            | Www              |                                             |
| Casang Diameter:       1       inches       Type: d PVC G Stankes G Galv. Steel G Tatlond G Other.         Screen Diameter:       1       inches       Type: d PVC G Stankes G Galv. Steel G Tatlond G Other.         Depth to Velt:       292       feet       From: d T do d Velt Casag (TOC) G Top of Protective Casing G Other.         Depth to Static Water.       From: d T do d Welt Casing (TOC) G Top of Protective Casing G Other.       Galv. Steel G Tatlond G Other.         Depth to Static Water.       From: d T do d Well Casing (TOC) G Top of Protective Casing G Other.       Note: for well a CAS I galt? Science G Other.         Depth to Static Water.       From: d T do d Well Casing (TOC) G Top of Protective Casing G Other.       Note: for well a CAS I galt? Science G Other.         S.PURGE DATA       Date Purged:       L6.46.11       Time: 3900       Eculament Model(a)         Purge Method:       B Bate; Size G Other.       Galvater Purge G Science G Other.       Science G Other.       Science G Other.         Materials: Purg/Bailer D Purgend Other.       Top of a Science G Other.       Science G Other.       Science G Other.       Science G Other.         Volume to Purged dry?       Vee M No       Purging Rate:       galfroin       Callbraked G Vees G       Science G Other.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  | LL DATA           |                          | Date                     | Measured:                       | 14.Feb. 201                      | / Time:                     | 540             | T                |                                             |
| Screen Diameter:       1       Inches       Type::       # PVC       Stankes:       0 Gak. Steel       0 Other.         Total Depth of Well::       2290       feet       From::       0 Top of Well Casing (TOC)       0 Top of Protective Casing       0 Other.         Depth to Static Water:       25.4       feet       From::       0 Top of Well Casing (TOC)       0 Top of Protective Casing       0 Other.         Langth of Water:       Column:       1 Top of Well Casing (TOC)       0 Top of Protective Casing       0 Other.         Langth of Water:       Date Purge       0 Mell Casing (TOC)       0 Top of Protective Casing       0 Other.         S. PURGE DATA       Date Purge       Date Purge       1 Static Static       1 Static Static       1 Static Static       1 Static Static         Purge Method:       Bater, Size:       Of Bidadee Purge Date Static       1 Static Static       1 Static Static       1 Static Static       2 DRT - ISCE         Materials:       Purge/Method College Other       I Static Static       1 Static Static       2 DRT - ISCE       3 Herroric       3 Herroric       1 Static Static       2 DRT - ISCE       3 Herroric       3 Herroric       1 Static Static       2 DRT - ISCE       3 Herroric       1 Static Static       2 DRT - ISCE       3 Herroric       3 Herroric       2 DRT - IS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Casir            | ig Diameter:      | 1                        | inches                   | Туре: 🗳                         | PVC 🛛 Stain                      | less 🛛 Galv. S              | teel 🛛 Teflor   | n® 🛛 Other:_     | Inportary Wen. Cires Cino                   |
| Total Depth of Weit:_289feet       From: © Top of Weit Casing (TOC)       □ Top of Protective Casing □ Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Scree            | n Diameter:       | 1                        | inches                   | Type: 🗹                         | PVC 🛛 Stain                      | less 🛛 Galv. Si             | eel 🛛 Tellor    | ® CIOther        |                                             |
| Depth to Static Water 25.47       Feet       From: © Top of Velt Casing (TOC)       □ Top of Protective Casing © Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Total            | Depth of Well:    | 299                      | _feet                    | From: 🝘                         | Top of Well Ca                   | sing (TOC)                  | Top of Prote    | ctive Casing     |                                             |
| Depth to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Depth            | to Static Wate    | er: <u>25.49</u>         | feet                     | From: 21                        | Top of Well Ca                   | sing (TOC)                  | Top of Prote    | ctive Casing     | Other:                                      |
| Length of Water Column 14 24 Teet Meil Volume: 45.68 gel Screened Interval (from GS): Meil: 7 meil - 0.041 gelt 24 m weil - 0.057 gelth - 6 m weil - 1.659 gelth Purge Method: Dater State: Date: 1/meil: 20 meil - 0.041 gelth 24 m weil - 0.057 gelth - 6 m weil - 1.669 gelth Purge Method: Detriftugal Pump Destination Pump D 25 Sub, Pump D 45 Sub Pump I 1/56 55 APS Materials: Pump/Bailer Debythylene D 65 Sub Pump D 0 Other: Dedicated Depared 06/Site Effekt Channed D Disposable Dedicated Depared 06/Site Effekt Channed D Disposable Dedicated Depared 06/Site Effekt Channed D Disposable Sub Pump D 25 Sub Pump D 0 Turbidity Water Level Comments Dodicated Depared 06/Site D Didd Disposable Dedicated Depared 06/Site D Didd Disposable Dedicated Depared 06/Site D Didd Disposable Dodicated O Disposable D Do Turbidity Water Level Comments D Didd State D Didd Disposable D D Turbidity Water Level Comments D D D Turbidity Water Level Comments D D D Turbidity Water Level Comments D D D D D D D D D D D D D D D D D D D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Depth            | to Product:       |                          | feet                     | From: 🖸                         | Top of Well Ca                   | sing (TOC) 🖸                | Top of Prote    | ctive Casing     | C Other                                     |
| Note: 1-in well = 0.01 graft       4-in well = 0.007 graft       6-in well = 1.489 graft         3. PURGE DATA       Date Purged: 16.64.11       Time: 9700       Equipment Model(9)         Purge Method:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lengt            | n of Water Colu   | umn:                     | feet                     | Well Volun                      | ne: 45.68                        | gal                         | Screener        | d Interval (fro  | - CS):                                      |
| 3. PURGE DATA       Date Purged: 16.64.11       Time: 0.900       Equipment Model(s)         Purge Method:       Bater, Size:       OfBadder Purp Q: 2 Sub, Purp Q: 4'S SUB, Purp Q: 5'SC: MS       1. 4'S I S SC: MS         Materials: Pump/Baile:       Orbotaciae:       Development G'Stantess D PuC Q: Telorob Q: Other:       1. 4'S I S SC: MS       2. DRT - 15 L E         Volume to Purge (minimum):       Well volumes or       galons       2. DRT - 15 L E       3. Hom Stilling, Circle 10 (Stantess)       3. Hom Stilling, Circle 10 (Stantess)       2. DRT - 15 L E       3. Hom Stilling, Circle 10 (Stantess)         Was well purged dry Q:       Ves & No       Purping Rate:       gal/min       Calibrated? G'Yes Q:       3. Hom Stilling, Circle 10 (Stantess)       2. DRT - 15 L E       3. Hom Stilling, Circle 10 (Stantess)         Was well purged dry Q:       Ves & No       Purging Rate:       gal/min       Calibrated? G'Yes Q:       3. Hom Stilling, Circle 10 (Stantess)       2. DRT - 15 L E       3. Hom Stilling, Circle 10 (Stantess)       2. DRT - 15 L E       3. Hom Stilling, Circle 10 (Stantess)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                   |                          |                          | Note: 1-in w                    | ell = 0.041 gal/f                | t 2-in well = 0.            | 167 gal/ft 4-ir | n well = 0.667 g | ni (65):<br>jal/ft 6-in well = 1.469 gal/ft |
| Purge Method:       Control and the pump Constant Pump Const | J. PUF           |                   |                          | Date P                   | urged: 16                       | Feb.11                           |                             | x00             |                  | Equipment Model(s)                          |
| Materials: Pump/Bailer       Polyethylene       O'Stainless D PVC D Tehon® D Other.       2       DRT - 15CE         Materials: Rope/Tubing       Polyethylene       O'Stainless D PVC D Tehon® D Other.       3. How Oking Organization       3. How Oking Organization         Volume to Purge (initinum):       Dedicated D Pepared Off-Site D Field-Cleaned D Otoposable       3. How Oking Organization       3. How Oking Organization       3. How Oking Organization         Was well purged dry?       Vec & No       Pumping Rate:       gal/min       Calibrated? Sives D         1mme       Removed<br>(gal)       40.1 su 22*C > of 32% or > of 210% or > of 210% or > of 210% or > 10 NTU       Value Level       Comments         2916       VST FA/L       6.% S3       13.1L       0.30° - 117.5       3.14       20.2C         2915       0.1       6.96       13.24       0.30° - 117.5       3.14       2.35       2.96       2.94         2915       0.1       6.96       13.24       0.30° - 10° N N O       1.85       2.39       28.03       "         2945       0.2       7.00       13.34       0.30° - 10° N N O       1.85       2.97       28.03       "         2945       0.3       7.00       13.44       0.30° - 10° N N O       1.61       2.91       1.90 N       N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Purge            |                   | entrifugal Pur           | mp CI Peris              | Bladder Pur<br>taltic Pump D !  | np 🛛 2" Sub.<br>nertial Lift Pum | Pump 🛛 4* Su                | b. Pump         | 1                | YSISSG MAX                                  |
| Materials: Rope/Tubing "Powerlyees of Techynophene Official Channel Officesaile       3. Herrow State       3. Herrow State <t< td=""><td>Materia</td><td>als: Pump/Baile</td><td>er D Polyei</td><td>thyiene CS</td><td>itainless D PV(</td><td></td><td>Other:</td><td></td><td></td><td>DRT-ISCE</td></t<>                                                                                                                                                                                                                                                                                                                                                                                                  | Materia          | als: Pump/Baile   | er D Polyei              | thyiene CS               | itainless D PV(                 |                                  | Other:                      |                 |                  | DRT-ISCE                                    |
| Volume to Purge (minimum):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Materia          | als: Rone/Tubir   | C Polvet                 | hvlene D P               | Obvoronutiona                   | le GrField-Ch                    | eaned Disp                  | osable          | <u>د.</u>        | In Skin Den Joal                            |
| volume to Purge (minimum):       well volumes or       gallons       4. <u>COV PU-15 PULL</u> Was well purged diry?       Ves d No       Pumping Rate:       gal/min       Calibrated? G Yes 0         Time       Cum. Galions       pH       Temp       Spec. Cond.       ORP       D. Turbidity       Water Level       Comments         09:00       Ster       -       -       0.1 su       22°C       > 0.4 30% of > 0.4 ±10% of ± 10% of ± 10% of 20.4 ±10% of 20.4 ±10% of ± 10% of ± 10% of ± 10% of ± 0.2 mgl.       20.2 C         09:00       Ster       -       -       20.2 mgl.       20.2 L       Comments         09:00       Ster       -       -       20.2 Mgl.       20.2 L       Comments         09:01       Ster       -       -       20.2 C       20.2 L       Comments         09:02       Ster       -       -       20.2 C       20.2 L       Comments         09:03       Ster       -       0.2 mgl.       113.5       3.14       -       20.2 C       117.5       3.14       -       20.2 C       117.5       2.37       2.96       12.4 L       117.5       2.97       28.03       117.5       2.97       29.03       117.5       2.97       29.03       117.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |                   | Dedica                   | ated D Pre               | pared Off-Site                  | G Field-Clear                    | vyton Other:<br>ned Otsposi | able            | 3. 🖊             |                                             |
| Was well purged dry?       Desc. No.       Pumping Rate:       gal/min       Calibrated?       Calibrated?       Gree       Desc.         Time       Cun. Gallons       pH       Temp       Spec. Cond.       OPP       DO       Turbidity       Water Level       Comments         09:00       Stev                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Volume           | e to Purge (min   | iimum):                  | well                     | volumes or                      |                                  | gallons                     |                 | 4. <u>(</u> )    | BU MESS FULL                                |
| Time         Call: Gallottis         pit         Temp         Spec. Cond.         OPP         DO         Turbidity           gall         ±0.1 su         ±2°C         of ±3% or         > of ±10% or         ≤ 10% or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  | ell purged dry?   | Q Yes                    | M No                     | Pumping Ra                      | ate:                             | gal/min                     |                 |                  | Calibrated? ZYes 🗆                          |
| (gal)       40.1 su       ±2°C       ±0 u \$0 m i       0.1 20 mV       ±0.2 mg/L       ≤ 10 NTU       Water Level       Comments         09:00       Stev                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Time             | Removed           | рп                       | remp                     | Spec. Cond.                     | ORP                              | DO                          | Turbidity       |                  |                                             |
| 0900       Ster       20.26         2916       YSI A/I       6.83       13.11       0.305       -113.5       3.14       —       75.74       User         2915       0.1       6.96       13.24       0.304       -111.8       2.35       2.96       25.41       /'         2915       0.1       6.96       13.24       0.304       -109.6       1.85       2.39       28.03       "         2913       0.2       7.06       13.34       0.304       -109.9       1.61       2.41       29.03       "         2943       0.25       7.10       13.42       0.304       -108.9       1.61       2.41       29.03       "         Purge data continued on next sheet?         SAMPLING DATA         Materials: Pump/Bailer       Debyehytene @Stainles @Purg @2 Sub. Pump       @Gentinigal Pump @2 Perstaite Pump @2 Sub. Pump       Geochemical Analyses         Materials: Tubing/Rope & Polyehytene @ Polyropytene @1 Tetlon@ @ Other:       #       Materials: Tubing/Rope & Tobuchytene @Polyropytene @1 Tetlon@ @ Other:       #       MgL         Sample Diff       @2 Suble @2 No       @2 Tetlon@ @1 Method       @2 Suble @2 No       MgL         Sample Diff       @3 Sample Date       @3 Sample Ti                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  | (gal)             | ±0.1 su                  | ±2°C                     | ±10 µS/cm                       | > or ±10% or<br>±20 mV           | r > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU        | Water Leve       | Comments                                    |
| 2916       YST F./I       6.83       13.11       0.305       -113.5       3.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0900             | Ster              |                          |                          | 0                               |                                  |                             |                 | 10000            |                                             |
| 113       3.14       -133       3.14       -23.74       Uer         2915       0.1       6.96       13.24       0.304       -111.8       2.35       2.96       25.41       11         2735       0.2       7.06       13.34       0.304       -109.6       1.85       2.39       28.03       11         2745       0.35       7.10       13.42       6.304       -109.9       1.61       2.41       19.08         Purge data continued on next sheet?         SAMPLING DATA         Method(s):       Bailer, Size:       @Bilddder Pump □ Peristatilic Pump □ Other:       @Bilddder Pump □ Peristatilic Pump □ Other:       @Geochemical Analyses         Materials: Pump/Bailer       Podicated       Prepared Off-Site       @Fildd-Cleaned       @Sposable       Ferrous Iron:       _mg/L         Materials: Tubing/Rope       @Fodivethylene □ Pobyropylene □ Tetind® □ Other:       _mg/L       Do:       _mg/L         Sample ID:       @Bailer, Size:       Field Filtered? □ Yes @ No       Suffate:       _mg/L         Sample ID:       Sample Date       @Folyethylene □ Folyeonylene □ Tetind:       # of Containers:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0916             | YST GI            | 6.87                     | 12 11                    | 12205                           | 1:05                             | 1                           |                 | 20.26            |                                             |
| 12       0.1       0.10       1.20       0.20       -111.8       2.35       2.96       1541       11         2735       0.2       7.06       13.34       0.304       -107.6       1.85       2.39       28.03       11         2945       0.35       7.10       13.42       6.304       -108.9       1.61       2.41       29.03       11         2945       0.35       7.10       13.42       6.304       -108.9       1.61       2.41       29.03       11         2945       0.35       7.10       13.42       6.304       -108.9       1.61       2.41       29.03       11         2945       0.35       7.10       13.42       6.304       -108.9       1.61       2.41       29.03       11         2045       0.35       7.10       13.42       6.304       -108.9       1.61       2.41       12.908       11       1.008       11       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01       1.01 <td>0915</td> <td>01</td> <td>191</td> <td>13-11</td> <td>1700</td> <td>-1132</td> <td>5.19</td> <td></td> <td>23.74</td> <td>Ver</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0915             | 01                | 191                      | 13-11                    | 1700                            | -1132                            | 5.19                        |                 | 23.74            | Ver                                         |
| 7.33       0.3       7.02       13.34       0.304       -109.6       1.85       2.39       28.03       "         7.43       0.35       7.10       13.42       0.304       -108.9       1.61       2.41       29.03       "         Purge data continued on next sheet?         SAMPLING DATA         Method(s):       Bailer, Siza:       @FBiadder Pump [] 2* Sub, Pump [] 4* Sub, Pump       Geochemical Analyses         Materials: Pump/Bailer       Polyethylene       Official Site       Field Cleaned       Forous Iron:       mg/L         Materials: Tubing/Rope       Proprend Off-Site       Field-Cleaned       Officionsable       Nitrate:       mg/L         Dedicated       Prepared Off-Site       Field-Filtered?       Yes @ No       No       Sample Iofficial Analyses         Depth to Water at Time of Sampling:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10170            | 0.1               | 0.16                     | 13.29                    | 0.504                           | -111.8                           | 2.35                        | 2.96            | 25.42            | 11                                          |
| 2945       0.35       710       13.42       0.304       -108.9       1.C1       2.41       19.08         Purge data continued on next sheet?         O.35       710       13.42       0.304       -108.9       1.C1       2.41       19.08         Purge data continued on next sheet?         O.35       710       13.42       0.304       -108.9       1.C1       2.41       19.08         SAMPLING DATA         Method(s):       Bailer, Size:       (#Bladder Pump □ herital Lift Pump □ Other:       [#Geochemical Analyses]         Materials:       Purge data continued on next sheet?       Geochemical Analyses         Materials:       Tubing/Rope       Probyethylene □ offsite       Ifeld/Cleaned       Ifesposable         Depth to Water at Time of Sampling:       Field Cleaned       Other:       # of Containers:       Z         Duplicate Sample Collected? □ Yes □ No       ID:       # of Containers:       Z       Alkalinity:       mg/L         Equipment Blank Collected? □ Yes □ No       ID:       ED-(#EP1]       # of Containers:       Z       Alkalinity:       mg/L         K: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet       MMMMMM       MMMMMM <td>0 ( 33</td> <td>0.2</td> <td>1.06</td> <td>13.34</td> <td>0.304</td> <td>-109.6</td> <td>1.85</td> <td>2.39</td> <td>28.03</td> <td>/1</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0 ( 33           | 0.2               | 1.06                     | 13.34                    | 0.304                           | -109.6                           | 1.85                        | 2.39            | 28.03            | /1                                          |
| SAMPLING DATA       Purge data continued on next sheet?         Method(s):       Bailer, Size:       Geochemical Analyses         Materials: Pump/Bailer       Polyethylene       Stanless       PVC         Materials: Pump/Bailer       Polyethylene       Stanless       PVC       Telfor@       Other:       Materials:         Materials: Pump/Bailer       Polyethylene       Stanless       PVC       Telfor@       Other:       Materials:       Dedicated       Prepared Off-Site       Ferrous Iron:       fmg/L       DO:       mg/L         Materials: Tubing/Rope       Projethylene       Polypothylene       Telfor@       Other:       Materials:       mg/L       DO:       mg/L       DO:       mg/L       Mitrate:       mg/L       Mg/L         Depth to Water at Time of Sampling:       Field Filtered?       Yes @ No       Sample Time:       # of Containers:       Z       Alkalinity:       mg/L       Mitrate:       mg/L       Alkalinity:       mg/L       Alkalinity:       mg/L       Mitrate:       mg/L       Alkalinity:       mg/L <t< td=""><td><u>7945</u></td><td>0.25</td><td>710</td><td>13.42</td><td>0.304</td><td>-108.9</td><td>1.61</td><td>2.41</td><td>19.08</td><td></td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u>7945</u>      | 0.25              | 710                      | 13.42                    | 0.304                           | -108.9                           | 1.61                        | 2.41            | 19.08            |                                             |
| SAMPLING DATA       Geochemical Analyses         Method(s):       Bailer, Size:       Grotadder Pump       2' Sub. Pump       Ferrous       f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |                   | <b>T</b> 4               |                          |                                 |                                  | Xa 1                        |                 | Purge data       | continued on next sheet?                    |
| Method(s):       Contributal Pump       Contr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | . SAIVIF         | LING DA           | IA                       |                          |                                 |                                  |                             |                 | Geoch            | emical Analyses                             |
| Materials: Pump/Bailer       Polyethylene       Ostainless       PVC       Telfor®       Other:       Img/L         Materials: Tubing/Rope       Propared Off-Site       Off-Field-Cleaned       Off-Sposable       DO:       mg/L         Materials: Tubing/Rope       Prolyethylene       Polypropylene       Telfor®       Other:       Mg/L         Depth to Water at Time of Sampling:        Field Filtered?       Yes       No       Sulfate:       mg/L         Sample ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Method(s         | ): Centri         | fugal Pump               | Peristalti               | Bladder Pump<br>c Pump 🖸 inerti | al 2" Sub. Purr<br>ial Lift Pump | np □ 4" Sub. P<br>Other: 1  | ump             | Ferrou           |                                             |
| Materials: Tubing/Rope       Projective Compared Off-Site       Prepared Off-Site       Sulfate:       Prepared Off-Site       Prepared Prepared Off-Site       Prepared Prepared Prepared Off-Site       Prepared Prep                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Materials        | Pump/Bailer       | Potyethyle     Dedicated | ene de Stain             |                                 | Teflon®                          | Other: //m                  |                 | T en ou          |                                             |
| Dedicated       Prepared Off-Site       Field-Cleaned       Collapse         Depth to Water at Time of Sampling:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Materials:       | Tubina/Rope       | Polyethyle               |                          |                                 | Field-Cleane                     | d Presposat                 | ble             | DO:              |                                             |
| Copul to water at time of Sampling:       Field Filtered?       Yes & No       Sulfate:       mg/L         Sample ID:       Sample Date       Sample Time:       # of Containers:       Z       Alkalinity:       mg/L         Duplicate Sample Collected?       Yes & No       ID:       # of Containers:       Z       Alkalinity:       mg/L         Equipment Blank Collected?       Yes & No       ID:       # of Containers:       Z       Ikalinity:       mg/L         COMMENTS       Taph.       @ ~/UO'       # of Containers:       Z       Ikalinity:       mg/L         Include comments such as well condition, odor, presence of NAPL. or other items not on the field data sheet.       MGW-2       (Rev 25, Sept.08 - sei)       MGW-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Denth to 1       | Notor - 1         | C Dedicated              | C Prepar                 | ed Off-Site                     | Field-Cleaned                    | Grossable                   |                 | Nitrate:         | Ă mg/L                                      |
| Complete ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Samela in        | MV 9/ 23 _        | or Sampling              | 3-1                      | F                               | ield Filtered?                   | 🛛 Yes 💁                     | No              | Sulfate:         | mg/L                                        |
| Equipment Blank Collected? Yes D No ID: # of Containers:<br>Equipment Blank Collected? Yes D No ID: <u>ED-01.F11</u> # of Containers:<br>COMMENTS <u>Inph</u> <u>@</u> ~/UO'<br>r: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.<br>RM GW-2 (Rev 25. Sept.08 - sei)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Duplicate        | Sample Call       | ample Date               | e <b>:<u>7./%.//</u></b> | _ Sample Tin                    | ne:                              | # of Containe               | rs: <u>2</u>    | Alkalinit        | y: ma/L                                     |
| COMMENTS Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Equinmen         | Blank Collect     |                          | SUT NO                   | 10:                             |                                  | # of Containe               | rs:             | _                | · · · · ·                                   |
| COMMENTS Inch. @ ~/00'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -derburgu        |                   | enter te                 | SUI NO                   | 10: <u>5 0-0</u>                |                                  | # of Container              | s:_2            |                  |                                             |
| E Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | . COMM           | ENTS 1            | the @                    | ~100                     | 1                               |                                  |                             |                 |                  |                                             |
| Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 18.8             |                   |                          |                          |                                 |                                  |                             |                 |                  |                                             |
| Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.  IM GW-2 (Rev 25, Sect.08 - sei)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | tor last it      | x 5-              |                          | 400-0411                 |                                 |                                  |                             |                 |                  |                                             |
| RM GW-2 (Rev 25, Sect.08 - sei)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IG: INCILIDE COL | nments such as v  | well condition           | , odor, prese            | ince of NAPL, of                | other items no                   | t on the field data         | a sheet.        |                  |                                             |
| RM GW-2 (Rev 25, Sect.08 - Sect)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                   |                          |                          |                                 |                                  | đ                           | -JIN            |                  |                                             |
| Port 1 Standfure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HM GW-2          | (Rev 25.Sept.08 - | sej)                     |                          | Beer                            | 1 . 1                            | Slor                        |                 | 1                |                                             |



WELL ID: \_\_\_\_\_MW-41 Zone 3

| Time  | Cum. Gallons  | рн       | Temp               | Spec. Cond.                           | ORP                    | DO                        | Turbidity | 1           |                                                                                                                 |
|-------|---------------|----------|--------------------|---------------------------------------|------------------------|---------------------------|-----------|-------------|-----------------------------------------------------------------------------------------------------------------|
|       | (gai)         | ±0.1 su  | ±2°C               | > of ±3% or<br>±10 µS/cm              | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level | Comments                                                                                                        |
| 7955  | 0.3           | 7.14     | 13.46              | 0.305                                 | -108.2                 | 1.40                      | 1.41      | 33.12       | and the second secon |
| 005   | 0.4           | 7.15     | 13.53              | 0.305                                 | -[07.8                 | 1.32                      | 2.22      | 35.51       |                                                                                                                 |
| 010   | Sayl          |          |                    |                                       |                        |                           |           |             |                                                                                                                 |
| 025   |               |          |                    |                                       |                        |                           |           |             |                                                                                                                 |
| 035   |               |          |                    |                                       |                        |                           | -         |             |                                                                                                                 |
| 045   |               |          |                    |                                       |                        |                           |           | -           |                                                                                                                 |
| 055   |               |          |                    |                                       |                        |                           |           | 1,          | 4                                                                                                               |
| 105 - |               |          |                    |                                       |                        |                           |           |             |                                                                                                                 |
| 15    |               |          |                    | ~                                     |                        |                           |           |             |                                                                                                                 |
|       |               |          |                    | 6                                     |                        |                           |           |             |                                                                                                                 |
|       |               |          | <u> </u>           |                                       |                        | -                         |           |             |                                                                                                                 |
|       |               | <u> </u> |                    |                                       |                        |                           |           |             |                                                                                                                 |
|       |               |          |                    |                                       |                        | n - 2                     |           |             |                                                                                                                 |
|       |               |          |                    | 5 B                                   | 14                     |                           |           |             | 4                                                                                                               |
|       | * .           |          |                    |                                       |                        |                           |           |             | 8 4 <sup>10</sup> 8                                                                                             |
|       | 1 D D         |          |                    |                                       |                        | 8                         |           |             |                                                                                                                 |
|       |               |          |                    | i i i i i i i i i i i i i i i i i i i |                        |                           |           |             |                                                                                                                 |
|       |               |          |                    |                                       |                        |                           |           | ×           |                                                                                                                 |
|       |               |          |                    |                                       |                        |                           |           | - 2         |                                                                                                                 |
|       |               |          |                    |                                       |                        |                           |           |             |                                                                                                                 |
|       |               |          |                    |                                       |                        |                           |           |             |                                                                                                                 |
|       |               |          |                    |                                       |                        |                           |           |             |                                                                                                                 |
|       |               |          | s <sup>0</sup> • - |                                       |                        |                           |           |             |                                                                                                                 |
|       |               |          |                    |                                       |                        |                           |           |             |                                                                                                                 |
|       | <u>helter</u> |          |                    |                                       |                        |                           |           |             |                                                                                                                 |
|       |               |          |                    | ×                                     | •                      |                           |           |             | ·                                                                                                               |
|       |               |          | 2011               |                                       |                        |                           |           |             |                                                                                                                 |

Purge data continued on next sheet?

Pons 2 . 1

**U**Signature



WELL ID: <u>MW-42 Zone 1</u>

| 1. PR          | OJECT IN                | FORM                    | ATION                   |                                  |                               |                             |                 |               |                               |
|----------------|-------------------------|-------------------------|-------------------------|----------------------------------|-------------------------------|-----------------------------|-----------------|---------------|-------------------------------|
| Proje          | ct Number:              | 38670                   | Task N                  | umber: 200                       | .001                          | Area of C                   | oncom.          |               |                               |
| Clien          | t: <u>Owens C</u>       | orning                  | ·                       |                                  |                               | Personne                    |                 |               |                               |
| Proje          | ct Location: _/         | nderson                 | <u>South C</u>          | arolina                          |                               | Weather:                    | ~50°F           | Derte         | 4                             |
| 2. WE          | LL DATA                 | -                       | Date I                  | Measured:                        | IN CI II                      | Time                        | 1200            |               |                               |
| ·Casin         | g Diameter:             | 1                       | inches                  | Type Or                          | RVC D SI                      | I ime:                      | 1505            | T(            | emporary Well: OYes Ono       |
| Scree          | n Diameter:             | 1                       | inchee                  | Type: a                          |                               | less 🛛 Galv. S              | teel C Teflon   | Other:        |                               |
| Total          | Depth of Well:          | 129                     | feet                    | From: Car                        |                               | less L Galv. S              | leel C Teflon   | C O Other     |                               |
| Depth          | to Static Wat           | 39.61                   | foot                    | From: 1                          |                               |                             | Top of Prote    | ctive Casing  | C Other                       |
| Depth          | to Product:             |                         | foot                    | From: D                          | Top of Well Ca                |                             | Top of Prote    | ctive Casing  | G Other                       |
| Lengt          | of Water Col            | umn: 90.3               | <b>9</b> feet           | Well Volum                       |                               |                             | Top of Prote    | ctive Casing  | C Other:                      |
|                |                         |                         |                         | Note: 1-in w                     | ell = 0.041 gal/              | gal<br>ft 2·in well = 0.    | Screened        | Interval (fro | m GS):                        |
| 3. PUF         | GE DAT                  | 4                       | Date P                  | urged: 21                        | 111                           | Time: (                     | 265             | wen = 0.007 g | avit 6-in well = 1.469 gal/ft |
| Purge          | Method:                 | Bailer, Size:           | mp (7 Perfer            | Bladder Pur                      | np 2" Sub.                    | Pump                        | 152<br>16. Pump |               | Equipment Model(s)            |
| Materia        |                         | ar Q Polyei             | thylene <b>S</b>        | auc rump []  <br>tainless [] PV/ | nertial Lift Pur              | p 🖾 Other:                  | ·               | - t. <u> </u> | KCP Diables sump              |
|                |                         | Dedic                   | ated OF                 | repared Off-Sil                  | Field-Cl                      | eaned Disp                  | osable          | 2             | 121 226                       |
| Materia        | us: Rope/Tubii          | Dedica                  | nylene OPc<br>ated OPre | olypropylene C<br>pared Off-Site | Teflon® 🖬  <br>G Field-Clear  | Nylon Cl Other.             | ahla            | 3             | UKI ISCE                      |
| Volume         | to Purge (min           | iimum): <u>M</u>        | well well               | volumes or                       | -<br>-                        | gallons                     |                 | 4             | <u> </u>                      |
| Was we         | ell purged dry?         | O Yes                   | X No                    | Pumping Ra                       | te:                           | gal/min                     |                 |               | Calibrated? Ves               |
| Time           | Cum. Gallons<br>Removed | pH                      | Temp                    | Spec. Cond.                      | ORP                           | DO                          | Turbidity       |               | T                             |
|                | (gal)                   | ±0.1 su                 | ±2°C                    | > of ±3% or<br>±10 µS/cm         | > of ±10% o<br>±20 mV         | r > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU        | Water Leve    | Comments                      |
| 0810           | YSI Full                | 7.14                    | 15.15                   | 0.207                            | - 56.2                        | 3.22                        | 3.98            | 39.22'        |                               |
| 0820           | 0.1                     | 7.05                    | 1555                    | 0.202                            | -78.4                         | 1.65                        | 3.27            | 3921          |                               |
| 0840           | 03                      | 8.41                    | 15.86                   | 0.208                            | -99.4                         | 0.86                        | 4.99            | 39.21         |                               |
| 0900           | 0.5                     | 9.18                    | 15.85                   | 0.223                            | -95.4                         | 1.07                        | 15.8            | 39.19         |                               |
| 0920           | 0.7                     | 9.20                    | 15.62                   | 0.216                            | -85.0                         | 1.61                        | 23.1            | 3919          |                               |
|                |                         | 2.1                     |                         |                                  |                               |                             | 47.1            | Purge data    | Continued on payt cheet?      |
| . SAMF         | LING DA                 | ТА                      |                         |                                  |                               |                             |                 | Geoch         | emical Analyses               |
| Method(s       | ): Dentri               | er, Size:<br>fugal Pump | Peristalitio            | Bladder Pump                     | Q 2" Sub. Pun<br>al Lift Pump | np 014° Sub. F              | ump             |               | structure Andryses            |
| Materials:     | Pump/Bailer             | C Polyethyle            | ene 🖬 Staini            |                                  | Teflon®                       | Other:                      |                 | remou         | s iron:prg/L                  |
| Materials      | Tubing                  | Polvethyle              | Prep                    | ared Off-Site                    | Field-Cleane                  | ed 🛛 Disposal               | ole             | DO:           | mg/L                          |
| D              | - and a start of a      | Dedicated               | Prepare                 | d Off-Site                       | Field-Cleaned                 | n Other<br>Disposable       |                 | Nitrate:      | mg/L                          |
| Cepth to V     | vater at Time           | of Sampling             | <u>x 51.3(</u>          | <b>)</b> ₽                       | ield Filtered?                | 🗆 Yes 对                     | No              | Sulfate:      | mg/L                          |
| Sample IC      |                         | ample Dati              | e: <u>2/17/11</u>       | _ Sample Tin                     | ne: 000                       | # of Containe               | rs: 2           | Alkalinit     | y: ma/L                       |
| Equipment      | Blank Caller            | rea? The Ye             | s 🖬 No                  | 10: Up-0                         | 1711 8                        | # of Containe               | rs: 🤰           | _ /           |                               |
| -4ahusu        | Jank Collect            | ed?u Ye                 | S NO                    | ID:                              |                               | # of Containe               | rs:             | _ 11          | $\sim$                        |
| COMM           | ENTS                    | Runo                    | intale                  | 0                                | 107                           | Prova. I                    | 5-              | 11.           |                               |
|                |                         |                         |                         | 0                                |                               | - ra                        |                 | d vin.        |                               |
| to: lookide ce |                         |                         |                         |                                  |                               |                             |                 |               |                               |
| e. niciude cor | mments such as          | well condition          | , odor, prese           | nce of NAPL, of                  | other items no                | t on the field dat          | a sheet.        |               |                               |
|                |                         |                         |                         |                                  |                               | 5.                          | 71              | 01            |                               |
| тм GW-2        | (Rev 25.Sept.08 -       | sej)                    |                         | Page                             | 1.2                           | Sigi                        | nature          | Ø             |                               |



WELL ID: <u>MW-42 Zone 1</u>

| Time | Cum. Gallons | рН        | Temp   | Spec. Cond.              | ORP                    | DO                        | Turbidity | T T         |          |
|------|--------------|-----------|--------|--------------------------|------------------------|---------------------------|-----------|-------------|----------|
|      | (gal)        | ±0.1 su   | ±2°C   | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level | Comments |
| 0940 | 0.9          | 9.11      | 15.94  | 0.204                    | - 77.9                 | 2.02                      | 17.6      | 39.26       |          |
| 0155 | 1.05         | 9.05      | 15.88  | 0.198                    | -74.3                  | 2.22                      | 231       | 39 70       |          |
| 000  | Sample       | ollecto   | d. Pu  | and for                  | - 26                   | 2                         | 010       | 21.30       |          |
|      |              |           |        | IV                       |                        | ·                         |           |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      | -            |           |        |                          |                        |                           |           | - 20        |          |
|      |              | ·         |        |                          |                        |                           |           | II 21       |          |
|      |              |           |        |                          |                        |                           |           | <u>1</u>    | ·····    |
|      |              | 0         |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      |              | 2         | 9      | <u></u>                  |                        |                           |           | 3           |          |
|      | -            |           |        |                          |                        |                           |           |             |          |
|      |              |           | 1 5251 |                          |                        |                           |           |             | <i>C</i> |
|      | 1 (j)        | =         |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      | <u> </u>     |           |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             | -        |
| _    | - 2 ko K     |           |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      |              | 12<br>121 | 0      |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           | 8. I'r    |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           | . S         | - 5 *    |
|      |              |           |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             |          |
|      |              |           |        |                          |                        |                           |           |             | <i>n</i> |

Page 1 . 2

Signate



WELL ID: <u>MW-42 Zone 2</u>

| 1                | JECT IN                | IFORM                                    | ATION                 |                              |                                |                               |                             |                                      |                          |
|------------------|------------------------|------------------------------------------|-----------------------|------------------------------|--------------------------------|-------------------------------|-----------------------------|--------------------------------------|--------------------------|
| Project N        | vumber: <u>1</u>       | 38670                                    | Task N                | umber: _200                  | .001                           | Area of C                     | Concern.                    |                                      |                          |
| Client: C        | <u> Dwens Co</u>       | orning                                   |                       |                              |                                | Personne                      |                             |                                      |                          |
| Project Lo       | ocation: A             | nderson,                                 | South C               | arolina                      |                                | Weather:                      | ~50.5                       | America                              | el                       |
| 2. WELL          | DATA                   |                                          | Date A                | Aeasured:                    | 11 61 11                       | ·····                         |                             |                                      |                          |
| Casing D         | liameter:              | 1 ;                                      | inches                |                              |                                | Ime:                          | 1507                        | Те                                   | amporary Well: UYes ONo  |
| Screen D         | iameter:               | 1 = _ ;                                  | inches                | Type: 4                      | PVC CI Staint                  | ess Ci Gaiv, S                | iteel U Teflor              | 19 Cl Other:                         |                          |
| Total Dep        | oth of Well:           | 222                                      | feet                  | From: af                     |                                | sing (TOC)                    | teel Teflon                 | Other:                               | II (                     |
| Depth to S       | Static Wate            | r: 42.24                                 | feet                  | From: 2                      | Top of Well Cas                |                               | I (op of Prote              | ctive Casing                         | Other:                   |
| Depth to F       | Product:               |                                          | feet                  | From: D                      | Top of Well Ca                 |                               | Top of Prote                | ctive Casing                         | Other:                   |
| Length of        | Water Colu             | umn: / <b>79.</b>                        | 7Geet                 | Well Volum                   | ne. 30.01                      |                               |                             | ctive Casing                         | G Other:                 |
|                  |                        |                                          |                       | Note: 1-in w                 | all = 0.041 gal/ft             | gal<br>2-in well = 0.         | Screenec<br>167 gai/ft 4-in | i Intervai (from<br>1 well = 0.667 a | m GS):                   |
| 3. PURGI         | E DATA                 | ۹                                        | Date P                | urged: 2                     | 17/11                          | Time:                         | 1022                        |                                      |                          |
| Purge Met        | ¦hod: □ 8              | ailer, Size:                             | np Q Perist           | Bladder Pur                  | np Q 2" Sub. I                 | Pump Q 4" Si                  | ub. Pump                    |                                      | GED PL LL C P.           |
| Materials: /     |                        | Polyet                                   | hylene St             | ainless 🖸 PV(                | C C Teflon@                    | D Other:                      |                             | - '                                  | VKI 57                   |
| Matoriales (     | C Reader               | U Dedica                                 | ated OP               | repared Off-Si               | e Cle                          | aned Disp                     | osable                      | 2.                                   | DRT (SIM                 |
| watenais: r      | Hope/Tubin             | Dedica                                   | ated O Prep           | pared Off-Site               | J Teflon@ D N<br>D Field-Clean | lylon 🖸 Other:<br>ed 🎾 Dispos | able                        | 3                                    | VET TISCE                |
| Volume to I      | Purge (min             | imum): _ <b>T</b> u                      | Jell v                | volumes or                   |                                | gallons                       |                             | 4                                    | 2 - 24                   |
| Was well pu      | urged dry?             | C Yes                                    | ¥ No                  | Pumping Ra                   | ate:                           | gal/min                       | -                           |                                      | Calibrated? Yes          |
| Time             | am. Gallons<br>Removed | рн                                       | Temp                  | Spec. Cond.                  | ORP                            | DO                            | Turbidity                   |                                      |                          |
|                  | (gal)                  | ±0.1 su                                  | ±2°C                  | > 01 ±3% or<br>±10 µS/cm     | > or ±10% or<br>±20 mV         | > of ±10% or<br>±0.2 ma/L     | ≤ 10 NTU                    | Water Level                          | Comments                 |
| 1035 Y           | SI Full                | 7.64                                     | 15.65                 | 0.691                        | -90.1                          | 121                           | 1711                        | 417                                  |                          |
| 1055 (           | 0.2                    | 7.50                                     | 15.98                 | 0.695                        | -102.7                         | 112                           | 127                         | 45.00                                |                          |
| 115 (            | 2.4                    | 7.52                                     | 16 40                 | 0.691                        | -1102                          | 1.00                          | 17.0                        | 75.75                                |                          |
| 135 (            | 2.6                    | 151                                      | 11.50                 | A 191                        | 110.2                          | 0.57                          | 10.2                        | 39.90                                |                          |
| 166 0            | 10                     | 201                                      | 1271                  | 0.611                        | -11(.2                         | 0.43                          | 8.09                        | 61.25                                |                          |
|                  | <u>· D  </u>           | 1.24                                     | 1.7                   | 0.679                        | -106.)                         | 0.43                          | 8.61                        | 66.4                                 |                          |
| SAMPLI           | NG DA                  | ГА                                       |                       |                              |                                |                               |                             | Purge data                           | continued on next sheet? |
| Method(s)        | D Baile                | I/~1.<br>nr. Size:                       | si e                  | laddor Ruma                  |                                |                               |                             | Geoch                                | emical Analyses          |
| ,ou.iou(3).      | Centrif                | ugal Pump                                | D Peristaltic         | Pump C Inert                 | ial Lift Pump                  | Cther:                        | Pump                        | Ferrous                              | s Iron:me/L              |
| Materials: Pur   | mp/Bailer              | Polyethyle Dedicated                     | ne 🕺 Stainle<br>Prepa | ess O PVC C<br>ared Off-Site | Teflon® Q<br>S Field-Cleaner   | Other                         |                             | DO:                                  |                          |
| Materials        | bing/Rope              |                                          | ne 🛛 Polypr           | opylene 🛛 Te                 | flon® I Nylon                  | Other:                        |                             | Nitest                               |                          |
| Depth to Wate    | er at Time c           | of Sampling                              | u Prepare<br>I:       | a Ott-Site 🖸                 | Field-Cleaned                  | Disposable                    |                             | ivitate:                             | → <sup>mg/L</sup>        |
| Sample ID: M     | N-42 205               | 42<br>ample Date                         | 2/12/11               | Sample Ti-                   |                                | O Yes A                       | No                          | Sulfate:                             | / mg/L                   |
| Duplicate Sarr   | nple Collect           | ed? Q Ye                                 | s R No                | _ oumple In<br>ID:           |                                | # of Containe                 | ers:                        | Alkalinit                            | /hg/L                    |
| Equipment Bla    | ank Collecte           | ed? 🗆 Yes                                | s 🎾 No                | ID:                          |                                | # of Containe                 | rs:                         | - /                                  |                          |
| COMMEN           | ITC                    | 0.                                       |                       | A                            |                                |                               | 15;                         | -1/                                  |                          |
| COMMEN           | 10 _                   | ramp                                     | intak                 | e er                         | 100'.                          | Punge                         | for 2                       | 6.                                   |                          |
| 1.0              |                        |                                          |                       | 1                            | 19.25°                         | /                             | 1.00                        |                                      |                          |
|                  | <u></u>                | 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. |                       |                              |                                |                               |                             |                                      |                          |
| : Include commei | nts such as v          | vell condition                           | , odor, prese         | nce of NAPL. o               | other items on                 | on the field d-               | a chost                     |                                      |                          |



WELL ID: <u>MW-42 Zone 2</u>

| <u>3. PUR</u> | <u>GE DATA</u>          | (contir           | nued from | n page                   | ( )                    |                           |           | 5                       |          |
|---------------|-------------------------|-------------------|-----------|--------------------------|------------------------|---------------------------|-----------|-------------------------|----------|
| Time          | Cum. Gallons<br>Removed | рН                | Temp      | Spec. Cond.              | ORP                    | DO                        | Turbidity |                         |          |
|               | (gal)                   | ±0.1 su           | ±2°C      | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Wat <del>er</del> Level | Comments |
| 1215          | 1.0                     | 7.84              | 17.71     | 0.702                    | -97.4                  | 0.51                      | 9.22      | 72.81                   |          |
| 1222          | (.)                     | 7.53              | 17.57     | 0.702                    | -94.0                  | 6.61                      | 8.81      | 74.6                    |          |
| 1225          | Sample                  | e calle           | eted.     | Purged                   | for 2                  | ha                        |           |                         |          |
|               | 1                       |                   |           |                          |                        |                           | ~         |                         |          |
|               |                         |                   |           |                          |                        | 0                         |           |                         |          |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
|               |                         | 91 <sup>- 1</sup> |           | -0 2 C                   |                        |                           |           |                         |          |
|               |                         | 1                 | 18.4      |                          |                        |                           |           |                         |          |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
| -             | _                       |                   |           |                          |                        |                           |           |                         |          |
| 12            |                         |                   |           |                          |                        |                           |           |                         |          |
| ×0            |                         |                   |           | e.                       |                        |                           |           |                         |          |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
|               | -                       |                   |           |                          |                        |                           | 5         |                         | _        |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
|               |                         |                   |           |                          |                        | 247 C                     |           |                         |          |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
|               |                         | -                 |           |                          |                        |                           |           |                         |          |
| × _           |                         |                   |           |                          |                        |                           |           |                         |          |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
|               |                         | <u> </u>          |           |                          |                        |                           |           |                         |          |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
|               |                         |                   |           |                          |                        |                           | 6 = 33    |                         |          |
|               |                         |                   |           |                          |                        |                           |           |                         |          |
|               | 1.8                     |                   | 1         |                          |                        |                           | VI        |                         |          |

Purge data continued on next sheet?

Page 2 . J

Signature



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## GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: <u>MW-42 Zone 3</u>

| Project Number: 138670                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1. PF       | ROJECT I             | NFORM          | IATION       |                                 |                                |                           |                           |                 |                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------|----------------|--------------|---------------------------------|--------------------------------|---------------------------|---------------------------|-----------------|---------------------------------|
| Clent       Outers Counting       Personal:       DM         Project Location:       Anderson, South Carolina       Weather:       25°F       Oversul         2. WELL DATA       Date Measured:       Inches       Type:       9°Project Locating       Temporary Weit:       Dire         3. Casing Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Proj        | ect Number: _        | 138670         | Task N       | Number: <u>20</u>               | 0.001                          | Area of (                 | Concerne                  |                 |                                 |
| Project Location:       Anderson, South Carolina       Weather:       2011       Provided:       2011       Time:       2011       Total Data         2. WELL DATA       Date Measured:       ////////////////////////////////////                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Clier       | nt: <u>Owens (</u>   | Corning        |              |                                 |                                | Persone                   |                           |                 |                                 |
| 2. WELL DATA         Date Measured:         ///                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Proje       | ect Location:        | Anderson       | , South (    | Carolina                        |                                | Weather                   | · - 54.6                  | A-100 0         |                                 |
| Casing Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2. WE       | LL DATA              |                | Date         | Magaurad                        | . 100 P A 01                   |                           |                           |                 |                                 |
| Screen Diam ter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Casir       | ng Diameter:         | i i            | inches       | Tunoi at                        | <u> 4. r.h.  </u>              | Time: _                   | 1509                      | T               | emporary Well: QYes Ch          |
| Total Depth of Welt:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Scree       | en Diameter          |                | wiches       | Type.                           | PVC U Stain                    | nless 🖸 Gaiv. S           | Steel C Teflor            | n® 🛛 Other:_    |                                 |
| Depth to Static Water:       Sett       From: d' Top of Well Casing (TOC)       Top of Protective Casing       Other:         Depth to Product:       Least       From: d' Top of Well Casing (TOC)       Top of Protective Casing       Other:         Langth of Water Column <sup>4</sup> Least       From: d' Top of Well Casing (TOC)       Top of Protective Casing       Other:         3. PUFRGE DATA       Date Purged:       All:All       Time:       Screened Interval (Ifom GS):         Purge Method:       Casing: Dup Depthsized Purg Directic All:All       Time:       Static Water Column <sup>4</sup> Screened Casing       Casing Purge         Materials       Constitution Purge Casing:       Direct Interval (Ifom GS):       Time:       Screened Casing       Casing Purge         Volume to Purge (inimitum):       Materials       Purgened OKSing Priete/Casend Directione       3. DRT - ISCE       3. DRT - ISCE         Volume to Purge (inimitum):       Materials: Ropeditubine       Purgened OKSing Priete/Casend Directione       3. DRT - ISCE       3. DRT - ISCE         Volume to Purge (inimitum):       Materials: Ropeditubine       Purgened OKSing Priete/Casend Directione       3. DRT - ISCE         1355       Y15       Mall       7.82       7.96       0.211       7.95       3.21       7.3       37.23         1405       0.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Total       | Depth of Well        | · 285          | feet         | From a                          | PVC U Stain                    | iless 🖸 Galv. S           | Steel C Teflor            | 10 🖸 Other:_    |                                 |
| Depits brack outcomediates       From: G Top of Weil Casing (TOC) G Top of Protective Casing G Other:         Langth of Water Column <sup>448</sup> .0 <sup>2</sup> eet       From: G Top of Weil Casing (TOC) G Top of Protective Casing G Other:         3. PURGE DATA       Date Purged: <u>JICH</u> , Time: J355         Scenered Interval (from GS):       Scenered Interval (from GS):         Purge Method:       Generitiqual Purge G Perstatitic Purge G Instruct (from GS):       Scenered Interval (from GS):         Materials (fund)       Dedicated O Perspective G Stations G PVC       Generitiqual Purge G Instruct (from GS):       Scenered Interval (from GS):         Materials (fund)       Dedicated O Perspective G Stations G PVC       Discosable       2. XSI: SSE         Volume to Purge (minimum):       Metrical Purporpare G Tolore J Protocome G Janna       3. DET - ISCE         Volume to Purge (minimum):       Metrical Purporpare G Janna       Galfraid         Time       Cam. Galons       PH       Temp Spec. Cond.       OTP DO       Turbiday         Vas well purged dry?       V vs D No       Purping Pate:       galfrain       Casterated? X vs G         Time       Cam. Galons       PH       Temp Spec. Cond.       OTP DO       Turbiday       Water Level       Comments         13555       YSI Rull       7.82       (7.96       0.211       -95.8       3.21       23.3 </td <td>Depth</td> <td>to Static Wat</td> <td>36.98</td> <td>reet</td> <td>From: G</td> <td>F Top of Well Ca</td> <td>asing (TOC) (</td> <td>Top of Prote</td> <td>ctive Casing</td> <td>Other:</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Depth       | to Static Wat        | 36.98          | reet         | From: G                         | F Top of Well Ca               | asing (TOC) (             | Top of Prote              | ctive Casing    | Other:                          |
| Length of Voluce.       Teel       Flore.       Unit is the effect of                             | Depth       |                      | a. <u></u>     | reet         | From: U                         | Top of Well Ca                 | asing (TOC) (             | Top of Prote              | ctive Casing    | G Other:                        |
| Surgerou value Coulding       Weil Volume: <u>199, 11</u> out       Screened Interval (from GS):         3. PURGE DATA       Date Purged: <u>2/13/11</u> Time: <u>1335</u> Screened Interval (from GS):         Purge Method       Baker, Size: <u>1018/adit Purge</u> 012's up Purge       Screened Interval (from GS):       Screened Interval (from GS):         Materials       Purge Method       Date Purged: <u>2/13/11</u> Time: <u>1335</u> Screened Interval (from GS):       Screened Interval (from GS):         Materials       Portor Purge of Stainless D PVC 0 Tethol® O Other:       1. OED Bulk: Rev       Stainless D PVC 0 Tethol® O Other:       3. DRT - 15726         Volume to Purge (minimur):       Materials: Roperfulbing       Portor Portor Purge of Stain On Performance O Total Other:       3. DRT - 15726         Volume to Purge (minimur):       Materials: Roperfulbing       Portor Purge of Stain Or Part Of Stain Or Part Other       3. DRT - 15726         Volume to Purge (minimur):       Materials: Cond. ORP       DO Turbidity       Water Level       Comments         Vas well purged dig?       U Yes A No       Purging Rate:       galfinin       Calibraind? A Yes 0         Time       Cum. Galions       PH       Temp Spec. Cond. ORP       DO       Turbidity       Water Level       Comments         13555       Y51 Kull       7.82       17.96       0.211       -95.8       3.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Lenat       | h of Water Col       | 248.0          | _ieet        | From: Q                         | Top of Well Ca                 | asing (TOC)               | Top of Prote              | ctive Casing    | G Other:                        |
| 3. PURGE DATA       Date Purged: 2/13/1       Time: 1335       Equipment Model(s)         Purge Method:       Contribude Purge Devisation Devision Devisi                                                               |             | of water Co          |                | ieet         | Well Volu                       | me: <u>49.4</u>                | gat                       | Screened                  | i Interval (fro | om GS):                         |
| Purge Method:       Date Funged:       2112/11       Time:       1335       Edubment Modelial         Materials (Pump Bailer)       Desktable Pump Desktable Pump Desktable Of Terms Desktable       Desktable Of Terms Desktable       1.       DE       Desktable Reg         Materials (Pump Bailer)       Desktable Of Terms Desktable Of Terms Desktable       Desktable Of Terms Desktable       3.       DZT - ISCE       3.       DZT - ISCE         Volume to Purge (minimum):       MitFyrade Of Sile Of Telm Of Do       Do       3.       DZT - ISCE       3.       DZT - ISCE         Vas well porged dry?       Vas XI No       Pumping Rate:       gal/min       Calibrated? Xi Yes       0.         Time       Cum. Gatons pH       Temp Desc. Cond       ORP       a2 mg/l       si to NTU       Water Level       Comments         1355       YSI KALL       7.52       7.74       0.21       7.95       0.27       7.77       42.4         1405       0.3       7.74       18.15       0.75       7.77       7.74       2.4         1405       0.3       7.74       18.15       0.75       7.77       7.74       2.4         1405       0.3       7.74       18.32       0.192       -84.7       3.49       7.3       45.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3. PUF      | GE DAT               | Δ              | Dote D       | Hold. T-MY                      | ven = 0.041  gain              | nt 2-in well = 0.         | .167 gal/ft 4-ir          | well = 0.667    | gal/ft 6-in well = 1.469 gal/ft |
| Materials       Certifugal Pump       Prestable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Purae       | Method: Q            | Bailer, Size:  |              | Urgeo: _                        | 1711                           | Time:                     | 335                       |                 | Equipment Model(s)              |
| Materials (Pump/Baller Devolutions of Points)       Points (Pump/Baller Devolutions of Prepard ON-Site Streich Cleaned Disposable       2. <u>N1 - 556</u> Materials: Roperfubing Performance of Devolution of Chiles Disposable       3. D2 T - 152 (F         Volume to Purge (minimum):       Materials: Oldecard One Prepard ON-Site Disposable       4.         Vas well purged dny?       1 ves 20 No       Pumple Rate: gal/min       Calibrated? Xies D         Time       Removed (gal)       to 1 size s2 <sup>-</sup> > of a3% or i of a10% or > of a 10% or i of a10% or i of a0% or i of a10% or > of a 10% or i of a10% or i of a0% or i of a10% or i o                                                                                                                                                                                            | 1           |                      | entrifugal Pur | np 🖸 Peris   | taltic Pump                     | Inertial Lift Pum              | Pump 0.4*S<br>ap 0.0ther: | ub. Pump                  | 1               | QED Bladler Run                 |
| Materials: Roper Linn       Propertion       Propertion       Dedicated       Propertion       3.       DZT - /52 E         Volume to Purge (minimum):       No       Propertion       Galbrated       Propertion       3.       DZT - /52 E         Was well purged dry?       Yes       No       Pumping Rate:       gal/min       Calbrated?       X Yes       4.         Time       Removed       propertion       Spec. Cond.       ORP       DO       Turbidity       Yes       X         1355       Y51       FUL       7.82       I.7.16       O.211       -95.8       3.21       23.3       37.23         1405       O.1       7.80       IS.11       0.202       -104.4       2.28       23.2       37.3         1405       O.3       7.74       IS.15       0.192       -101.1       I.57       17.7       42.4         44/55       O.3       7.74       IS.35       0.192       -101.1       I.57       17.7       42.4         44/55       O.3       7.74       IS.35       0.192       -27.1       J.8       45.9         505       0.7       7.73       IS.22       0.192       -84.7       J.492       J.3       48.15 </td <td>Materia</td> <td>als (Pump/Bail</td> <td>er Dedica</td> <td>tivlene Sa S</td> <td>tainless D PV<br/>Prepared Off-S</td> <td>C C Teflon®</td> <td>O Other:</td> <td></td> <td>- 2.</td> <td>YS1.536</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Materia     | als (Pump/Bail       | er Dedica      | tivlene Sa S | tainless D PV<br>Prepared Off-S | C C Teflon®                    | O Other:                  |                           | - 2.            | YS1.536                         |
| Volume to Purge (minimum):       Minimum):       Minim       Minimum):       Mi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Materia     | als: Rope/(Tubi      |                | hylene 🖸 Po  | olypropylene                    |                                | Valon (1 Other            | oosable                   | 3               | DRT.ISIK                        |
| Was well purged dry?       Yes       An       Pumping Pate:       gallons       Catbrated?       Xives         Time       Cum. Gallons       PH       Temp       Spec. Cond.       ORP       DO       Turbidity       Water Level       Comments         1355       Y51       Full       7.82       17.96       0.211       -95.8       3.21       23.3       37.23         1405       0.1       7.82       17.96       0.211       -95.8       3.21       23.3       37.23         1405       0.1       7.82       17.96       0.211       -95.8       3.21       23.3       37.23         1405       0.1       7.80       18.11       0.202       -109.11       1.57       17.7       42.4         4455       0.3       7.79       18.32       0.192       -84.7       3.49       /3.3       48.15         Sols       0.7       7.73       18.32       0.192       -84.7       3.49       /3.3       48.15          0.77       7.73       18.32       0.192       -84.7       3.49       /3.3       48.15          0.77       7.73       18.32       0.192       -84.7 <t< td=""><td>Volume</td><td>e to Purge (mir</td><td></td><td>ited UPre</td><td>pared Off-Site</td><td>G Field-Clear</td><td>ned M Dispos</td><td>able</td><td>U</td><td>IJCE</td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Volume      | e to Purge (mir      |                | ited UPre    | pared Off-Site                  | G Field-Clear                  | ned M Dispos              | able                      | U               | IJCE                            |
| Curr. Callors       PH       Temp       Spec. Cond.       OR       OR       Do       Turblidiy       Water Level       Calibrated?       X ves       D         Time       Gailor       40.1 su       ±2°C       > of 340% or       > of 10% or <t< td=""><td>Was we</td><td>en purged drug</td><td>• • • Yae</td><td></td><td>volumes or _</td><td></td><td>gallons</td><td></td><td>4</td><td></td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Was we      | en purged drug       | • • • Yae      |              | volumes or _                    |                                | gallons                   |                           | 4               |                                 |
| Time       Removed<br>(gal)       10.1       10.2       0.42%       0.43%       0.7       0.43%       0.7       0.1       0.2       0.1       water Level       Comments         1355       Y51       Full       7.82       17.96       0.211       -95.8       3.21       23.3       37.23         1405       0.1       7.82       17.96       0.211       -95.8       3.21       23.3       37.23         1405       0.1       7.80       18.15       0.195       -109.1       1.57       17.7       42.4         1425       0.3       7.79       18.15       0.192       -109.1       1.57       17.7       42.4         1425       0.3       7.79       18.15       0.192       -84.7       3.49       /3.3       48.15         505       0.7       7.73       18.32       0.192       -84.7       3.49       /3.3       48.15         Sample Date: Size:       Balder Pump       Peristatic Pump       2'Sub. Pump       -4'Sub. Pump       Purge data continued on next sheet?       Sample Tom:       mg/L         Method(s):       Balder, Size       Balder Pump       Prepared Off.Site       Other:       Disposable       Nitrate:       mg/L<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | Cum. Gallons         | s pH           | Temp         | Spec Cond                       | ate:                           | gal/min                   |                           | ·····           | Calibrated? X Yes               |
| Ugan       201 Nu       200       ± 10 µS/cm       ± 20 myl       ± 20 myl       ± 10 µS/cm       ≤ 10 NTU       Water Lavel       Comments         1355       Y51 Full       7.82       17.96       0.211       -95.8       3.21       73.3       37.23         1405       0.1       7.82       17.96       0.211       -95.8       3.21       73.3       37.23         1405       0.3       7.79       (8.15       0.192       -109.1       1.57       17.77       42.4         1425       0.3       7.79       (8.15       0.192       -13.9       2.71       13.8       45.9         505       0.7       7.73       18.35       0.192       -84.7       3.49       /3.3       48.15         SAMPLING DATA         Method(s):       Bailer, Size:       #Bladder Pump       2* Sub. Pump       14 Sub. Pump       As.15         Materials:       fublinyRope       Polyethylone       Prepared Off.Site       Tellon®       Other:       mg/L         Materials:       fublinyRope       Polyethylone       Orepared off.Site       Field Cleaned       Disposable       No       Nitrate:       mg/L         Depicht to Water at Time of Sampling;       51.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Time        | Removed              | +0.1.eu        |              | > of ±3% or                     | $\frac{ORP}{1 > 0f + 10\% of}$ | DO                        | Turbidity                 |                 |                                 |
| 1355       YSI Mull, 7.82       17.96       0.211       -95.8       3.21       23.3       37.23         1405       0.1       7.80       I8.11       0.202       -104.4       2.28       23.2       39.3         1425       0.3       7.79       I8.15       0.195       -109.1       1.57       17.7       42.4         445       0.5       7.74       I8.35       0.192       -13.9       2.71       13.8       45.9         505       0.7       7.73       I8.32       0.192       -84.7       3.49       13.3       48.15         SAMPLING DATA         Method(s):       Bailer, Size:       #Bladder Pump       2* Sub. Pump       14* Sub. Pump       14* Sub. Pump         Materials: fum/Bailer       Polyethylene       Prepared Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10          | (gal)                | 10.1 50        | ±2°C         | ±10 µS/cm                       | ±20 mV                         | ±0.2 mg/L                 | ≤ 10 NTU                  | water Leve      | Comments                        |
| 1405       0.1       7.80       18.11       0.202       -104.4       2.28       23.2       39.3         1425       0.3       7.79       18.15       0.195       -109.1       1.57       17.7       42.4         1425       0.5       7.74       18.15       0.192       -109.1       1.57       17.7       42.4         1425       0.5       7.74       18.35       0.192       -13.9       2.71       13.8       45.9         505       0.7       7.73       18.32       0.192       -84.7       3.49       /3.3       48.15         SAMPLING DATA         Method(s):       Bailer, Size:       #Bladder Pump       2*Sub. Pump       0.4*Sub. Pump         Materials:       Polyteryleine       Polyteryleine       9*Pepared Off-Site       1*Fleid-Cleaned       1>Disposable         Materials:       Publickie       Polyteryleine       Polyteryleine       1*Fleid-Cleaned       1>Disposable       Nitrate:       mg/L         Displaced a ampling:       7.20'       Fleid Filtered?       Yes & No       No       Sulfate:       mg/L         Sample Di-M#1       Sample Time:       #0       Containers:       2       Aikalinity:       mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1355        | YSI Full             | 7.82           | 17.96        | 0.211                           | -95.8                          | 371                       | 723                       | 21 77           |                                 |
| 1425       0.3       7.79       18.15       0.795       -107.1       1.57       17.7       42.4         445       0.5       7.74       18.35       0.192       -13.9       2.71       13.8       45.9         505       0.7       7.73       18.32       0.192       -84.7       3.49       /3.3       48.15         SAMPLING DATA         Method(s):       Bailer, Size:       #Biladder Pump       2'Sub. Pump       4'Sub. Pump       deochemical Analyses         Materials:       Centrifugal Pump       Prepared Off.Site       #Field-Cleaned       Disposable       Do:       mg/L         Materials:       Cubic Pope       Polyeithylene       Polyeithylene       Prepared Off.Site       #Field-Cleaned       Disposable         Materials:       Cubic Prepared Off.Site       #Field-Cleaned       Disposable       Nitrate:       mg/L         Sample ID:       #Aserials:       Sample Date:       #If.14       Sample Time:       %10       Octatainers:       2         Ouplicate Sample Collected?       Yes # No       No       ID:       # of Containers:       2       Alkalinity:       mg/L         Quipment Blank Collected?       Yes # No       No       Yes # of Containers: <td>1405</td> <td>0.1 -</td> <td>7.81)</td> <td>18.11</td> <td>A 200</td> <td>-INILL</td> <td>200</td> <td>22.5</td> <td>57.05</td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1405        | 0.1 -                | 7.81)          | 18.11        | A 200                           | -INILL                         | 200                       | 22.5                      | 57.05           |                                 |
| 145       0.5       1.77       18.15       0.192       -109.1       1.57       7.7       42.4         445       0.5       1.94       18.35       0.192       -13.9       2.71       13.8       45.9         505       0.1       7.73       18.32       0.192       -84.7       3.99       /3.3       48.15         Purge data continued on next sheet?         SAMPLING DATA         Method(s):       Bailer, Size:       #Bladder Pump       2"Sub, Pump       4"Sub, Pump         Materials:       Centrifugal Pump       Perstattic Pump       0.1011       1.1500       1.1000         Materials:       Centrifugal Pump       Perspared Off-Site       Field-Cleaned       0.1015       mg/L         Dedicated       Prepared Off-Site       Field-Cleaned       1015053able       Sulfate:       mg/L         Naterials:       Culling/Rope       Followeith/lene       Sample Time: MO       # of Containers:       2       Nitrate:       mg/L         Duplicate Sample Collected?       Yes       No       ID:       # of Containers:       2       Alkalinity:       mg/L         Equipment Blank Collected?       Yes       No       ID:       # of Containers:       2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 425         | 03                   | 710            | 10.0         | 0.007                           | -107.7                         | 0.28                      | 25.2                      | 39.3            |                                 |
| 975       0.5       1.74       18.35       0.192       -13.9       2.71       13.8       45.9         505       0.7       7.73       18.32       0.192       -84.7       3.49       /3.3       48.15         Purge data continued on next sheet?         Materials: Size: Bailer, Size: Bailer, Size: Bailer, Size: Bailer, Size: Bailer, Size: Beicated Pump [] 2* Sub, Pump [] 4* Sub, Pump [] 4* Sub, Pump [] Centrifugat Pump [] Peristatic Pump [] 1ential Lift Pump [] 0.ther:       deochemical Analyses         Materials: fump/Bailer Polyethylene # Stainless [] PVC [] Teflor@ [] Other:       mg/L       Do:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11/10-      | <u>0.0</u>           | 4.77           | 18.15        | 0.195                           | -109.1                         | 1.57                      | 17.7                      | 42.4            |                                 |
| 505       0.7       7.73       18.32       0.192       -84.7       3.49       /3.3       48.15         Purge data continued on next sheer?         Method(s):       Bailer, Size:       Bladder Pump       2* Sub. Pump       4* Sub. Pump         Method(s):       Bailer, Size:       Bladder Pump       2* Sub. Pump       4* Sub. Pump         Method(s):       Bailer, Size:       Bladder Pump       2* Sub. Pump       4* Sub. Pump         Materials:       Pump/Bailer       Potyethylene       Stainless       Pvc (Detrive)       Field Stainless       Pvc (Detrive)         Materials:       Pump/Bailer       Potyethylene       Prepared Off-Site       Field-Cleaned       Disposable         Materials:       Time/Bailer       Potyethylene       Potypropylene       Teflore@       Other:       No         Depth to Water at Time of Sampling:       51.20       Field Filtered?       Yes X       No       Sulfate:       mg/L         Sample ID:       Yes X       No       ID:       # of Containers:       2       Alkalinity:       mg/L         Supplicate Sample Collected?       Yes X       No       ID:       # of Containers:       2       Alkalinity:       mg/L         COMMENTS       Pump <t< td=""><td>770</td><td>0.5</td><td>4.74</td><td>8.35</td><td>0.192</td><td>-13.9</td><td>2.71</td><td>13.8</td><td>459</td><td></td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 770         | 0.5                  | 4.74           | 8.35         | 0.192                           | -13.9                          | 2.71                      | 13.8                      | 459             |                                 |
| SAMPLING DATA       Purge data continued on next sheet?         Method(s):       Bailer, Size:       Bladder Pump       2* Sub, Pump       4* Sub, Pump         Method(s):       Centrifugal Pump       Peristattic Pump       1 artial Lift Pump       0 ther:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 505         | 0.7                  | 7.73           | 18.32        | 6.192                           | -847                           | 2 20                      | 127                       | 1010            |                                 |
| SAMPLING DATA       Purge data continued on next sheet?         Method(s):       Bailer, Size:       Bladder Pump       2* Sub. Pump       deochemical Analyses         Materials:       Centrifugal Pump       Perstattic Pump       0 ther:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |                      |                |              |                                 | 01.7                           | 2.79                      | 1251                      | TO.15           |                                 |
| Method(s):       Bailer, Size:       Bladder Pump       2* Sub. Pump       4* Sub. Pump         Materials:       Centrifugal Pump       Peristattic Pump       Intertial Lift Pump       Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SAMP        | LING DA              | TA             |              |                                 |                                |                           |                           | Purge data      | continued on next sheet?        |
| Materials:       Polyethylene       Image: Stainless       PVC       Teffort®       Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Method(s)   | : D Baile            | er, Size:      | <b>A</b> E   | Bladder Pump                    | C 2" Sub. Pum                  | IP 0 4" Sub F             | lumo <sup>s</sup> c       | Geoch           | emical Analyses                 |
| Image: Strand Contract of Containers in the strain of t | Materials   | Fump/Bailer          | O Polvethyle   | Penstatuc    | Pump C Inert                    | ial Lift Pump 🗖                | Other:                    |                           | Ferrous         | s Iron: mg/L /                  |
| Materials:       Iubing Rope       Polysitylene       Polypropylene       Teflor@       Nylon       Other:       Nitrate:       Nitrate:         Depth to Water at Time of Sampling:       51.20'       Field Filtered?       Yes       No       Sulfate:       mg/L         Sample ID:       Mirate:       Jit / Iu       Sample Time:       Sulfate:       mg/L         Duplicate Sample Collected?       Yes       No       ID:       # of Containers:       2         Comments Blank Collected?       Yes       No       ID:       # of Containers:       4         Comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.       Attach as heet.       Attach as heet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             | Giller               | Dedicated      | D Prepa      | ared Off-Site                   | Field-Cleaned                  | Other:d Disposal          | le                        | DO:             |                                 |
| Depth to Water at Time of Sampling:       51.20'       Field Filtered?       Yes INo         Sample ID:       Sample Date:       11111       Sample Time:       10         Duplicate Sample Collected?       Yes INO       10:       # of Containers:       2         Sulfate:       mg/L         Sulfate:       mg/L         Sulfate:       mg/L         Sulfate:       mg/L         Sulfate:       mg/L         Alkalinity:       mg/L         Sulfate:       mg/L <t< td=""><td>Materials:</td><td>Tubing/Rope</td><td>Polyethyler</td><td>e C Polypr</td><td>opylene CI Te</td><td>fion® C Nylon</td><td>Other:</td><td></td><td>Nitrate</td><td></td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Materials:  | Tubing/Rope          | Polyethyler    | e C Polypr   | opylene CI Te                   | fion® C Nylon                  | Other:                    |                           | Nitrate         |                                 |
| Sample ID: MARK Sample Date: <u>Alt7/u</u> Sample Time: <u>SYO</u> # of Containers: <u>2</u><br>Duplicate Sample Collected? Yes No ID: <u># of Containers:</u> Alkalinity: <u>Markalinity: mg/L</u><br>Equipment Blank Collected? Yes No ID: <u># of Containers:</u><br>COMMENTS <u>Pump intake e ~ 100'</u> <u>Puge for 2 hrs</u> .<br>Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Depth to W  | later at Time o      | of Sampling    | 51.20        |                                 | ield Siltorod?                 | Disposable                |                           | initiale.       |                                 |
| Duplicate Sample Collected?       Yes # No       ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Sample ID:  | 1-1-1- S             | ample Date     | 2/17/4       | Samnle Tin                      | ne SYO                         | U Yes A                   | No 1                      | Sulfate:        |                                 |
| Equipment Blank Collected? D Yes No ID: # of Containers:<br>COMMENTS Pump intake e ~ 100' Puge for 2 hrs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Duplicate S | Sample Collect       | ed? 🛛 Yes      | No No        | ID:                             |                                | # of Containe             | rs:                       | Alkalinity      | /:mg/L                          |
| COMMENTS Pump intake e ~ 100'. Profe for 2 hrs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Equipment   | Blank Collecte       | ed? 🖸 Yes      | No No        | ID:                             |                                | # of Cantaine             | rs:                       | -               | /                               |
| Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | COMM        | ENTS                 | $\mathbf{D}$   |              |                                 |                                | # UI Containei            | s:                        | -               | ~                               |
| Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                      | rump           | intake       | e ~ 1(                          | D'. 7                          | vge for                   | 2 hrs.                    |                 |                                 |
| Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                      | ·              |              |                                 |                                | 0                         |                           |                 |                                 |
| the second progende of MAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Include com | ments such as w      | ell condition  | odor, press  | Co of NACI                      |                                |                           | é <sup>la te</sup> l a pl |                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                      |                |              | of the second                   | other items not                | on the field data         | a sheet.                  | <u>A</u>        |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             | (inev 20.5ept.08 - 5 | iej)           |              | . 1                             | 1 1                            | Sian                      | atura /                   | <del>(-)-</del> |                                 |



WELL ID: <u>MW-42 Zone 3</u>

3. PURGE DATA (continued from page Cum. Gallons pН Temp Spec. Cond. ORP DO Turbidity Time Removed > of ±3% or |> of ±10% or |> of ±10% or Water Level Comments ±0.1 su ±2°C ≤ 10 NTU (gal) ±10 µS/cm ±20 mV ±0.2 mg/L 0.9 -84.3 3.51 1525 7.98 50.28 .73 18.61 0.192 1535 1.0 9.36 51.20 7.74 18.76 0.192 -84.8 3.56 fir 1540 Purged Samole sllerted 2 ٤ 5 . ! •

Purge data continued on next sheet?

Page 2 of 2



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Nd

# GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: <u>MW-15</u>

| 1. PR             | OJECT IN                                       | IFORM                    |                                                     | J                              |                           |                           |                                   |                   |                             |              |
|-------------------|------------------------------------------------|--------------------------|-----------------------------------------------------|--------------------------------|---------------------------|---------------------------|-----------------------------------|-------------------|-----------------------------|--------------|
| Proje             | ect Number: <u>1</u>                           | 38670                    | Task                                                | •<br>Number: 10                | 0-001                     | <b>A</b>                  |                                   |                   |                             |              |
| Client            | t: <u>Owens Co</u>                             | orning                   |                                                     |                                | 0.001                     | Area c                    | of Concern:                       |                   |                             |              |
| Projec            | ct Location: A                                 | nderson                  | , South                                             | Carolina                       |                           | Veath                     |                                   | 1 1165            | 215                         | •            |
| 2. WE             | LL DATA                                        |                          | Date                                                | Measured                       | : 5-4.11                  | Time                      | 1.1.1.1                           | 037               | _ <u> </u>                  |              |
| Casin             | g Diameter:                                    | 2                        | inches                                              | يز :Type                       |                           | inless D Cal              | Shall LL T.                       | T                 | emporary Well: UYes         | No           |
| Scree             | n Diameter:                                    | 2                        | inches                                              | Type: 🖌                        | ÍPVC ⊔ Sta                | inless U Galv             |                                   | Other:Other:      |                             |              |
| Total (           | Depth of Well:_                                | 09.5                     | _feet                                               | From:                          | Top of Well               | Casing (TOC)              |                                   | tective Creise    |                             |              |
| Depth             | to Static Water                                | 13.0                     | Lfeet                                               | From:                          | Top of Well (             | Casing (TOC)              | Top of Prot                       | lective Casing    | U Other:                    | -            |
| Depth             | to Product:                                    |                          | feet                                                | From: 🖬                        | Top of Well (             | Casing (TOC)              | Top of Prot                       | ective Casing     | Ciner:                      | -            |
| Length            | of Water Colu                                  | mn: <u>36.4</u>          | feet                                                | Well Volu                      | ime: 14.44                | gal                       | Screene                           | ed Interval (fro  | m GS):                      | -            |
| 3. PUR            |                                                |                          | Dete 6                                              | Note: 1-in v                   | vell = 0.041 ga           | l/ft_2-in well =          | 0. t67 gal/ft 4-                  | in well = 0.667 g | аl/ft - 6-in well = 1169 ga | ali/It       |
| Purge N           |                                                | ailer, Size:             |                                                     | Urged: S                       | Imp (72" Sut              | Time:  <br>. Pump   (1.4* | Sub. Pump                         |                   | Equipment Mode              | l <u>(s)</u> |
| Materia           | ls: Pump/Bailer                                | r U Polyei               | thylene                                             | Stainless D PV                 | Inerfial Lift Pu          | mp Q Other:               |                                   | 1. <u>[U</u>      | lonsom                      |              |
| Material          | le: Pono/Tubia                                 | Dedica<br>Polyet         | ated C                                              | Prepared Off-S                 | Field-(                   | Cleaned CID               | lisposable                        | 2                 | 417-554                     |              |
| Material          |                                                |                          | ated (1) Pre                                        | olypropylene<br>pared Off-Site | ☐ Teflon® ☐<br>Field-Clei | Nylon U Othaned Disp      | er:                               | 3                 | )2T-1545                    |              |
| Volume<br>Was wel | to Purge (minir                                | mum);                    | well                                                | volumes or _                   |                           | _ gallons                 |                                   | 4                 | leron stip                  |              |
| vas we            | Cum. Gallons                                   | DH Yes                   | U No                                                | Pumping R                      | ate:                      | gal/min                   |                                   |                   | Calibrated? ZYes            | з            |
| Time              | Removed                                        | +0.1.50                  | - and                                               | > of ±3% or                    | I. ORP                    |                           | Turbidity                         |                   |                             |              |
| 100               |                                                |                          | IZ C                                                | ±10 µS/cm                      | ±20 mV                    | ±0.2 mg/L                 | or ≤ 10 NTU                       | water Level       | Comments                    |              |
| 1516              | 1.75                                           | 7.55                     | 17.88                                               | 0.258                          | 94.9                      | 0.57                      | 17.05                             | 16.101            |                             |              |
| 1534              | 4.50                                           | 7.29                     | 17.95                                               | 0.239                          | 198.7                     | 0.24                      | 17.04                             | 16.351            |                             |              |
| 1542              | 5.50                                           | 7.05                     | 15.06                                               | 0.220                          | 119.9                     | 0.36                      | = 47                              | 16.101            |                             |              |
| 1547              | 4.00 %                                         | .99                      | 1.98                                                | 0.214                          | 127.4                     | 0.35-                     | $\frac{5\cdot \tau \gamma}{U II}$ | 10.00             |                             |              |
| 1552              | 4.50 1                                         | .73 1                    | 8.17                                                | 0.201.                         | 121.3                     | 070                       | 7.17                              | 10.75             |                             | 2            |
|                   |                                                |                          |                                                     |                                |                           | 0.28                      | 2.97                              | 12:80'            |                             |              |
| 4. SAMPL          | ING DAT                                        | A                        |                                                     |                                | _                         |                           |                                   | Purge data d      | continued on next sheet?    |              |
| Method(s):        | <ul> <li>Bailer,</li> <li>Centrifue</li> </ul> | Size:                    | Deristatio                                          | Bladder Pump                   | 2º Sub. Pu                | np 🛛 4" Sub.              | Pump                              | Geoche            | mical Analyses              |              |
| Materials: F      | Pump/Bailer                                    | Polyethyle               | ne ZI Stainl                                        | ess DIPVC                      | Teflon® □                 | Other:                    |                                   | Ferrous           | Iron: mg/L                  |              |
| Materials: T      | u<br>Tubing/Bone 🎜                             | Dedicated<br>Polyethyler | C Prep.                                             | ared Off-Site                  | Field-Clean               | ed 🖸 Dispos               | able                              |                   | mg/L                        |              |
| Donth to Mt       |                                                | Dedicated                | Prepare                                             | d Off-Site                     | Field-Cleaned             | n Other:<br>Disposabl     | le                                | Nitrate:          | mg/L                        |              |
|                   | ater at Time of                                | Sampling:                |                                                     | F                              | ield Filtered?            | 'L'IYes LI                | r No                              | Sulfate:          | mg/L                        | e   ">       |
| Duplicate Sa      | ample Collector                                | nple Date                | <u>&gt; • • • / · / · / · · · · · · · · · · · ·</u> | _ Sample Tin                   | ne: 170                   | # of Contain              | iers: <u>2</u>                    | Alkalinity:       | ma/l                        |              |
| Equipment E       | Blank Collected                                | 2 ⊡ Yes                  | Z No                                                | ID:                            |                           | # of Contain              | ers:                              |                   | \<br>\                      |              |
| COMM              | NITO O                                         |                          |                                                     | 11.7; <u> </u>                 |                           | # of Containe             | ers:                              | _                 |                             |              |
|                   | INTS Z                                         | mp M                     | tok.                                                | at . 1 1                       | 15                        |                           | 200 m (60 m                       |                   |                             | 4            |
| -                 |                                                |                          |                                                     |                                |                           |                           |                                   |                   |                             |              |
| te: Include comm  | nents such as well                             | l condition.             | cdor, preser                                        |                                | ather it-                 |                           |                                   | 1.4               |                             | -            |
|                   |                                                |                          |                                                     | , UI                           | viner items no            | r on the field da         | ita sheet.                        |                   |                             | -1           |



WELL ID: MW-15

| 3. PUR | <u>GE DATA</u> | A (contir | nued from | m page _                 | 1)                  |                            |             |             |               |
|--------|----------------|-----------|-----------|--------------------------|---------------------|----------------------------|-------------|-------------|---------------|
| Fine   | Cum. Gallon    | s: pH     | Гетр      | Spec. Cond               | . ORP               | 00                         | Turbidity   |             |               |
| Time   | (gal)          | ±0.1 su   | ±2'C      | > of ±3% or<br>±10 µS/cm | > of ±10%<br>±20 mV | or -> of ±10% of ±0.2 ma/L | or ≤ 10 NTU | Water Level | Comments      |
| 1557   | 5.00           | 6.74      | 17.91.    | 0.204                    | 119.4               | 0.33                       | 1.75        | 17.471      |               |
| 1602   | 5.75           | 6.68      | 18.25     | 0.202                    | 118.1               | 0.48                       | 135         | 17.551      |               |
| 1607   | 12.50          | 6.68      | 17.10     | 0.202                    | 119.2               | 0.49                       | 125         | 17.651      | G.            |
| 1612   | 7.00           | 6.68      | 11.94     | 0.201                    | 118.5               | 0.48                       | 1.15        | 17.751      |               |
| 1617   | 7.50           | 6.68      | 17.90     | 0.200                    | 113.9               | 0.41.                      | 1.10        | 17.801      |               |
| 1620   | Collee         | ted s     | cmol.     |                          |                     |                            |             |             | a 1 5 - 1 4   |
| _      | _              |           |           |                          |                     |                            |             |             |               |
|        |                |           |           |                          |                     |                            |             |             |               |
|        |                |           | 8         |                          |                     |                            | = =         |             |               |
| -      | 26<br>1945     |           |           |                          |                     |                            |             |             |               |
|        |                |           |           | < II                     |                     |                            |             | 8           |               |
|        |                |           |           |                          | . e                 |                            |             |             |               |
|        |                | 3         |           |                          |                     |                            |             |             |               |
| -      |                |           |           |                          |                     |                            |             |             |               |
|        |                |           | •••       | 1                        |                     |                            |             |             |               |
|        | 1              |           | 9.7       |                          |                     |                            |             |             |               |
|        | -10.1          |           |           |                          |                     |                            |             |             |               |
| •      |                |           | 3         |                          |                     |                            |             |             | 1.1.1.2.1.74. |
| - 1    |                |           |           | 1                        | •                   |                            |             |             |               |
|        |                | 201       |           |                          |                     |                            |             |             |               |
|        |                |           |           |                          |                     |                            |             |             |               |
|        |                |           |           |                          |                     |                            |             |             |               |
|        |                | - [       |           |                          |                     | 1                          |             |             |               |
|        |                |           |           |                          |                     |                            |             |             |               |
|        |                |           |           |                          | 1                   |                            |             |             |               |
|        |                |           |           |                          |                     |                            |             |             |               |
|        |                |           |           |                          |                     |                            |             |             |               |
|        |                | 0         |           | 1                        |                     |                            |             |             |               |

Purge data continued on next sheet?



a

# GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-22

| 1. PROJECT INFORMATION                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Number: 138670 Fask Number: 100-001                                                                      | Area of Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Client: <u>Owens Corning</u>                                                                                     | Parconnet 2 C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Project Location: Anderson, South Carolina                                                                       | Weather Silan a 7-41-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2. WELL DATA Date Measured: S. 2. 1                                                                              | The second secon |
| Casing Diameter: 8 inches Fype: PVC    Stand                                                                     | Temporary Well: "IYes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Screen Diameter: 8 inches Type: APVC (1 Stainte                                                                  | 233 Galv. Steel J Teflonie J Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Total Depth of Well: 116 feet From: 1/ Tup of Well Car                                                           | ins (CO) I Tellon® I Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Depth to Static Water: 6.77 feet From: 4 Top of Well Casi                                                        | ing (TOC) U Top of Protective Casing U Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Depth to Product:feet From: U Top of Well Casi                                                                   | ing (TOC) [] Top of Protective Casing [] Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Length of Water Column: 199.23 Well Volume: 235                                                                  | al operation of the state of th |
| Note: 1-in well = 0.041 gabit                                                                                    | 2-in well = 0.167 gal/ft 4-in well = 0.967 gal/ft 6-in well = 1.160 act #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3. PUHGE DATA Date Purged: <u><u>S-9-1</u></u>                                                                   | Time: 1409                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purge Method: U Bailer, Size: D Bladder Pump Z2* Sub. Pr                                                         | ump 14" Sub. Plump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Materials: Pump/Bailer Devicated Stainless DPVC D Tellon®                                                        | Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Materials: Rope/Tubing Polyethylene Delypropylene Diffield-Clear                                                 | Ined Disposable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Volume to Burga (minimum 3                                                                                       | d Disposable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Was well purged down $(minimum)$ : well volumes or $(X \to Z^2)^2$                                               | allons 4. Heren                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cum. Gallons pH Temp Space Cond                                                                                  | _ gal/min Calibrated?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Time Removed $\pm 0.1 \text{ su}$ $\pm 2^{\circ}\text{C}$ > of $\pm 3\%$ or > of $\pm 10\%$ or s                 | DO Turbidity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ±10 µS/cm   ±20 mV                                                                                               | ±0.2 mg/L ≤ 10 NTU Valer Level Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 412 1.5 4.85 18.71 0.115 196.8                                                                                   | 5.98 0.07 6.5%"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 415 5.0 4.00 18.71 115 180.0 3                                                                                   | 8.89 plp 6 cl/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 18 45 5.04 1817 0.115 151 6                                                                                      | 3 10 D D= (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 121 5.5 4.70 1811 0 115 110                                                                                      | 1.38 0.03 (4.5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 124 700 410 416 0.115 197.015                                                                                    | 1.8% 0.02 5.8%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1.00 13.68 0.115 141.5 3                                                                                         | 3.92 0.04 6.861                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SAMPLING DATA                                                                                                    | Purge data continued on next sheet?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Method(s). 'J Bailer, Size: DBladder, Burgo Coro                                                                 | Geochemical Analyses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| □ Centrifugal Pump □ Peristaltic Pump □ Inertial Lift Pump □ Ot                                                  | 1 4" Sub. Pump<br>her: Ferrous Iron:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Materials: Pump/Bailer ' Polyethylene Z Stainless PVC T Jforr® Off<br>Dedicated Prepared Off-Site PField-Cleaned | her: DO:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Materials: Tubing/Rope Polyethylene Polypropylene Tellon® Nylon                                                  | Dother:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Depth to Water at Time of Sampling;                                                                              | Disposable INitrate: Ing/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ample ID/ MW-22 Sample Date: 5 - 1 - 1/ Sample Time. 1425                                                        | Yes YNo Sulfate: ing/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| uplicate Sample Collected? Yes / No ID:                                                                          | f Containers: Alkalinity: mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| # O!                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| quipment Blank Collected? X Yes I No ID: 23 . 50411 (2)                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



WELL ID: MW-22

| 3. PUR   | GE DA LA                         | A=(contin                 | ued from     | n page _                                 | )                             |                                    |                             |                                         |                                           |
|----------|----------------------------------|---------------------------|--------------|------------------------------------------|-------------------------------|------------------------------------|-----------------------------|-----------------------------------------|-------------------------------------------|
| Fime     | Ciun, Gallon<br>Removed<br>(gal) | s µH<br>⊸0.15u            | r⊡mp<br>⊬2 C | Bpec. Cond.<br>ຈັບf ສີ3% or<br>ແປງ µS/cm | 0RP<br>∞ of ⊭10%• o<br>⊬⊇0 mV | DO<br>r → of ⊾10 % or<br>-⊖ 2 mg/L | fintbelity<br>≟<br>≤ 10 MFU | Water Level                             | Comments                                  |
| 1427     | 8.00                             | 4.57                      | 18.14        | 0.115                                    | 137.7                         | 3.49                               | છ. ગ્વ                      | 6.8%                                    | IL N                                      |
| 1430     | 10.00                            | 4.33                      | 18.6.1       | 0.115-                                   | (38.1                         | 4.01                               | 0.05                        | 6.861                                   |                                           |
| 1433     | 11.50                            | 4.82                      | 18.65        | 0.115                                    | 137.1                         | 4.01                               | 3.04                        | 6.86                                    |                                           |
| 1435     | Colley                           | fed a                     | mil          |                                          |                               | 3                                  |                             | е — — — — — — — — — — — — — — — — — — — |                                           |
|          | a                                |                           |              |                                          | 8                             |                                    |                             |                                         | a. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. |
|          |                                  | и<br>К                    | 8            | 2                                        | 8                             |                                    |                             | 6                                       |                                           |
|          |                                  |                           |              | Ι.                                       | í I A                         |                                    |                             | Ť                                       |                                           |
| = ))     | •                                |                           |              |                                          |                               | k.<br>1                            |                             |                                         |                                           |
|          |                                  |                           | 1.2.3        |                                          | 1                             |                                    |                             |                                         |                                           |
|          |                                  | nacional de la del<br>Rec | -            |                                          |                               | 1 <u>1</u>                         |                             |                                         |                                           |
|          | 10 m                             | 1                         |              |                                          | ·                             | i                                  |                             |                                         |                                           |
|          |                                  | i i                       |              | -                                        | /                             | 3.4                                |                             |                                         | 0                                         |
|          |                                  | -<br>-                    |              |                                          |                               |                                    |                             | i guié                                  |                                           |
|          |                                  | i – i                     |              | -                                        |                               |                                    |                             |                                         |                                           |
| 1        |                                  |                           | 4            |                                          |                               | 1                                  | _1                          |                                         |                                           |
| 1        |                                  |                           |              |                                          |                               | 1                                  | ł                           |                                         |                                           |
|          | - 67 31                          | i                         | 1            |                                          |                               | !                                  |                             |                                         |                                           |
|          | , V                              |                           |              |                                          |                               |                                    | Î                           |                                         |                                           |
| -        |                                  |                           | 1            |                                          |                               |                                    |                             |                                         |                                           |
|          |                                  | é                         | -            |                                          | 20                            |                                    |                             |                                         |                                           |
| <        |                                  | 1 -0 -0                   |              | - i                                      |                               |                                    |                             | s à i                                   |                                           |
|          |                                  | _                         | i            | l'                                       |                               |                                    | - 4                         |                                         |                                           |
|          |                                  |                           | 1            |                                          |                               |                                    |                             | 1 200° -                                |                                           |
|          |                                  |                           | i.           |                                          |                               |                                    |                             |                                         |                                           |
| n ja     | N 1999 P                         | 1                         |              |                                          |                               |                                    | 5                           |                                         |                                           |
|          |                                  |                           |              |                                          |                               | 8-10<br>0 11-00                    |                             |                                         |                                           |
|          |                                  | ere e se                  |              | 1년 등 대통                                  |                               | ~ 맛입 뭐                             |                             |                                         |                                           |
| i e'n de |                                  |                           |              | a_                                       |                               |                                    |                             |                                         | n i Lista                                 |

Purge data continued on next sneet?



Me

# GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: <u>MW-35</u>

| Project Number: 138670 Fask Number: 100.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--|--|--|--|
| Client: Owens Corning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Area of Concern:                            |  |  |  |  |
| Project Location: Anderson, South Carolina                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Weather Sala                                |  |  |  |  |
| 2. WELL DATA Data Massure L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | weather: Somy CSOVE                         |  |  |  |  |
| Casing Diameter: 2 inches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Time: AM Comporary Well: UYes UNO           |  |  |  |  |
| Screen Diameter: 2 inches Type: Leve a stainles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | s 🔲 Galv. Steel 🛄 Tellon 🖉 🖾 Other:         |  |  |  |  |
| Total Depth of Well: 162 feat From: KTop at Wello                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | s 🛛 Galv. Steel 🛄 Teflorr® 🗔 Other:         |  |  |  |  |
| Depth to Static Water:testan feet From: // Top of Well Castr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | g (FOC) D Top of Protective Casing D Olher: |  |  |  |  |
| Depth to Product:feet From: U Top of Well Casin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | g (TOC) I Top of Protective Casing I Other: |  |  |  |  |
| Length of Water Column: 162 feet Well Volume:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (100) Top of Protective Casing D Other:     |  |  |  |  |
| Note: 1-in well = 0.041 gal it                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _ gai Screened Interval (from GS):          |  |  |  |  |
| 3. PURGE DATA Date Purged: 5-4-11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Time: 1639                                  |  |  |  |  |
| Purge Method: Contribution Size: Bladder Pump C 2" Sub. Pu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | mp 1 4* Sub. Pump                           |  |  |  |  |
| Materials: Pump/Bailer U Polyethylene U Stainless U PVC U Tallon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Other: > DD = -(==                          |  |  |  |  |
| Materials: Rope/Tubip A Polyethylene D Polypropylene D Telfor® D Nuc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |  |  |  |  |
| Volume to Purge (ininimum):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A Disposable                                |  |  |  |  |
| Was well purged dry? J Yes J No Pumping Potes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                           |  |  |  |  |
| Cum, Gallons pH Femp Spec. Cond.   OBP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | _gal/min Calibrated? Xes                    |  |  |  |  |
| (gal) ±0.1 su ±2°C > of ±3% or > of ±10% or >                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | of ±10% or Water Level                      |  |  |  |  |
| 647 3 00 71 - 20 mV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ±0.2 mg/L ≤ 10 NTU                          |  |  |  |  |
| 145 ( 10 7.10 15.34 0.320 -66.8 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | .26 0.77 -                                  |  |  |  |  |
| 01) 0.00 7.56 15.44 0.321 -64.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.17 0.50 -                                 |  |  |  |  |
| ors 9.00 7.56 6.14 0.321 -69.9 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 02 1.2/ -                                   |  |  |  |  |
| 51 12.00 7.54 1632 0.321 -718 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 01 100                                      |  |  |  |  |
| 055 Collected sand                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.52                                        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             |  |  |  |  |
| SAMPLING DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Purge data continued on next sheet?         |  |  |  |  |
| Method(s): Bailer, Size: Bladder Pump 12 2' Sub. Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Geochemical Analyses                        |  |  |  |  |
| Materials: Pump/Bailer Polyethylene Distainless PVC Distance Pump/Bailer (Polyethylene Distainless PVC Distance)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Ferrous Iron: mg/L                          |  |  |  |  |
| Ateriale: (Tubin) (Read (Rehathulan C) 2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | u Disposable DO:mg/L                        |  |  |  |  |
| Dedicated Departed Off-Site Field-Cleaned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Other: Nitrate: mg/L                        |  |  |  |  |
| Field Filtered?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes P-No Sulfate: mg/l                      |  |  |  |  |
| Unicate Sample Collected as the state of the sample Collected as the state of the s | f Containers: 2 Alkalinity:                 |  |  |  |  |
| aupment Blank Collected 2 Voc Voc Voc Voc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Containers:IIIg/L                           |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Containers:                                 |  |  |  |  |
| # 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |  |  |  |  |

1.1 A State of the second З÷., See. 2. 1 \*• ;\* ; 2 a -Non in . · ... . . **.** . . . . 2.301



WELL ID: \_\_\_\_\_MW-29R Zone 3-Waterloo

| Project Number 1/20070                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client: Owens Corples                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Area of Concern:                                                                                                                                           |
| Project Location: Anderson: Co. H. C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Personnel: Br                                                                                                                                              |
| 2: MELL DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Weather: Sunay N Jor F                                                                                                                                     |
| 2. WELL DATA Date Measured: 5-4-11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Time: Am                                                                                                                                                   |
| Casing Diameter: 2 inches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | اصر Femporary Well: العز Yes                                                                                                                               |
| Screen Diameter: <u>6</u> inches (9094-Current Dg reading)*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | tion:<br>0.02775) *2.3108) = Length of water column (0) = 44.                                                                                              |
| Depth to Christian (154.5-169.6 feet I well vol. calculation:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | val(6") - volution (rt) = 14.1.76                                                                                                                          |
| Depth to Static Water: 133.5 Dg = [22.18 gal - 2.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $(2^{n})$ = $(2^{n})$ + vol of water in tubing (1 $(2^{n})$ ) + vol of water in tubing (1 $(2^{n})$ ) + $(0.0102 \text{ gal/ft x length of water column})$ |
| Length of Water Column                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | - 1.3 F                                                                                                                                                    |
| Note: Lin water Collinn:feet Well Volume: 21.19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | gal Screened Interval (from GS)                                                                                                                            |
| 3. PURGE DATA Date Purged: Sola H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | in well = 0.167 gal/ft_1-in well = 0.667 gal/ft_6-in well = 1.169 gal/ft                                                                                   |
| Purge Method: U Baller, Size: UBladder Pump U 2' Sub Purge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Time: <u>See OS21</u> Equipment Model(s                                                                                                                    |
| Materials: Pump/Bailer U Polvethylene LI Studiese Li Dug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Other: Ustrie 1. Voter 100                                                                                                                                 |
| Dedicated Depared Off-Site Difield-Cleane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Other: 2. 13(-556                                                                                                                                          |
| Materials: Rope Dig Polyethylane L Polypropylane L Tettorio L Nylor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3. 127 15CA                                                                                                                                                |
| Volume to Purge (minimum): well volumes or gal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Disposable 4                                                                                                                                               |
| Was well purged dry? U Yes U No Pumping Rate:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | cial/min                                                                                                                                                   |
| Cum. Gallons pH Temp Spec. Cond. ORP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DO Turbidity                                                                                                                                               |
| (gal) ±0.tsu ±2 C → of ±3% or > of ±10% or | of ±10% or S 10 NTLL Water Level Comments                                                                                                                  |
| 826 0.50 5.56 137 0.134 171 0 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | U2 mg/ broker bg                                                                                                                                           |
| 831 1.00 5.54 1135 0 172 172 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | . 43 1.42 6754.0                                                                                                                                           |
| 36 150 654 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | .02 1.37 6764.0                                                                                                                                            |
| GUI 176 5.34 17.38 0.132 179.3 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 27 1.35 6764.3                                                                                                                                             |
| 11 1.75 3.33 17.40 0.132 179.7 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 24 1.30 67541                                                                                                                                              |
| 10 1.80 5.57 17.41 0.132 179.2 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15 17- 6190                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                            |
| SAMPLING DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Furge data continued on next sheet?                                                                                                                        |
| tethod(s): ☐ Baller, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐<br>☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ One                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 14" Sub. Pump                                                                                                                                              |
| laterials: Pump/Bailer Device Stainless DVC Toflow Othe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | r: Ferrous Iron: mg/L                                                                                                                                      |
| aterials: Tubing/Rope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Disposable DO: mg/L                                                                                                                                        |
| Dedicated Prepared Off-Site DiField-Cleaned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Dither: Nitrate: mg/L                                                                                                                                      |
| imple ID/NW-192 Zance Sample Data C. 19-11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes I No Sulfate mo/L                                                                                                                                      |
| iplicate Sample Collected?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Containers: 1 Alkalinity: mg/l                                                                                                                             |
| uipment Blank Collected?  Yes Vio ID: # of I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Containers:                                                                                                                                                |
| OMMENTS #of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Containers:                                                                                                                                                |
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WELL ID: <u>MW-29R Zone 4-Waterloo</u>

| Cleart:       Owens Corring       Personnel: S2         Project Location:       Anderson, South Carolina       Weather: J.M.M.         2: WELL DATA       Date Measured:       Time:         C.tsing Diameter:       2       inches       Length of water column calculation:         Screen Diameter:       2       inches       Length of water column calculation:         Sumpling Interval:       177.6-202.2 fast       Length of water column:       1 well vol. = (vol stand interval(6') - vol of waterloo cr         Depth to Static Water Column:       172.6-202.2 fast       1 well vol. = (vol stand interval(6') - vol of waterloo cr         Depth to Product:       fast       fast       1 well vol. = (vol stand interval(6') - vol of waterloo cr         Depth to Product:       fast       fast       fast       fast         Depth to Product:       fast       fast       fast       fast         Purge Method:       Deliver, Sizo:       U.G.miningat Purge D' Perstatilic Purge D' lendt Lift Purgezd Offsite       Diffact       fast         Materials: Rope(TitDrg       /Polyothylene       Deliverged Offsite       Diffact       fast       fast         Volume to Purge (minimum):       well volumes or       galons       galons       galons         Was well purged diry:       1 'Yo       of a 33%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| Print         Date         Measured:         Time:           2. WELL DATA         Date Measured:         Time:           Cusing Dameter:         2         inches         Longth of water column calculation:           Surgen Diameter:         2         inches         Longth of water column calculation:           Surgen Diameter:         3         inches         Longth of water column calculation:           Surgen Diameter:         3         inches         Longth of water column calculation:           Surgen Diameter:         3         inches         Longth of water column calculation:           Depth to Static Water Column:         1716-002.2 fast         Twell vol. calculation:         1.991.4 for the column:           Depth to Product:         feet         1.892.55         gal         Screened I           Length of Water Column:         171.6 for the column is 201.9 gal         Surgened II Street         1.892.54           Auterials:         Purge Method:         1.0 strikingal Purge 1.9 gal         1.9 gal         Surgened II Street         1.9 gal           Materials:         Popurgene:         1.9 gal         1.9 gal         1.9 gal         1.9 gal         1.9 gal           Materials:         Popurgene:         1.9 gal         1.9 gal         1.9 gal         1.9 gal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| 2. WELL DATA       Date Measured:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| Cusing Diameter:       2       inches         Sorreen Diameter:       6       inches         Sumpting Intervit:       177.6-200.2 feet       (B32.8-Current Dg reading):0.02724):2.3108) = Lei         Depth to Static Water       6/247.7 feet       1 well vol. calculation:         Depth to Static Water       6/247.7 feet       1 well vol. = [vol and intervat(6") - vol of wateroo calculation:         Depth to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u><u>12</u> <u>(</u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| Sureen Diameter:       6       inches         Sampling Interval:       177.6-202.2 feat       (832.8-Current Opreading):0.02724):2.3108) = Lei         Depth to Static Water:       623.7 feet       = (36.14 gal + 4.11 gal) + (0.0102 gal/s):         Depth to Static Water:       623.7 feet       = (36.14 gal + 4.11 gal) + (0.0102 gal/s):         Depth to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Sampling Interval: 177.6:202.2 feet       1       Well Vol. calculation: 1: Sung 0.027.29 (2.3108) = Lei         Depth to Static Water: 6: 39.7.7 iset       1       Well Vol. calculation: 1: Sund interval(6') - vol of waterloo calculation: 1: Sung 0.012 galf x1         Depth to Product:feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Depth to Static Water: 629.7. Freet       = [36.14 gal - 4.11 gal] + (0.0102 gal/t x1         Depth to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Depth to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Length of Water Column:       §2. [if et model       Well Volume:       §3. 93. gal       Screened I         3. PURGE DATA       Date Purged:       \$5 - 10 - 11       Time:       Ø8. 94. 90.001 galt       3. in well = 0.187 galt       1.187 galt         Purge Method:       II: Baller, Size:       II: Baller, Purge Diperopolation       II: Baller, Size:       II: Baller, Purge Diperopolation       II: Purge Diperopolation       II: Purge Diperopolation       II: Purge Diperopolation         Materials:       POmp/Eailer       IPolyethylene       Dolypropolation       II: Folde-Cleaned       ID: Purge Diperopolation         Materials:       Rope(TiDing       Polyethylene       Dolypropolation       II: Folde-Cleaned       ID: Purge Diperopolation         Volume to Purge (minimum):       well volumes or       galtons         Was well purged dry?       Yrs       No       Purging Rate:       galtons         Volume to Purge (minimum):       well volumes or       galtons       galtons         Was well purged dry?       Yrs       No       Purge Rate:       galtons         Vas well purged dry?       Yrs       No       Purge Rate:       galtons         Vas well purged dry?       Yrs       No       Purge Rate:       galtons         Vas of \$50.50       S.64       17.58 <td>(inglin of water column)</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (inglin of water column)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Screened 1         Screened 1         Screened 1         Screened 1         Screened 1         Purge Method: Dental Size: Dental Life Pump Directal Directal Directaned Directal Directaned D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Date Purged:       \$\frac{2}{3} - 10^{-11}\$       Time:       \$\frac{2}{3} \text{S4}\$         Purge Method:       Date Purge Directal Lift Purg Directal Di                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | interval (from GS):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Punge Method:       Contribugat Pung       Peristallic Pung       U Bidder Pung       Q       Sub. Pung         Materials:       POTmp/Bailer       U Polyethylene       U Stainless       U PC       T fillow       O Other:         Materials:       POTmp/Bailer       U Polyethylene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | $\int \frac{d^2}{dt} = \int $ |
| Materials: PDmp/Bailer       Polyethylene U Stainless U PVC U Tefform U Disposable         Materials: Rope(Tibling       Polyethylene U Stainless U Tefform U Disposable         Materials: Rope(Tibling       Polyethylene U Prepared Olf-Site       I Feld-Cleaned       Disposable         Volume to Purge (minimum):       well volumes or       gallons         Was well purged diry?       Yns       No       Pumping Rate:       gallons         Was well purged diry?       Yns       No       Pumping Rate:       gallons         Time       Removed       ±0.1 su       ±2°C       > of ±0°5 or > of ±10°5 or > of ±10°6 or       ≤ to NTU         29 ov(       0.50       5.66       I7-58       0.134       I/4.4       0.622       4.57       'u         29 ov(       0.50       5.66       I7-58       0.135       I 79.5       1.11       2.866       /oz         29 ov(       0.50       5.66       I7-57       0.135       I 74.2       1.14       2.766       /oz         2114       2.50       5.57       I 7.62       0.135       I 74.2       1.14       2.766       /oz         214       2.50       5.57       I 7.67       0.49       3.29       /oz       /oz       /oz         21                                                                                                                                                                                                                                                                                                                  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| Materials: Rope(Tibling)       Polypothylene [] Polypropylene [] Tellon® [] Nylon [] Other:         Materials: Rope(Tibling)       Polypothylene [] Polypropylene [] Tellon® [] Nylon [] Other:         Was well purged dry?       Yrs [] No       Purmping Rate:       gallons         Was well purged dry?       Yrs [] No       Purmping Rate:       gallons         Was well purged dry?       Yrs [] No       Purmping Rate:       gallons         Time       Removed       ±0.1 su       ±2°C       >of ±3% or >of ±10% or >of ±10% or        > to NTU         29 out       0.50       5.64       17.58       0.174       1/4.4       0.622       4.57       '6         29 out       0.50       5.64       17.59       0.135       179.5       1.11       2.86       /62         29 out       0.50       5.64       17.59       0.135       179.5       1.11       2.86       /62         29 14       1.50       5.54       17.40       0.135       179.5       1.11       2.86       /62         2114       2.50       5.53       17.42       0.135       174.2       1.14       2.76       /62         224       7.50       5.53       17.42       0.135       174.2       1.14       2.76                                                                                                                                                                                                                                          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| Volume to Purge (minimum):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Was well purged dry?       Yrs       No       Purmping Rate:       gallons         Time       Cum. Gallons       pH       Temp       Spec. Cond.       ORP       DO       Turbidity         Y       Yrs       J. Isu       ±2°C       of ±3% or > of ±10% or > of ±0.5% or > of ±10% or > of ±10% or > of ±10% or > of ±0.5% or > of ±10% or > of ±10% or > of ±0.2 mg/L         29.00(       0.50       5.64       17.58       0.134       1.4.4       0.62       4.53       7.6         29.00(       1.00       5.61       17.59       0.135       179.5       1.11       2.866       6.2         29.19       1.50       5.54       17.60       0.135       179.5       1.11       2.866       6.2         29.19       2.00       5.58       17.62       0.135       179.2       1.14       2.766       6.2         21.19       2.00       5.58       17.62       0.135       179.2       1.14       2.766       6.2         21.19       2.00       5.58       17.62       0.135       179.2       1.14       2.766       6.2         42.4       2.50       5.57       17.64                                                                                                                                                                            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| Time         Cum. Gallons         pH         Temp         Spec. Cond.         ORP         DO         Turbidity           1         (gal)         ±0.1 su         ±2°C         > of ±3% or > of ±10% or > of > of ±10% or > of > of ther.           119         2.000         SSS         17.62         0.135         174.2         1.14         2.56         61           119         2.000         SSS         17.62         0.135         174.2         1.14         2.56         61           119         2.000         SSS         17.62         0.135         174.2         1.14 <td>4</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| InneHomoved<br>(gal) $\pm 0.1 \text{ su}$ $\pm 2^{\circ} \text{C}$ $\circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ or } \circ \text{ of } \pm 10\% \text{ or } \circ \text{ or } \circ 10\% \text{ or } \circ \text{ or } \circ 10\% \text{ or }$ | Calibrated? Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Particle       Particle <td< td=""><td>Water Law II</td></td<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                     |
| 0.100       5.60       17.58       0.134       14.4       0.62       4.57       6         0909       1.00       5.61       17.59       0.136       170.7       0.49       3.29       7         0914       1.50       5.59       17.60       0.135       173.5       1.11       2.86       62         114       2.00       5.58       17.62       0.135       174.2       1.14       2.76       62         924       2.50       5.57       17.14       0.135       174.2       1.14       2.56       61         924       2.50       5.57       17.14       0.135       174.2       1.14       2.56       61         924       2.50       5.57       17.14       0.135       174.2       1.14       2.56       61         924       2.50       5.57       17.14       0.135       174.2       1.14       2.56       61         924       2.50       5.57       17.14       0.135       174.2       1.14       2.56       61         924       2.50       5.57       17.14       0.135       174.2       1.14       2.57       61         924       7.50       5.57<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| 1.00       5.61       17.59       0.136       170.7       0.99       3.29       17.90         2914       1.50       5.59       17.60       0.135       177.5       1.11       2.86       162         119       2.00       5.58       17.60       0.135       177.2       1.11       2.86       162         924       2.50       5.57       17.14       0.135       174.2       1.14       2.76       62         924       2.50       5.57       17.14       0.135       174.2       1.14       2.56       61         SAMPLING DATA         Method(s):       Bailer, Size:       Bladder Pump       2* Sub, Pump       4* Sub, Pump         Centifugal Pump       Peristallic Pump       1.71.4       1.18       2.56       61         SAMPLING DATA         Method(s):       Bailer, Size:       Bladder Pump       2* Sub, Pump       4* Sub, Pump         Deficited Pump       2* Sub, Pump       3* Sub, Pump         Deficited Pump         Deficite Pump       3* Other         Dedicated       3* Prop         Delotected       3* Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| 119       .50       5.59       17.60       0.135       173.5       1.11       2.86       62         119       2.00       558       17.62       0.135       174.2       1.14       2.76       62         924       2.50       5.59       17.14       0.135       174.2       1.14       2.56       61         SAMPLING DATA         Method(s): '' Bailer, Size: '' Centrifugal Pump 'Peristallic Pump 'Peristallic Pump 'Pother: '' Centrifugal Pump 'Peristallic Pump 'Pother: '' Centrifugal Pump 'Peristallic Pump 'Pother: '' Dedicated '' Prepared Off-Site '' Field-Cleaned '' Disposable         Atterials: Pump/Bailer '' Polyethylene '' Polypropylene '' Tellon® '' Other: '' Dedicated '' Prepared Off-Site '' Field-Cleaned '' Disposable         Indicated '' Prepared Off-Site '' Field-Cleaned '' Disposable         Field Filtered? '' Yes '' No         Atterials: Tubil of Rope 'Polyethylene '' Polypropylene '' Tellon® ''' Nylon '' Other: '' Dedicated '' Prepared Off-Site '' Field-Cleaned '' Disposable         Field Filtered? '' Yes '' No         And filtered? '' Yes '' No          ''' Yes ''' No </td <td>Tot -</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Tot - 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| 119       2.00       558       17.62.0.135       174.2       1.14       2.76       62         924       2.50       5.57       17.14       0.135       171.4       1.18       2.56       61         SAMPLING DATA         Method(s):       Dailer, Size:       Deliation       Deliation       Deliation       1.14       2.56       61         Materials: Pump/Bailer       Polyethylene       Deliations       Deliations       Deliations       Disposable         Itaterials:       Public/Rope       Polyethylene       Deliations       Deliations       Disposable         Itaterials:       Tubilog/Rope       Polyethylene       Polyethylene       Deliations       Disposable         Itaterials:       Tubilog/Rope       Polyethylene       Polyethylene       Polyethylene       Disposable         Itaterials:       Tubilog/Rope       Polyethylene       Polyethylene       Polyethylene       Polyethylene       Polyethylene       Polyethylene         Itaterials:       Tubilog/Rope       Polyethylene       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| 924       2.50       5.57       17.14       0.135       177.14       1.18       2.5%       61         SAMPLING DATA         Method(s):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| SAMPLING DATA         Method(s):          ☐ Bladder Pump ☐ 2* Sub. Pump ☐ 4* Sub. Pump<br>☐ Centifugal Pump ☐ Peristallic Pump ☐ Inertial Lift Pump '20ther:<br>☐ Centifugal Pump ☐ Peristallic Pump ☐ Inertial Lift Pump '20ther:<br>☐ Dedicated ☐ Prepared Off-Site ☐ Fieldon® ☐ Other:<br>☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable<br>Polyethylene ☐ Polypropylane ☐ Tellon® ☐ Nylon ☐ Other:<br>☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable<br>epth to Water at Time of Sampling:<br>ample ID: Mu/ XIP, Sample Date: 5-10-17<br>Sample Date: 5-10-17<br>Sample Time: ① 140<br>upiment Blank Collected? ☐ Yes ☐ No<br>ID:<br>Mo ID:<br># of Containers:<br>Work Containe                                                                                                                                                                                                                                                                                                                                                                                                           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| SAMPLING DATA       Image: State in the sta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 82.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Method(s):       U Bailer, Size:       U Bladder Pump U 2* Sub. Pump U 4* Sub. Pump         Materials:       Centrifugal Pump U Peristallic Pump U Inertial Lift Pump Wolher:       Materials:         Materials:       Polyethylene       Stainless       PVC U Tellon® U Other:         Dedicated       Prepared Off-Site       Field-Cleaned       Disposable         Iaterials:       Tubilog/Rope       Polyethylene       Polypropylene       Tellon® U Nylon       Other:         Iaterials:       Tubilog/Rope       Polyethylene       Polyethylene       Tellon® U Nylon       Other:         Iaterials:       Tubilog/Rope       Polyethylene       Polyethylene       Tellon® U Nylon       Other:         Iaterials:       Tubilog/Rope       Polyethylene       Polyethylene       Tellon® U Nylon       Other:         Iaterials:       Tubilog/Rope       Field Off-Site       Field-Cleaned       Disposable         Iplicate Sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Purge data continued on next sheet? 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| reprin to water at Time of Sampling:       Field Filtered?       Yes       No         ample ID:       My/11P Sample Date:       5/10.17       Sample Time:       949       # of Containers:       2         iplicate Sample Collected?       Yes       No       ID:       # of Containers:       2         iuipment Blank Collected?       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WELL ID: <u>MW-29R Zone 4-Waterloo</u>

| 3. PUR | GE DATA                           | (contir         | nied froi    | n page 🔤                                                                  | <u></u>                          |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                          |
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| Fune   | Gum, Gallons<br>(Removed<br>(gal) | s pH<br>-0.1 :u | femp<br>-2 C | <ul> <li>- ipee, Cond.</li> <li>- of +3% or</li> <li>-10 µS/cm</li> </ul> | प्रस्<br>क = 01 + to +<br>Vm 0≟+ | DO<br>⊷ot ∈10°% or<br>+0.2 myL | Furbienty<br>1 10 NTU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Water Level | Comments                                 |
| 0929   | 3.00                              | 5.58            | 17.64        | 0.135                                                                     | 170.7                            | 1.17                           | 67.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (1195.)     | T16=1.17                                 |
| 0934   | 3.50                              | 5.57            | 13.15        | 0.134                                                                     | 1.70.7                           | 1.18                           | 1.44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6210.5      |                                          |
| 0929   | 4.00                              | 5.53            | 17.70        | 0.134                                                                     | 168.5                            | 1.18                           | 1.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6075.4      | 10 T                                     |
| 0940   | Collec                            | Hed .           | ten de       |                                                                           |                                  |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                          |
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|        | 1.1.2.2                           | ,               | - 1 - I      |                                                                           |                                  |                                | - 66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |                                          |
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|        | 1                                 | ų               |              |                                                                           | 10                               |                                | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ł           |                                          |
|        |                                   |                 |              | - 5, 8                                                                    | 1                                |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | - 1         |                                          |
|        |                                   |                 |              | - <u>-</u> - 3                                                            | 1                                |                                | ie b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |                                          |
|        |                                   |                 |              | 4                                                                         |                                  |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                          |
| 2.<br> |                                   |                 | ł.           | 1                                                                         |                                  |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                          |
|        | •rr                               |                 | 1            |                                                                           |                                  | ÷                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ¥5          |                                          |
|        |                                   |                 | 00-722       |                                                                           |                                  | i Li İ                         | <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - | - 8         |                                          |
|        |                                   |                 |              |                                                                           | a 10.                            | - 1 O E                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             | 5. L.S.C.                                |
|        |                                   |                 | i            | 1.51                                                                      |                                  |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             | 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. |



WELL ID: <u>MW-36 Zone 1-Waterloo</u>

| 1. PROJECT INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Project Number: <u>138670</u> Fask Number: <u>100.</u> 001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Area of Concern:                                                                                                 |
| Client: Owens Corning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Personnel: 85                                                                                                    |
| Project Location: Anderson, South Carolina                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Weather: SURAY NEW                                                                                               |
| 2. WELL DATA Date Measured: 5.4.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Time: AM                                                                                                         |
| Casing Diameter: 2inches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Temporary Weit: UYes UNo                                                                                         |
| Screen Diameter: 6inches (3558.7-Current Dg re                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | alculation:<br>eading) '0.01797) '2.3108) = Length of water column (ft)                                          |
| Sampling Interval: <u>99.1-116</u> feet 1 well vol. = (vol sand                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | interval(6") - vol of waterioo casing (2") + vol of tubica (1(4")                                                |
| Depth to Static Water: 6135,9 Dg = [24.83 ga                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | al - 2.82 gal] + (0.0102 gal/ft x length of water column)                                                        |
| Depth to Product:feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (.48)                                                                                                            |
| Length of Water Column: 4.45 feet Well Volume: 22.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | gal Screened Interval (from GS):                                                                                 |
| 3 PLIPGE DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | al/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1,469 gal/ft                                 |
| Bailer, Size: Bailer, Size:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Time: 101 Equipment Model(s)                                                                                     |
| Centrifugal Pump U Peristattic Pump U Inertial Lift P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | umpfrOther: Wateren 1. Water 00                                                                                  |
| Tellon Devicated L' Polyethylene Stainless UPVC Tellon في Tellon Dedicated L' Prepared Off-Site Field                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | xi □ Other:22222222222222222222222222222222222222222222222222222222222222222222222222222222222222222222222222222 |
| Materials: Rope Tubing Upolyethylene U Polypropylene U Tellon® C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | □ Nylon □ Other: 33.                                                                                             |
| Volume to Purge (minimum): well volumes or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dallons                                                                                                          |
| Was well purged dry? LI Yas LI No Pumping Rate:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                  |
| Cuin. Gallons pH Temp Spec. Cond. ORP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DO Turbidity                                                                                                     |
| (gal) ±0.1 su $\pm 2^{\circ}$ C > of $\pm 3\%$ or > of $\pm 10\%$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | % or > of ±10% or ≤ 10 NTU Water Level Comments                                                                  |
| 00, 0.50 5.99 17.76 0.117 161.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.73 1.00 62401                                                                                                  |
| 011 1.00 5.99 13.75 0.116 1616                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3.5/ 1.97 1 1761                                                                                                 |
| 014 150 598 1222 0114 1/27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 366 200 (2004)                                                                                                   |
| 01 202 592 1212 0111 12 C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3/2 0.83 6258.60                                                                                                 |
| MI: 7-2 - 17 17 37 2 114 (19.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7.07 0.80 0350.6                                                                                                 |
| 010 2.50 3.17 17.17 0.114 1.53.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3.63 0.75 6239.16                                                                                                |
| SAMPLING DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Purge data continued on next sheet?                                                                              |
| Method(s). Bailer, Size: Bladder Pump 22" Sub F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Geochemical Analyses                                                                                             |
| Centrifugal Pump Li Peristaltic Pump Linertial Lift Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | p 🛙 Other: mg/L                                                                                                  |
| Materials: Pump/Bailer المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة المحافظة ال | DO: mg/L                                                                                                         |
| Materials: Tubing/Rope UPolyethylene UPolypropylene UTeflon® UN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Jylon D Olher: Nitrate: mg/L                                                                                     |
| Depth to Water at Time of Sampling: Field Filtere                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ed? I Yes I No Sulfate: ma/L                                                                                     |
| Sample ID: 11. 1. 36 Sample Date: 3/3.1/ Sample Time: 030                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | # of Containers: Z Alkalinity                                                                                    |
| Duplicate Sample Collected?  Yes Y No ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | # of Containers:                                                                                                 |
| Equipment Blank Collected? 🙂 Yes 🌮 No ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | # of Containers:                                                                                                 |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                  |
| : Include comments such as well condition, odor, presence of NAPL, or other stems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | s not on the field data sheet.                                                                                   |



: J.+

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WELL ID: <u>MW-36 Zone 3-Waterloo</u>

|          | Client: Owens Corning     Project Location: Anderson: South Counting  | Area of Concern:<br>Personnel: 35      |                                                   |
|----------|-----------------------------------------------------------------------|----------------------------------------|---------------------------------------------------|
|          |                                                                       | Weather: SJAAY A                       | 15F                                               |
|          | Z. WELL DATA Date Measured: 5-1-11                                    | Time: AM                               |                                                   |
|          | Casing Diameter:2 inches                                              |                                        | Fumporary Well: LiYes                             |
|          | Screen Diameter: 6 inches (1093, I-Current Dg readin                  | 1110n;<br>])*0.02725)*2.31()8) = Lanot |                                                   |
|          | Sampling Interval: 180.2-192.7feet 1 well vol. = (vol sand inte       |                                        | in of water column (ft) 165                       |
|          | Depth to Static Water 6415.8 feet ={18.36 gal - 2                     | 09 gal] + (0.0102 x length of          | rg (2")] + vol of water in tubir<br>water column) |
|          | Depth to Product:feet                                                 | 1.71                                   |                                                   |
|          | Length of Water Column: 195-2 feet Well Volume: 17-95                 | gal Scroeped inter-                    |                                                   |
| <u> </u> | 3 PURGE DATA                                                          | in well = 0.167 jubit - Fin well       | al (from GS):                                     |
|          | Rurge Mathed Buller Size:                                             | ime: 1038                              | Equipment Market                                  |
| × 1      | Centrific Method: Centrifical Pump Centratilic Pump Central Litt Pump | p 'I 4' Sub. Pump<br>Other             | - (Jater le -                                     |
| - 1      | Materials: Phyp/Bailer Polyethylene J Stainless PVC J Tetlorio        | Olher:                                 | 10-00                                             |
|          | Materials: Rope/ Tubing Polyethylene Delypropylene Tatlored Data      | (2.0)                                  | 2. pr-556                                         |
|          | Volume to Purge (minimum)                                             | Disposable                             | 3. ULT- 117E                                      |
| - 1      | Was well purged down 11 Yes - 1 No                                    | lons                                   | 4                                                 |
| F        | Cum, Gallons, UH Form Coop Coop                                       | gal/min                                | Calibrated?-TYes                                  |
| -        | Time Removed                                                          | DO Furbidity                           |                                                   |
| -        | (i)(ii) 1 50.1 50 + 10 µS/cm (+20 inV -                               | 2 ing/L S IO NTIJ                      | Level Comments                                    |
|          | 04 5 0.05 1.14 18.35 1.430 143.1 5                                    | 115-120 000                            |                                                   |
|          | 55 0.10 6.18 2.14 1510 112 0 5                                        | 75 1.15 564                            | 7.5                                               |
| - 17     | 0.12 6.14 2/ 67 1 517 1115 5                                          | 35 0.80 829                            | 3.6                                               |
| 1        | all out / all 1720 ( 199.1 S.                                         | 44 0.43 832                            | 2.6                                               |
|          | 5 0.15 6.17 4.1.4 1.524 149.5 5.                                      | 15 0.49 937                            | 14                                                |
|          | as 0.70 6.14 23.65 1.531 143.0 5                                      | 34 011- 2251                           | 11                                                |
|          |                                                                       | 0.15 0 351                             | . 61                                              |
| 4.       | SAMPLING DATA                                                         | Purge                                  | data continued on next sheet?                     |
| ^        | Aethod(s): J Balder, Size: J Bladder Pump 12 2' Side, Pump 12         | 4* Sub. Pump                           | eochemical Analyses                               |
| N        | laterials: Pump/Bailer UPolyethylene UStainless UPVC U Tellow         | Fe                                     | rrous Iron: ing/L                                 |
|          | aterials: Fubing/Gene (Polyathulana D.D.)                             | Disposrible DC                         | : ,                                               |
|          | ☐ Derlicated ☐ Potypropylene ☐ Tellori@ ☐ Nylon ☐ C                   | Iher: Nitr                             | ate:                                              |
|          | Pield Filtered?                                                       |                                        | ate:                                              |
| 5        | imple ID/190- 30 Sample Date: 5-10-11 Sample Time: 1135 # of C        | ontainers: "L                          | ing/L                                             |
|          | plicate sample Collected? Yes A No ID: # of C                         | ontainers:                             | inity: mg/L                                       |
| e(       | # of C                                                                | ontainers:                             |                                                   |
| 5. C     | OMMENTS                                                               |                                        |                                                   |
|          |                                                                       | 1000                                   |                                                   |

ELL ID: <u>MW-36 Zone 3-Waterloo</u>

| 3. PUR          | GE DATA<br>Cum Callons<br>Removed<br>(94) | <del>(contir) (contir) (</del> | nued fror<br>remp<br>∞∄ C | m page<br>Spec. Cond.<br>Pof ±3% or<br>±10 µ\$/cm | ()<br>⊖3₽<br>∞of ⊭10% or<br>⊷20 inV | DO<br>> of ±10% or<br>+0.2 mg/L                                                                                                   | Frabidity<br>10 NFU | Water Level         | Comments |
|-----------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|----------|
| 1173            | 0.22                                      | 6.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 14.17                     | 1.537                                             | 142.9                               | 7.25                                                                                                                              | 0.41                | \$357.6             |          |
| 1135            | Collec                                    | tea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1341                      | k.                                                |                                     | 6                                                                                                                                 |                     |                     | <u></u>  |
|                 | в                                         | ođ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                                                   |                                     | 6)                                                                                                                                |                     |                     |          |
| 26              |                                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1                         | ļ                                                 |                                     |                                                                                                                                   |                     | 1 B <sup>2</sup>    |          |
|                 |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           | 1                                                 |                                     |                                                                                                                                   |                     |                     |          |
|                 |                                           | 3. II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | í.                        | 1                                                 |                                     | _                                                                                                                                 |                     |                     |          |
| u.              | 5 H<br>11                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N ]                       |                                                   | ÷<br>•                              |                                                                                                                                   |                     |                     |          |
| <u></u>         | 17 H<br>S K                               | 8 St.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           | • • <sup>-</sup> • <sup>2</sup>                   | 1                                   |                                                                                                                                   |                     |                     |          |
|                 | 5 m *                                     | 9 < <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                                                   |                                     |                                                                                                                                   | -                   | к                   | ы.<br>   |
|                 | 8                                         | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                                                   |                                     |                                                                                                                                   |                     |                     |          |
|                 | 1.67                                      | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                                                   |                                     | 1                                                                                                                                 |                     | 0                   |          |
|                 | į.                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                                                   |                                     | 1                                                                                                                                 | ł                   |                     |          |
|                 |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                                                   |                                     | - 1                                                                                                                               |                     |                     |          |
|                 |                                           | ( <sup>-</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                   | _                                   | 5.1                                                                                                                               |                     |                     |          |
|                 |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ļ                         |                                                   |                                     |                                                                                                                                   |                     | vn sä               | 2 B      |
| 8 - s           | 8 IV                                      | a Ç S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | s                         |                                                   | 10 B                                |                                                                                                                                   |                     | т.<br>Т.            |          |
| n.              |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | •                         |                                                   |                                     |                                                                                                                                   |                     |                     | 12       |
| ÷               |                                           | 8<br>8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                                                   |                                     |                                                                                                                                   |                     |                     |          |
|                 | 1                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                                                   |                                     |                                                                                                                                   |                     | i –                 | Soc. *   |
| сь <sub>е</sub> |                                           | t.<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                                                   |                                     |                                                                                                                                   |                     | 10<br>21            | ° « 3    |
|                 |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                                                   |                                     |                                                                                                                                   |                     | 24.12.13            | V.2 5 6  |
|                 |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                                                   |                                     |                                                                                                                                   | 1                   |                     |          |
|                 |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                                                   |                                     | 4                                                                                                                                 |                     |                     |          |
|                 |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | e s                       |                                                   | - 1.1.1                             |                                                                                                                                   |                     |                     |          |
|                 |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                                                   | 8                                   | 20                                                                                                                                | . ÷                 |                     |          |
|                 |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | s.<br>Less                | sta tak                                           | , bei                               | 2                                                                                                                                 |                     | j.                  | 11 10    |
|                 |                                           | I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5 5 5                     | ×1                                                |                                     |                                                                                                                                   | ų.                  |                     |          |
|                 |                                           | i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                                                   | 1 - L - S                           | 1997 - 1997<br>1997 - 1997 - 1997<br>1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1 | 1                   | <sup>2</sup> 9 are∘ |          |

Purge data continued on next sheet?



WELL ID: \_\_\_\_\_MW-36 Zone 5-Waterloo\_\_\_\_

| 1. PROJECT INFORMATION                                                                                                                                                       |                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Project Number: 138670 Eask Number: 100.001                                                                                                                                  |                                                                             |
| Client: Owens Corning                                                                                                                                                        | Area of Concern:                                                            |
| Project Location: Anderson, South Carolina                                                                                                                                   | Personnel: KS                                                               |
|                                                                                                                                                                              | Wenther:Suny                                                                |
| 2. WELL DATA Date Measured: 5.1.1                                                                                                                                            |                                                                             |
| Casing Diameter:2_inches Length of water column calc                                                                                                                         | Culation:                                                                   |
| Screen Diameter: 6 inches (8843.2-Current Dg read                                                                                                                            | ding)*0.03897)*2.3108) = Length of water column (ft) 253.53                 |
| Sampling Intervall: <u>269.9-275</u> feet I well vol. = [vol sand in                                                                                                         | Iterval(6") - vol of waterloo casing (2")) + vol of uniter at his setum     |
| Depth to Static Water $0.24.9$ feet = [7, 19 gal - (                                                                                                                         | 0.85 gal] + (0.0102 x length of water column)                               |
| Depth to Product:                                                                                                                                                            | 2.58                                                                        |
| . Length of Water Column: 12 Preet Well Volume: 1.22                                                                                                                         |                                                                             |
| 3 PLIPCE DATA                                                                                                                                                                | ft _2-in well = 0.167 gubit _1-in well = 0.667 gubit3-in well = 1.169 gabit |
| Date Purged: 5-10 · 11                                                                                                                                                       | Time: 1314 Equipment Model(s)                                               |
| Purge Method: U Centrilugal Pump U Peristrilic Pump U Inertial Lift Pum                                                                                                      | Pump 14" Sub, Pump<br>p 2 Other: Wale, (co 1. Water 10                      |
| Materials: Pupp/Bailer Polyethylene Stainless PVC I Fellore                                                                                                                  | 1) Olher: 2 V11 - 556                                                       |
| Materials: Rope/ Fybring Polyethylene U Polypropylene U Tellorio U N                                                                                                         | Nula 11 Other 3 10 7                                                        |
| Volume to Ruran (minimum)                                                                                                                                                    | red U Disposable                                                            |
| Was well purpert dor2 11 Yes 11 No. Durns or                                                                                                                                 | _ yallons                                                                   |
| Cum, Gallons: pH Femo Spec Cond One                                                                                                                                          | gal/min Calibrated? Yes                                                     |
| Time Removed                                                                                                                                                                 | DO Finibidity                                                               |
| (1) E0.1 SU E2 C ±10 µS/cm ±20 mV                                                                                                                                            | $\frac{10.2 \text{ ing/L}}{10 \text{ NTU}} \le 10 \text{ NTU}$              |
| 1324 0.02 6.51 24.02 3.489 114.8                                                                                                                                             | 6.43 2.14 19261                                                             |
| 137 0.04 6.51 28.81 3.518 116.6                                                                                                                                              | 5.54 0.96 7011                                                              |
| 1344 0.06 655 3031 7.532 118.1                                                                                                                                               | 4.74 7 51 70816                                                             |
| 1354 0.08 6.51 3237 3.536 124.8                                                                                                                                              | 4.25 069 70255                                                              |
| 1404 0.10 6.49 33.52 3.559 124.8                                                                                                                                             | 4.27 A Cl. 7171 -                                                           |
|                                                                                                                                                                              | Purga data analia ad                                                        |
| 4. SAMPLING DATA                                                                                                                                                             | stinge vata continued on next sheet?                                        |
| Method(s): J Bailer, Size: J Bladder Pump J 2* Sub. Pump<br>J Centrifugal Pump J Periodal Pump J Levis and Levis and Levis and Levis and Levis and Levis and Levis and Levis | P U 4* Sub. Pump                                                            |
| Materials: Pump/Bailer UPolyethylene UStainless UPVC C Teffore                                                                                                               | Other: Ferrous Iron: mg/L                                                   |
| Dedicated Drepared Off-Sile Difield-Cleaned                                                                                                                                  | d 🛛 Disposable DO: mg/L                                                     |
| Materials: Hubing/Rope 2 Polyethylene U Polypropylene U Tallon® U Nylon<br>2 Dedicated U Prepared Off-Site U Field-Cleaned                                                   | Disposable Nitrate: mo/L                                                    |
| Depth to Water at Time of Sampling: Field Filtered?                                                                                                                          | Tes I No. Sulfate:                                                          |
| Sample IDI An The Sample Date: 110.11 Sample Time: 1520                                                                                                                      | # of Containers: 2 Alkalistic                                               |
| Duplicate Sample Collected? Yes YNo ID:                                                                                                                                      | # of Containers:                                                            |
| Equipment Blank Collected? J Yes 🖌 No ID:                                                                                                                                    | + of Containers:                                                            |
| COMMENTS L'Anne Chan 1                                                                                                                                                       |                                                                             |
| 1/4 sucha Ising and all another                                                                                                                                              | ce couldn't stabalize                                                       |
| high live, to h                                                                                                                                                              | ap Non ging dy.                                                             |
| te: Include comments such is well condition, odor, presence of NAPL, or other items not o                                                                                    |                                                                             |
|                                                                                                                                                                              |                                                                             |



LID: <u>MW-36 Zone 5-Waterloo</u>

| 3. PUR   | GE DA ΓΑ               | (contir                                   | nued from        | n page             | )                        |          |              |                               |                      |   |
|----------|------------------------|-------------------------------------------|------------------|--------------------|--------------------------|----------|--------------|-------------------------------|----------------------|---|
| fune     | Cun, Gallon<br>Removed | s pH                                      | lemo             | Spec. Cond.        | د } <del>ا</del> ر ا     | 12()     | Farbidity    | Water Level                   | Comments             | × |
|          | 6(al)                  | - 0,1 ju                                  | ss 32.0<br>————— | - 10 gG cm         | voreio≂io<br>oav         | 0.2 mg4  | 5 10 NTU     | -                             |                      | _ |
| 1414     | 0.12                   | 4.52                                      | 53.73            | 3.576              | 125.0                    | 4.33     | 0.51         | 7102.4                        |                      |   |
| 1424     | 2.14                   | 4.51                                      | 34.57            | 3.566              | -14.8                    | 4.27     | 0.50         | 7124.5                        |                      |   |
| 1434     | 0.16                   | 6.52                                      | 35.71            | 3.5 73             | -30.1                    | 3.96     | 0.51         | 7149.5                        | s 1 2 <sup>2</sup>   |   |
| 1444     | 0.18                   | 6.53                                      | 36.53            | 3.576              | -14.0                    | 3.58     | 0.50         | 7143.0                        |                      |   |
| 1454     | 0,20                   | 645                                       | 37.11            | 3.585              | 37.4                     | 3.34     | 0.50         | 7198.5                        |                      | ħ |
| 1304     | 0.22                   | 6.32                                      | 37.1A            | 3.594              | 10.7                     | 3.39     | 251          | 7134.5                        | 2                    |   |
| 1514     | 0.24                   | 6.60                                      | 38.25            | 3.595              | 42.7                     | 3-19     | 0.50         | 7 195.5                       |                      |   |
| 1520     | Collect                | nal                                       | SANA             | 4                  | 3                        |          |              |                               |                      |   |
|          | 8                      |                                           |                  |                    |                          |          |              | ал <u>а</u> ў<br>П            |                      |   |
|          | 1 a 1                  |                                           |                  | 8                  |                          | 1        |              | * i<br>1                      |                      |   |
|          | 2                      |                                           |                  |                    | 19 A                     |          |              |                               |                      |   |
|          |                        | 1                                         |                  | - 1                |                          | 1        |              |                               |                      |   |
|          |                        | :                                         | 10               | Ĩ.                 | 1                        | 1        |              | î                             |                      |   |
|          | 8 - 1                  | *                                         | о<br>1 р. я      | 8                  |                          | 54<br>(* |              |                               |                      |   |
|          |                        |                                           |                  | 9 - F              | 3 <sup>340</sup> 38<br>3 |          |              |                               |                      |   |
| 1        |                        |                                           |                  |                    | 14<br>1                  |          | - 1          |                               |                      |   |
|          |                        |                                           | •                | -                  | -                        | 1        | ī            | -                             |                      |   |
|          |                        |                                           | t.               | -                  |                          | 1        | \$ <b>\$</b> |                               |                      |   |
|          | - <u>-</u>             |                                           | -E               | line" e            | đ.                       |          | 3 - 4        |                               |                      |   |
| g        |                        | = 4 - = 14                                |                  |                    |                          |          | i, i         | e <sup>2</sup> ≡ <u>≠</u> = L |                      |   |
| <u> </u> | n bi na s              | 5 A                                       | 1 2400<br>5 3    | _ = = <del>0</del> |                          |          | i - 2        |                               |                      |   |
|          |                        |                                           |                  |                    |                          | 5 4<br>1 | 1            |                               | lie d <sup>e</sup> A |   |
|          |                        |                                           |                  | 5 - 5 - <u>3</u> 6 | a a The St               | - 1 - 1  |              |                               |                      |   |
|          | 4.75                   | in an |                  |                    |                          |          |              |                               |                      |   |
| 24       |                        |                                           |                  |                    |                          | •        |              |                               |                      |   |
|          | - 1993                 | 8                                         |                  |                    | K                        |          | ۲. j         |                               |                      |   |
| 1        |                        |                                           |                  | Curren S           |                          |          |              |                               |                      |   |
|          | 8<br>8                 |                                           |                  |                    |                          | -        |              |                               |                      |   |

Purge data continued on next cheet?



WELL ID: \_\_\_\_\_MW-37 Zone 1\_\_\_\_\_

| Report Number 100270                                                                                                   |                                                                               |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Client: Owons Cossing                                                                                                  | Area of Concern:                                                              |
| Project Los daus: Anderson, Sauth Communication                                                                        | Personnel: USA                                                                |
| 2 Michael Anderson, Solith Carolina                                                                                    | _ Weather: ~757, Clear                                                        |
| 2. WELL DATA Date Measured: 1.1. 1.1.                                                                                  | Time:                                                                         |
| Casing Diameter:inchesfype: @PvcStanle                                                                                 | ess Li Gulv. Sicel Li Tetlare Li Other                                        |
| Screen Diameter: 1inches Type: #PVC I Stainle                                                                          | ss 🖾 Galv. Sleef 🗳 Teflorið 🗖 Othar                                           |
| Total Depth of Well: 195 feet From: Top of Well Cas                                                                    | ing (FOC) 1 Fop of Protective Casing 1 Other                                  |
| Depth to Static Water: 1.51 feet From: Top of Well Case                                                                | Ing (TOC) Top of Protective Casing D Other:                                   |
| Depth to Product:feet From: Fop of Well Casi                                                                           | ng (TOC) 🖾 Top of Protective Casing 🖾 Other:                                  |
| Length of Water Column: 177.17 met Well Volume: 7.19                                                                   | gal Screened Interval (from GS)-                                              |
| 3. PURGE DATA                                                                                                          | 2 - in well = 0.167 gaklt 4 - in well = 0.667 gaklt 6 - in well = 1.169 gaklt |
| Purge Method: U Biller, Size:                                                                                          | Time: 1100 Equipment Model(s)                                                 |
| Centulugal Pump L Peristaltic Pump L Inertial Lift Pump                                                                | Unp U +* Sub. Pump<br>1. 151 556 -418                                         |
| Materials: Pump/Bailer U Polyelhylene U Stainless U PVC U Tellonie U<br>U Dedicated U Prepared Off-Site U Field. Class | Other: 2: Sliver 102                                                          |
| Materials: Rope/Tubing Tolyethylene Delypropylene Tollone TNy                                                          | Ion Ci Other: 3. QED 14050                                                    |
| Volume to Purge (minimum): 3 well volumes or 21 CC                                                                     | "Disposable 4 GEO 1" 31_2                                                     |
| Was well purged dry? U Yes U No Pumping Bate                                                                           | allons ORT-ISCG                                                               |
| Cum. Gallons; pH Tomp Spec. Cond. ORP                                                                                  | DO Turbidity Calibrated? Types C                                              |
| (jai) ±0.1 su ±2.C > of ±3% or > of ±10% or                                                                            | > of ±10% or Water Level Comments                                             |
| 1140 Star                                                                                                              | +0.2 mg/L : \$ 10 NTU                                                         |
| 1142 cul ila 2002 unit                                                                                                 | 17.59                                                                         |
| 1158 7.03 18.74 0.483 -247.3                                                                                           | 5.18                                                                          |
| 1133 -0.25 450 7.41 0.712 -294.9 0                                                                                     | 1.44 3.34 June all                                                            |
| 1205 .0.50 7.49 17.43 0.150 -307.4 0                                                                                   | 229 300 20 m                                                                  |
| 1215 10.75 7.39 17.31 0 521 -2049                                                                                      | <u>L</u> <u>J.17</u> <u>19</u> <u>7</u>                                       |
|                                                                                                                        | - 29 3.48 39.84                                                               |
| 4. SAMPLING DATA                                                                                                       | Purge data continued on next sheet?                                           |
| Method(s): J Bailer, Size: JBladder Pump J 2" Sub, Pump                                                                | Geochemical Analyses                                                          |
| Materials: Pump/Bailor U Polyethylene Scholars 12 Guo in Fither Urol                                                   | her: Ferrous Iron: mg/L                                                       |
| Dedicated ☐ Prepared Cit-Site ☐ Feldor® ☐ Ot                                                                           | Disposable DO: mg/l                                                           |
| Materials: Tubing/Rope '과 Polyethylene 그 Polypropylene 그 Teflor® 과 Nylon 그 Dedicated 그 Prepared Oft-Site 이 도마하는 것      | Other: Nitrate:                                                               |
| Depth to Water at Time of Sampling: Field Filtered?                                                                    | Disposable Ing/L                                                              |
| Sample ID/ 14 57 2 Sample Date: 1. May II Sample Time: 1345 #c                                                         | Yes I No Suirate: _/ ing/L                                                    |
| Duplicate Sample Collected? ] Yes Y No ID: # o                                                                         | f Containers: Alkalinity: Ing/L                                               |
| Equipment Blank Collected? J Yes Y No ID: #0                                                                           | f Containers:                                                                 |
| COMMENTS Jose - 100 C II D                                                                                             |                                                                               |
| The is a full the the                                                                                                  | yh cell.                                                                      |
|                                                                                                                        |                                                                               |
| er Include comments such as well condition, odor, presence of NAPL, or other items not on                              | Iha field data sheat                                                          |
|                                                                                                                        | 1/1                                                                           |



WELL ID: \_\_\_\_\_MW-37 Zone 1\_\_\_\_\_

| i3. PUF | GE DATA             | (contin  | ued fror | n page                  | L)                          |                             | _                 |                         |                 |
|---------|---------------------|----------|----------|-------------------------|-----------------------------|-----------------------------|-------------------|-------------------------|-----------------|
| 1       | Can. Calloos        | μH       | Гентр >  | Spec. Cond.             | ci) II i                    | 00                          | Finbrity          | Water Lavel             | Comments        |
| Firne   | Bettioved<br>(cpil) | ±0.1 au  | 20       | ≂of ≞3% or<br>≞t0 μS/cm | - oF∈10*5 o<br>- ≥0 mV      | r > of £10% o<br>£0.2 mg/t_ | r 10 NTU          |                         |                 |
| 112:5   | 17-10 1.0           | 7.28     | 17.52    | 0.437                   | -3047                       | 0.23                        | )9.98             | 55%                     |                 |
| 1235    | 1.25                | 7.22     | 17.54    | 0.392                   | -136.0                      | 0.25                        | 43.60             | 5.41                    | -               |
| 1245    | 1.50                | 7.20     | 17.78    | 0.386                   | - 175.5                     | 0.28                        | 45.07             | 4.55                    |                 |
| 1300    | 1.75                | 7.24     | 18.65    | 0.407                   | -273.6                      | 0.17                        | 54.08             | 3.16                    | 5 <sup>12</sup> |
| 1300    | 2.0                 | 726      | 19.22    | 0.429                   | -276.0                      | 0.24                        | 37-20             | 5.49                    |                 |
| 1320    | 2.25                | 7.28     | 19.12    | 0.459                   | -277.7                      | 0.27                        | 59,12             | 6.01                    | 11 0            |
| 1330    | 2.50                | 7.29     | 22.29    | 0.469                   | -268.5                      | 0.24                        | 59.23             | 8.81                    |                 |
| 1340    | 2.75                | 7.30     | 22.80    | 0.478                   | -2350                       | 0.26                        | 59.34             | 8.71                    | 21<br>22        |
| 1345    | Saph                |          |          |                         |                             |                             |                   | 1                       |                 |
|         |                     |          |          |                         | •                           |                             | i i               | 1                       |                 |
|         | 1                   |          |          |                         | <u></u>                     |                             |                   |                         |                 |
|         |                     |          |          |                         |                             |                             |                   | ŕ                       |                 |
|         |                     |          |          |                         |                             | in 19                       |                   | 1                       |                 |
|         |                     |          | I        | 2 0                     |                             | 8                           | s y I             |                         |                 |
|         | ŧ                   |          |          |                         | -                           |                             |                   | i.                      |                 |
|         | а<br>11 — А         |          | - 2      |                         |                             |                             |                   |                         |                 |
|         | i i                 |          | -        |                         |                             |                             |                   |                         |                 |
|         |                     |          |          | -                       | 20.2                        | ·                           |                   |                         |                 |
|         |                     | 1        | 4        | - 1 - a                 |                             |                             |                   | u                       |                 |
|         |                     | 5.4      |          |                         |                             | Ĩ                           |                   | 1                       |                 |
| -       | e – – 175           |          |          | <u></u>                 | ÷¢                          |                             | Į.                | 1                       |                 |
|         | 1                   |          |          |                         | i                           | 12.                         |                   |                         |                 |
|         |                     |          |          |                         |                             |                             | 1 y <sup>28</sup> | 51 - <sup>83</sup><br>6 |                 |
|         |                     |          |          |                         |                             |                             |                   | 143                     |                 |
|         |                     | - 10 s i |          |                         | , , , <u>(</u> <del>-</del> | *                           |                   |                         |                 |
|         |                     |          |          |                         |                             |                             |                   |                         |                 |
|         | 7654I               |          |          |                         |                             |                             |                   |                         |                 |
|         | Î.                  |          | 1        |                         |                             |                             |                   | 10                      |                 |

Purge data continued on next sheet?

Ash



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# GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: <u>MW-37 Zone 2</u>

| PROFILE ADDRESS                                                                                                                                                            |                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Client Otions Care                                                                                                                                                         | Alea of Concern:                           |
| Privat Lorent And                                                                                                                                                          | Personnel: VDX                             |
| Project Location: Anderson, South Carolina                                                                                                                                 | Weather: ~ 85°F. (1-                       |
| 2. WELL DATA Date Measured: 7. //                                                                                                                                          | Line                                       |
| Casing Diameter:inchesFype:PycStainless                                                                                                                                    | Look Station Filmporary Well: "LYas UN     |
| Screen Diameter:inches Fype:PVC Stainless                                                                                                                                  | Calv Steel - Clone - Other                 |
| Fotal Depth of Well: 232 feet From: 27 Fop of Well Casing                                                                                                                  |                                            |
| Depth to Static Water: 16.41 feet From: 1 Top of Well Casing                                                                                                               | (FOC) 1 Top of Protective Casing 1 Other:  |
| Depth to Product:feet From: U Top of Well Casing (                                                                                                                         | (TOC) 1 Fig of Protective Clising 1 Other: |
| Length of Water Column:foet Well Volume:                                                                                                                                   | ant                                        |
| Note: 1-in well = 0.041 gabit 2-                                                                                                                                           | gan Screened Interval (from GS):           |
| PURGE DATA Date Purged: Date // T                                                                                                                                          | ime:                                       |
| Purge Method: U Guiler, Size: U Centufugal Pump U Peristaltic Pump U 2* Sub. Pump                                                                                          | Equipment Model(s)                         |
| Materials: Pump/Bailer Polyethylene Stainless UPVC U Telloria Ch                                                                                                           | Uther: 1. VSI 556 MPS                      |
| Materials: Bopy Tubing Polyethylene Li Bolymon A Field-Cleaned                                                                                                             | 2. Joinge 106                              |
| U Dedicated U Prepared Off-Site U Field-Cleaned                                                                                                                            | Disposable 3. Cted 1985011*5               |
| Volume to Purge (minimum): well volumes or gallo                                                                                                                           | 4. UKT-15CE                                |
| Wits well purged dry? U Yes U No Pumping Rate: 9                                                                                                                           | al/min Calibrated? Yes                     |
| Time         Removed         Fill         Temp         Spec. Cond.         ORP           (gal)         ±0.1 su         ±2 C         > of ±3% or         > of ±10% or! > of | DO Furbidity<br>±10% or Water Level        |
| 155 Char 1                                                                                                                                                                 | 2 mg/L \$ 10 NTU Comments                  |
| Der VST till den der                                                                                                                                                       |                                            |
| 132 1 9.80 24.19 0.202 -170.8 7                                                                                                                                            | 36 011 011                                 |
| 10 0.25 10.70 18.61 0.247 -203.1 0.6                                                                                                                                       | 7 1197 Sult Sul                            |
| 0 0.50 10.62 9.85 0 140 -1210 0.0                                                                                                                                          | 10.76                                      |
| 10 125 1011 1021 0213 132.9 0.                                                                                                                                             | 1.26 16.74                                 |
| 0.35 10.36 20.7( 0.255 -182.6 0.5                                                                                                                                          | 8 2.28 16.72                               |
|                                                                                                                                                                            | Purge data continued on next sheet?        |
|                                                                                                                                                                            | Geochemical Analyses                       |
| Centrifugal Pump : Peristaltic Pump : Inertial Lift Pump : Ohner:                                                                                                          | +" Sub. Pump                               |
| terials: Pump/Bailer U Polyethylene UrSlainless U PVC U Tellon® U Other:                                                                                                   | mg/L                                       |
| terials: Tubing/Rope Polyethylene Polypropylene Tellori@ Nylon 10                                                                                                          | Disposable DO: mg/L                        |
| th to Water at Time of Sampling:                                                                                                                                           | posable Nitrate:mg/L                       |
| ple ID: 11.37 2 minute Date: 11 mail a filed Filtered? 5 Ye                                                                                                                | es J No Sulfate: mg/L                      |
| licate Sample Collected? J Yes / No. 10                                                                                                                                    | ontainers: 2 Alkalinity: mg/l              |
| pment Blank Collected?  Yes Y No ID:                                                                                                                                       | ontainers:                                 |
| # of Co                                                                                                                                                                    | ontainers:                                 |
| IVIIVIEIVIS I when a - 100 Sound film - there                                                                                                                              | he levi                                    |
|                                                                                                                                                                            | ·····                                      |
| uda comments such as well send the                                                                                                                                         |                                            |
| Stort is well condition, coor prasance of MARL                                                                                                                             |                                            |



WELL ID: \_\_\_\_\_\_MW-37 Zone 2

| 3. PUR    | IGE DATA                         | (contin      | ued fror       | n page 🤰                                | )                             |                                     |                       |                            |          |
|-----------|----------------------------------|--------------|----------------|-----------------------------------------|-------------------------------|-------------------------------------|-----------------------|----------------------------|----------|
| Funo      | Qum. Gallons<br>Removed<br>Dr.fl | µH<br>⊥0,1∹n | Feinp<br>- 2 C | opec, Cond.<br>- of +3 % or<br>+10 uScm | ORP<br>⊷ofiet0ie<br>•Viii 0≟• | EO<br>r ⇒ of ∈10″ i oi<br>-0.2 mg/L | Frataday<br>1 (1) NEU | Water Level                | Comments |
| 15413     | 1.0                              | 10.63        | 23.82          | 0.254                                   | الافترا                       | 0.55                                | 2.70                  | 16.69                      |          |
| 1550      | 1.25                             | 10.58        | 15.46          | 0.254                                   | -181.6                        | 0.46                                | 2.72                  | 16.43                      |          |
| 1/00      | 1.50                             | 10.62        | 24.20          | 0.160                                   | -136.6                        | 0.75                                | 2.86                  | 16.77                      |          |
| 1/10      | <br>Samuel d                     |              |                |                                         | 8                             |                                     | 8                     | ла, мі<br>65 П.            |          |
| 1/20      |                                  | -            |                | -                                       | 1                             | 9<br>14                             | ा स<br>इ.             | se <sup>la</sup>           |          |
| 1430      |                                  |              |                |                                         | 1. esta - 0.                  | £                                   |                       |                            |          |
| 11,40     |                                  |              |                |                                         |                               | e                                   |                       |                            |          |
| 1150      |                                  |              |                |                                         | 4                             |                                     | i                     |                            |          |
| 1.55      |                                  |              |                | 1                                       | 5                             |                                     | 1                     |                            |          |
| 1610      | Sandd                            |              |                |                                         | i Se                          | 1                                   | g                     |                            | 36 R     |
| 101-      | Jarpa                            |              |                | i n i i                                 | 8                             |                                     | 3                     | i i                        |          |
|           |                                  | *2           | 1              | 5 (L)<br>5                              | 1-                            |                                     | i –                   |                            |          |
|           | -<br>-                           | 8            |                |                                         | 10.1 E                        | 87<br>82                            |                       |                            |          |
|           | 3                                | 12 <b>—</b>  |                |                                         |                               |                                     |                       |                            |          |
|           |                                  | 6            | 6              |                                         | 1                             |                                     | * 2 _ 3               |                            |          |
| ·         |                                  |              |                |                                         | •                             | · · · ·                             |                       |                            |          |
|           |                                  |              | . 9            |                                         |                               |                                     |                       | 1. I.                      |          |
|           | 1                                | ļ            | сн. н.)<br>1   |                                         |                               |                                     | :                     | ·                          |          |
|           |                                  |              | r _ e l        |                                         |                               |                                     | 5.0                   |                            |          |
| 2         |                                  |              |                | y i til                                 |                               |                                     |                       | n i 🔤                      |          |
|           |                                  |              | έ              |                                         |                               |                                     |                       |                            |          |
|           |                                  |              | 1              | = t,                                    |                               |                                     |                       |                            |          |
|           | a - B                            |              |                | 7.01.3                                  |                               |                                     |                       | 100 0 020<br>20 0 0 0 - 00 |          |
|           | •                                |              |                |                                         |                               |                                     |                       |                            |          |
| 92.<br>12 |                                  |              | - 2 F          |                                         |                               | 가운 것 같이                             |                       |                            |          |
| 1         | 12 12                            |              |                |                                         | 2                             |                                     |                       | S-1 8                      |          |
|           |                                  | 2.2.9        |                |                                         | , v= 1                        |                                     |                       |                            | - 48 L   |
|           |                                  |              |                |                                         |                               |                                     |                       |                            |          |

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Purge data continued on next sheat?

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WELL ID: <u>MW-37 Zone 3</u>

| Client: Owens Corning Area of Contemport Personnel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | oncern:<br>1: 1) 33 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 MCLL 04 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ~ 10% Clar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2. WELL DATA Date Measured: 1.1.2.1 Fime:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Casing Diameter: I inches Type: Pyc L Stanless Cally to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Temporary Well: LYes CK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Screen Diameter: 1 inches Type: 1 PVC 1 Shinless 1 Galviste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Total Depth of Well: 272 feet From: 1 Top of Well Casing (TOC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Const Optioning D Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Depth to Static Water: 2.49 feet From: I Top of Well Casing (TOC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Fig of Protective Casing U Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Depth to Product:foet From: 'J Top of Well Cusing (TOC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Fig. of Protective Casing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Length of Water Column:feet Well Volume:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Top of Protective Casing U Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Note: 1-in well = $0.041$ - juli $t = 0.16$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Screened Interval (from GS):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 5. FORGE DATA Date Purged: 9. May .// Time:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | , an of the second second second second second second second second second second second second second second s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purge Method: J miller, Size: JABlidder Primp J 2" Silb. Pump J 4" Sub.<br>J Centrifugal Pump J Peristallic Pump J Logicit Like Pump J 4" Sub.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Pump Las Equipment Model(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Materials: Plimp/Bailer UPolyethylene Stainless UPVC U Tolloge Com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1. ISL BS6, Mrs - Sud C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Materials: Bone/Lubica 'Polyabylage 'L D-t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | able 2. DRT ISCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Dedicated U Prepared Oll-Site U Field-Cleaned Diferent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3. QED 19-50/1" Fm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Was well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4. Seller 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cun Cullered on 2 Yes I No Primping Rate: gal/min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Calibrated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Time Removed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Furbidity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| (ijal) $\pm 0.1 \text{ su} \pm 2 \text{ C}$ $\Rightarrow 01 \pm 3\% \text{ or } \Rightarrow 01 \pm 10\% \text{ or}, \Rightarrow 01 \pm 10\% \text{ or}, \\ \pm 10 \mu\text{S/cm} \pm 20 \mu\text{N}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | S to NTLL Water Level; Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1942 Ster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 50 YSI FUI ZA 1171 226                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 150 YSI FUI 7.21 21.71 0.362 -1557 1.26 7.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 83 27-83 5 4/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1.50 YSI FUI 7.11 21.71 0.362 -1553 1.26 2.<br>Too 0.25 7.41 20.12 0.452 -214.8 0.65 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 83 27-33 Sout black person                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 1.50 YSI FUI 7.11 21.71 0.362 -1557 1.26 7.<br>10 0.25 7.91 20.12 0.452 -214.8 0.65 2.<br>10 3.50 7.39 19.76 0.447 -2197 0.61 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 83 27-33 Soul flack person<br>73 24:34 "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 83 27-33 Sout black person<br>73 24:34 "<br>44 28.35 "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 83 27-93 Sould flack parts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 50 YSI FUI 7.24 21.71 0.362 -1553 1.26 7.<br>100 0.25 7.41 20.12 0.452 -214.8 0.65 2.<br>10 0.50 7.39 19.76 0.447 -219.3 0.61 2.<br>20 0.75 7.38 19.99 0.448 -218.1 0.46 2.<br>SAMPLING DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 83 27-33 Sout black public<br>73 24:34 "<br>44:28,35 "<br>53 31.30 "<br>Purge data continued on next theet? 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 83 27-33 Smit Stack parties<br>73 24:34 "<br>74 28.35 "<br>53 31.30 "<br>Purge data continued on next sheet? 5<br>Geochemical Analyses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 83 27-33 Smit Stack public<br>73 24:39 "<br>94 28.35 "<br>53 31.30 "<br>Purge data continued on next theet? 5<br>Geochemical Analyses<br>Ferrous Iron:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4.50       YSI       Full       7.94       21.71       0.362       -1553       1.26       2.         700       0.25       7.41       20.12       0.452       -214.8       0.65       2.         10       3.50       7.39       19.76       0.447       -219.3       0.61       2.         20       0.75       7.38       11.99       0.448       -218.1       0.46       2.         SAMPLING DATA         Method(s):       Bailer Size:       Feladder Pump 12" Sub. Pump 14" Sub. Pump         Laterials: Pump/Bailer 190/gethytene 15taintes 19VC 15te 16tors 100 Other:         Dedicated 190                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 83 27-33 Sout flack public<br>73 24:34 "<br>44:34 "<br>44:28:35 "<br>53 31:30 "<br>Purge data continued on next sheet? 3<br><u>Geochemical Analyses</u><br>Ferrous Iron:fig/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 83       21-33       Smith flack produce         73       24.34       "         94       28.35       "         53       31.30       "         Purge data continued on next theet?         Geochemical Analyses         Ferrous Iron:fig/L         DO:mg/L                                                                                                                                                                                                                                                                                                                                                                                             |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 83       27-33       Smith flack public         73       24.34       "         74       28.35       "         53       31.30       "         Purge data continued on next sheet?         Geochemical Analyses         Ferrous Iron:fig/L         DO:      mg/L         Nitrate:      mg/L                                                                                                                                                                                                                                                                                                                                                             |
| 4.50       YSI       Full       7.41       21.71       0.362       -/353       1.26       7.         400       0.25       7.41       20.12       0.452       -214.8       0.65       2.         10       0.50       7.39       19.76       0.447       -219.3       0.61       2.         20       0.75       7.38       19.99       0.438       -218.1       0.46       2.         SAMPLING DATA         Method(s):       "Bailer, Size:       *Bladder Pump 1 Peristaltic Pump 1 ential Lift Pump 1 Other:         2 Centrifugat Pump 1 Peristaltic Pump 1 Inertial Lift Pump 1 Other:         *Dedicated 1 Prepared Off-Site 1 Field-Cleaned 1 Disposable         *Dedicated 1 Prepared Off-Site 1 Field-Cleaned 1 Disposable         *Field Cleaned 1 Disposable         *Field Filtered? 1 Yes 1 No         *Field Filtered? 1 Yes 1 No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 83       21-33       Smith flack problem         73       24.39       "         94       28.35       "         93       31.30       "         Purge data continued on next theet?         Geochemical Analyses         Ferrous Iron:       fig/L         DO:       mg/L         Nitrate:       mg/L         Sulfate:       ing/L                                                                                                                                                                                                                                                                                                                      |
| 4.50       YSI       Full       7.44       21.71       0.362       -1553       1.26       7.         400       0.25       7.41       10.12       0.452       -214.8       0.65       2.         10       0.50       7.39       19.76       0.447       -219.3       0.61       2.         20       0.75       7.38       19.90       0.448       -218.1       0.46       2.         SAMPLING DATA         Method(s): <ul> <li>Bailer, Size:</li> <li>Centulugal Pump</li> <li>Portstaltic Pump</li> <li>Inertial Lift Pump</li> <li>Other:</li> <li>Dedicated</li> <li>Prepared Off-Site</li> <li>Field-Cleaned</li> <li>Disposable</li> <li>Polyethylene</li> <li>Polypropylene</li> <li>Tellonig</li> <li>Monthered</li> <li>Sample Date:</li> <li>The All Sample Time:</li> <li>Field Filtered?</li> <li>Yes</li> <li>Monthered</li> <li>Sample Collected?</li> <li>Yes</li> <li>Monthered</li> <li>Tellonig</li> <li>Sample Collected?</li> <li>Yes</li> <li>Monthered</li> <li>Sample Collected?</li> <li>Yes</li> <li>Monthered</li> <li>Sample Collected?</li> <li>Yes</li> <li>Monthered</li> <li>Sampl</li></ul> | 83       21-33       Smith flack public         73       24.34       "         74       28.35       "         75       31.30       "         Purge data continued on next theet?         Geochemical Analyses         Ferrous Iron:       mg/L         D0:       mg/L         Nitrate:       mg/L         Sulfate:       ing/L         Alkalinity:       mg/L                                                                                                                                                                                                                                                                                         |
| 4.50       YSI       Full       7.41       21.71       0.362       -/553       1.26       7.         400       0.25       7.41       20.12       0.452       -214.8       0.65       2.         10       0.50       7.39       19.76       0.447       -219.3       0.61       2.         20       0.75       7.38       19.99       0.438       -218.1       0.46       2.         SAMPLING DATA         Method(s):       1.6       0.448       -218.1       0.46       2.         SAMPLING DATA         Method(s):       1.6       1.7         1 Bailer, Size:       1.76       1.748       -218.1       0.46       2.         SAMPLING DATA         Method(s):       1.6       1.738       19.99       0.438       -218.1       0.46       2.         Sample Date: Total Pump II Paratalitic Pump II Inertial Lift Pump II Other:       1.6       1.6       1.6       1.6       1.6         Identidater Pump II Paratal Off-Site II Field-Cleaned II Disposable         IDedicated II Prepared Off-Site II Field-Cleaned II Disposable         IDedicated II Prepared Off-Site                                                                                                                                                                                                                                                                                                                    | 83       21-33       Smith       Such       parties         73       24.39       "       "         94       28.35       "       "         94       28.35       "       "         94       28.35       "       "         94       28.35       "       "         94       28.35       "       "         95       31.30       "       "         94       28.35       "       "         95       31.30       "       "         96       Geochemical Analyses       "       "         90:       mg/L       "       "         90:       mg/L       "       "         91:       Mitrate:       mg/L       "         92:       Alkalinity:       mg/L       " |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 83       21-33       Smith       Sum product         73       24.34       11         74       28.35       11         75       31.30       11         Purge data continued on next theet?         Purge data continued on next theet?         Geochemical Analyses         Ferrous Iron:       frg/L         DO:       frg/L         Nitrate:       ing/L         Sulfate:       ing/L         Alkalinity:       mg/L                                                                                                                                                                                                                                  |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 83       21-33       Smith       Such       parties         73       24.39       "       "         94       28.35       "       "         Purge data continued on next theet?         Geochemical Analyses         Ferrous Iron:       fig/L         DO:       mg/L         Nitrate:       ing/L         Sulfate:       ing/L         Alkalinity:       mg/L                                                                                                                                                                                                                                                                                          |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 83       21-33       Smith flack putter         73       24.34       11         74       28,35       11         75       31.30       11         Purge data continued on next theet?         Geochemical Analyses         Ferrous Iron:       frg/L         DO:       img/L         Nitrate:       ing/L         Sulfate:       ing/L         Alkalinity:       img/L                                                                                                                                                                                                                                                                                  |

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FORM GW a



WELL ID: \_\_\_\_\_MW-37 Zone 3\_\_\_\_\_

| 3. PUR  | IGE DATA                  | (contin | ued from | n page 🛛                                           | )                                       | · · · ·                   |           | · · · · · · |                                       |
|---------|---------------------------|---------|----------|----------------------------------------------------|-----------------------------------------|---------------------------|-----------|-------------|---------------------------------------|
| fima    | Cinn, Gallons<br>Pennovod | рі I    | Ferrip   | spee, Cond.                                        | ener<br>• enerte te                     | 00                        | Forbality | Water Lavel | Commonds                              |
| . 1909  | (-j.d)                    | •0.1 su | +2 0     | <ul> <li>or ears or</li> <li>ero gis/cm</li> </ul> | - or enors or<br>- <u>-0</u> mV         | +01 €10/1-07<br>+0 2 mg/L | 3 IO N FU |             |                                       |
| 1730    | 1.00                      | 7.77    | 17.81    | 0.432                                              | -217.2                                  | 0.42                      | 2.19      | 35.83       | 11                                    |
| 740     | 1.25                      | 7:15    | 19.71    | 0.424                                              | -217.4                                  | 0.40                      | 2.45      | 39.97       |                                       |
| 750     | Sangelil -                |         |          |                                                    |                                         |                           |           | ц<br>       |                                       |
| 300     | 9 <b>1</b> 0              |         |          |                                                    | 1 2 1                                   |                           |           | ân cu       |                                       |
| 310     | 960 T                     |         |          |                                                    |                                         |                           |           |             | 5                                     |
| 320     | 2 V V                     |         | 1        | 11                                                 |                                         | с <sup>ч</sup> .          |           |             | · · · · · · · · · · · · · · · · · · · |
| 830     |                           |         |          |                                                    |                                         |                           |           |             |                                       |
| 1840    | -                         |         |          | 4                                                  |                                         | !                         |           |             | 5 T                                   |
| 350     |                           |         |          |                                                    |                                         |                           |           | i           |                                       |
|         | 2                         |         |          |                                                    |                                         |                           | - 3       | i i         | •                                     |
|         |                           |         |          | S.                                                 |                                         |                           | 3         |             |                                       |
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|         |                           | -       |          | 1                                                  | ÷.                                      |                           |           | 3           | ×                                     |
| <u></u> |                           |         |          |                                                    |                                         | ·                         |           | · · ·       |                                       |
|         |                           |         |          | *                                                  | , i i i i i i i i i i i i i i i i i i i |                           | ,         | 4           |                                       |
| 11      |                           |         |          | . 1                                                |                                         | 1                         | 23        |             |                                       |
|         |                           | - Ta    |          |                                                    |                                         |                           | 4         |             |                                       |
| <br>    |                           | 6       |          |                                                    |                                         |                           |           |             |                                       |
|         |                           | 2 2     |          | i se                                               |                                         |                           | 2 10 1    |             | _                                     |
|         |                           |         |          |                                                    | 3                                       | *2.<br>                   |           |             |                                       |
|         |                           |         | 16<br>20 |                                                    | 1                                       | <u> </u>                  |           |             |                                       |
|         |                           |         |          |                                                    | 1/<br>                                  |                           |           | 2<br>1 30 2 |                                       |
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|         |                           |         |          |                                                    |                                         |                           |           |             |                                       |
|         |                           |         |          |                                                    |                                         |                           |           |             |                                       |
| · =     |                           |         |          |                                                    | 1)<br>(1)                               |                           |           |             |                                       |
|         |                           | 8       |          |                                                    |                                         | 20 II.                    |           |             |                                       |

Purge data continued on next sheet?

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WELL ID: MW-38 7 me 1

| 1. PROJECT INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Project Number: Task Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Area of Concern:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Client: QUEAS (2min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Personnel: 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Project Location: And man SL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Weather: Sunny v 2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2. WELL DATA , Date Measured: 5.4.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Time: +wx)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Casing Diameter:inches Type: APVC LI Stainless                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | U Galv. Steel U Tellon D Q Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Screen Diameter:inches Type: PVC I Stainless                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 니 Galv. Steel 니 Teflor: 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Total Depth of Well: 430 feet From: A Top of Well Casing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (TOC) Top of Protective Casing Dother:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Depth to Static Water 23.24 feet From: A Top of Well Casing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (TOC) Top of Protective Casing Dther:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Depth to Product:feet From: '] Top of Well Casing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (TOC)  Top of Protective Casing  Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Length of Water Column: 400 feet Well Volume: 16-67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | gal Screened Interval (from GS):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Note: 1-in well = 0.041 gal/ft 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ?-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 3. PURGE DATA Date Purged: <u>5.(1.1)</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Time: 14(4 Equipment Model(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Materials: Pump/Bailer Delyethylene A Stainless DPVC Tellon® D<br>Dedicated Prepared Off-Site Field-Cleane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Other:2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Materials: Rope/Tubing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | a Disposable 3. <u>11-55%</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Volume to Purge (minimum): well volumes or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4. 07-1 - 15-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| 1424 0.05 7.62 25.18 0.355 -128.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.72 2.37 20.421                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1434 0.10 7165 27.44 0.355 -121.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.72 1.87 22.651                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1444 0.15 7.48 21.73 0.354 -1100 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 255 125 74701                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| 4 SAMPLING DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Purge data continued on next sheet?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Depth to Water at Time of Sampling: [615 Field Filtered?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ves D No. Sulfate: mo/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Equipment Blank Collected?  Yes  No ID: 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | of Containers:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5. COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| lote: Include comments such as well condition, odor, presence of NAPL, or other items not o                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | n the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

1504



#### WELL ID: WW-38 Zane I

| 3. PUR  | GE DATA      | (contir | nued from    | n page _/                | _)                    |                            |             |              |                      |
|---------|--------------|---------|--------------|--------------------------|-----------------------|----------------------------|-------------|--------------|----------------------|
| - Fina  | Cun. Gallons | s pH    | Готр         | Spec. Cond.              | ORP                   | 00                         | Furbidity   |              |                      |
| Lime    | (gal)        | ะ0.1 su | <u>+</u> 2°C | > of ±3% or<br>±10 µS/cm | > of ±10% o<br>±20 mV | r > of ±10% (<br>±0.2 mg/L | or ≤ 10 NTU | Water Leveli | Comments             |
| 1514    | 1,70         | 7.41,   | 25.82        | 0.348                    | -54.0                 | 1.68                       | 2.70        | 35.30        | /                    |
| 1524    | 0.35         | 7.49    | 26.04        | 0.349                    | -71.5                 | 1.99                       | 2.65        | 37.42        | /                    |
| 1534    | 0.40         | 7.16    | 26.27        | 2348                     | - 50.6                | 2.31                       | 2.5%        | 40.00'       | - x                  |
| 1544    | 0.45         | 7.19    | 26.57        | 0.347                    | -54.6                 | 2.48                       | 2.74        | 12.63'       |                      |
| 1554    | 0.50         | 7.25    | 21.50        | 0.346                    | -14.2                 | 2.44                       | 251         | 44.35        |                      |
| 1604    | 0.60         | 7.30    | 29.59        | 0.349                    | -37.3                 | 2.57                       | 247         | 45.60        |                      |
| 1614    | 0.70         | 130     | 30.56        | 0.345                    | -35.8                 | 2.51                       | 7.34        | 15.65        | /                    |
| 1615    | Collecte     | et sa   | n.a          |                          |                       |                            |             |              | -                    |
|         |              |         |              |                          |                       | 1                          |             | -            |                      |
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|         | I            |         |              |                          |                       |                            |             |              | 8 . e <sup>3</sup> 2 |
|         |              |         |              | 1                        |                       |                            |             |              | - <sup>8</sup>       |
|         |              |         |              | 1                        |                       |                            |             |              |                      |
|         |              |         |              |                          | 1                     |                            |             |              |                      |
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|         |              |         |              | ĺ                        | -                     |                            |             |              |                      |
|         |              | 1       |              |                          | 1                     | - 14<br>14                 |             |              |                      |
| •       |              | -       |              |                          | 1                     |                            | !           |              |                      |
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|         |              | ļ       |              |                          |                       |                            |             |              |                      |
|         | 1            | 1       |              | 1                        |                       |                            | -           | - 56         |                      |
|         |              |         | -            |                          | †<br>1                | 1                          |             | 1            |                      |
|         |              |         |              |                          |                       | 1                          |             |              |                      |
| 1 2 - 8 | · · ·        |         |              |                          |                       |                            |             | į            |                      |
|         |              |         |              | 1                        |                       |                            |             | 1            |                      |
| _       |              |         |              | - 1                      |                       |                            | _           |              |                      |
|         |              |         |              |                          | -4-1-                 | (                          | i           |              |                      |
| 1       |              | a e ĝ   |              |                          |                       |                            |             |              | · · · · · · · · ·    |

Purge data continued on next sheet?



WELL ID: MW- 3 Zone 2

| Project Number:       Tisk Number:       Aria of Concern:         Client:       Questa       Carling       Personnet:       Screen Dismeter:         Project Location:       Well Carling       Personnet:       Screen Dismeter:       Tompoony Well:       UVes_dNo         Carling Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Project Number:       Task Number:       Area of Concern:         Clant:       Que n       Carrier       Personnet:       Summer Second:         Project Location:       Meatures:       Weatures:       Tompony Weit:       Ures:         Casing Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1. PROJECT INFORMATION                     | 8                                                            |                             |                             |               |                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|-----------------------------|-----------------------------|---------------|-----------------------------------------------|
| Client: 200+0.2 (2004)       Personnel: 3/2         Project Location: 1/2004       1/2004         Casing Diameter: (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Client: 200 + 12 Continues 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Control 1 Contro | Project Number: Task                       | Number:                                                      | Area of C                   | Concero:                    |               |                                               |
| Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Location:       Project Locati:       Project Location:       Proj                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Project Location:       Weather:       Server 2: 41:1       Time:       Arr         Casing Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Client: Uwons Coning                       |                                                              | Personne                    | al 3/                       |               |                                               |
| 2. WELL DATA       Date Measured: \$\frac{\subset{1}}{\subset{1}}\$ Time: \$\frac{1}{\subset{2}}\$ Tompony Well: Uver_DNet         2. Casing Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | WELL DATA       Date Measured:       £ - f. f. f       Time:       A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Project Location:                          | <u>ب</u>                                                     | Weather                     | Sereas                      | 1. 1          |                                               |
| Casing Glameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Casing Diameter:       Linches       Type:       UPVC       Usinelss       U also:       State U failored       Tompony Welt:       UVes       Also         Screen Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 WELL DATA Data                           | Magguradi E. S. a.                                           | weather.                    | 2019                        |               | <u>) -                                   </u> |
| Common Deam Network       Implete yind Stainless Usaw Steel U Fallon® U Other.         Streen Diameter:       Implete yind Stainless U Galv. Steel U Tollon® U Other.         Total Depth of Well:       Steel Total Medicating (TOC) U Top of Protective Casing U Other.         Depth to Static Water-with Medicating (TOC)       In op of Protective Casing U Other.         Depth to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Count grant and the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set                                | Casing Diameter: / Jackson                 |                                                              | ( ime: _                    | A.A.A.                      | To            | emporary Well: LIYes /INo                     |
| Durbanestic:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Outcomments       Indices       Type       Type       Outcome       Outcome         Depth to Static Water       Form: Uno of Well Casing (TOC)       Top of Protective Casing       Other:         Depth to Static Water       From: Uno of Well Casing (TOC)       Top of Protective Casing       Other:         Length of Wate Column:       Yeet       From: Uno of Well Casing (TOC)       Top of Protective Casing       Other:         Length of Water Column:       Yeet       Yeet       Yeet       Yeet       Screened Interval (from GS):         Note: In well = 0.041 yakt       Yen well = 0.041 yakt       Yen well = 0.041 yakt       Yeet       Yeet         PURGE DATA       Date Purged:       Screened Interval (from GS):       Note: In well = 0.041 yakt       Yeet       Yeet         Purge Method:       UBaters Stat:       UBaters UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective Casing UP Protective UP Protective UP Protective Casing UP Protective UP Protective Casing UP Protecti                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Screen Diameter:                           |                                                              | iless 🗆 Galv, S             | Steel 🖵 Feffond             | ୬ ⊔ Other:    |                                               |
| Depth to Static Water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Purph to Study Water with the stand (100)       Top of Protective Casing Other         Depth to Study Water with the stand (100)       Top of Protective Casing Other         Depth to Study Water with the stand (100)       Top of Protective Casing Other         Length of Water Column:       Year Water with a construction of the stand (100)       Top of Protective Casing Other         Purge Method:       Construction       Screened Interval (from GS):         Note:       In well = 0.187 subt - find water a construction of the stand (100)       Screened Interval (from GS):         Purge Method:       Construction of the stand Purged:       Scheened Interval (from GS):       Scheened Interval (from GS):         Purge Method:       Construction of the stand Purged of Stand Purge Officing One-       Scheened Interval (from GS):       Scheened Interval (from GS):         Waterials:       Rober (from GN):       Well values of Year (100)       Other       Scheened Interval (from GS):         Waterials:       Rober (from GN):       Well values Officing One-       Other       Scheened Interval (from GS):         Waterials:       Rober (from GN):       Well values Officing One-       Scheened Interval (from GS):       Scheened Interval (from GS):         Waterials:       Rober (from GN):       Well values Officing One-       Scheened Interval (from GS):       Scheened Interval (from GS):         Volume to Purge (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Total Depth of Well:                       | From: Under of Well Of                                       | iless 🔟 Galv. S             | Steet 🖵 Telloni             | Other:        |                                               |
| Depth to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Depth to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Depth to Static Water Mitten and           |                                                              | asing (TOC) (               | Top of Protec               | tive Casing   | C Other:                                      |
| Length of Water Column: 202 feet Well Volume:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Length of Water Column:       Year       Weil Volume:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Depth to Product:                          | Erom: (1) Top of Well Ca                                     | asing (TOC) (               | J Top of Protec             | tive Casing   | Cher:                                         |
| Note / in well = 0.0410/s       Screened Interval (from GS):       Mode / interval (from GS):         Note / in well = 0.041 (gait 2 well = 0.057 gait) + fin well = 0.057 gait)       Equipment Model(s)         Purge Method:       Date Purged:       Screened Interval (from GS):       Equipment Model(s)         Purge Method:       Date Purge (Screened Interval (from GS):       Screened Interval (from GS):       Equipment Model(s)         Materials:       PurpfBailer       Devetytene U Stainless U PVC       Tellor® U Onter       4         Materials:       Roperfubition       UPolythytene U Polytopytene U Tellor® U Onter       3         Volume to Purge (minimum):       well volumes or       gallons       4         Volume to Purge (minimum):       well volumes or       gallons       4         Volume to Purge (minimum):       well volumes or       gallons       4         Was well purged dry?       Y vs       No       PurpfBailer:       gal/min       Calibrated? styles Involumes or         Time       Removed       40.1 su       20 styles or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or soft 10% or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Aller Linit vell 2041 (Jahrt 2 and 4) well a UBT guilt 1: well 2047 gaint 2: well 1: UBT gaint 2: well 2: UBT gaint 2: WET gaint 2:                                | Length of Water Column: 500 feet           | Well Volume:                                                 | asing (TOC)                 | J Top of Protec             | tive Casing   | U Other:                                      |
| A. PURGE DATA       Date Purged: <u>5.4.11</u> Time: <u>175</u> Equipment Models         Purge Method: <u>Baller, Size</u> UBladder Purp <u>0.25 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>0.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp</u> <u>10.14 Sub, Purp<u>10.14 Sub, Purp</u><u>10.14 Sub, Purp</u><u>10.14 Sub, Purp</u><u>1</u></u> | PURGE DATA       Date Purged:       \$\subset\$ - 4.(1)       Time:       [135]       Equipment Model(s)         Purge Method:          Bater, Size:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            | Note: 1-in well = 0.041 gal                                  | gai<br>ft 2-in well = 0     | Screened<br>167 gal/ft 4-in | Interval (fro | m GS):                                        |
| Purge Method:       UBaller, Size:       UBalder Purp: D 2 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub. Purp: D 4 Sub                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Purge Method:          Balder, Size:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | . PURGE DATA Date I                        | Purged: 5.4.(1                                               | Time:                       | コケリー                        |               |                                               |
| Materials: Pupop Baller       Development Standards UP void Standards UP void Standards UP void Standards UP void Standards UP void Standards UP void Standards UP void Standards UP void Standards UP void Void Standards UP void Void Void Void Void Void Void Void V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Materials: Pupp/Bailer       Polyethylene       Stainless       PVC       Teloro P       Other.       2.       DL: - (SZE         Materials: Rope/Tubil       Dedicated       UPrepared OK-Site       Dedicated       Dedicated       UPrepared OK-Site       Dedicated       UPrepared OK-Site       Dedicated       Dedicated       Dedicated       Dedicated       Dedicated       DErec.       O.       Q.       <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Purge Method: U Bailer, Size:              | U Bladder Pump D 2" Sub.                                     | Pump 🗀 4 S                  | ub. Pump                    |               |                                               |
| Materials: RoperTubing Understed Off-Site Understed Off-Site Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Understed Underste Understed Underste Understed Underste Understed Underste Understed Underste Understed Underste Understed Underste Understed Underste Underste Understed Underste Understed Underste Understed Underste Understed Underste Understed Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste Underste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Materials: RoperTubing Dedicated U Prepared Off-Site U Field Cleaned Disposable       2. Dtt-t CSCE         Materials: RoperTubing Dedivated U Prepared Off-Site U Field Cleaned UClesposable       3.         Volume to Purge (minimum):       well volumes or       gallons         Wits well purged dry?       V vs U No       No       Pumping Rate:       gallons         Cum. Gallons       pH       Temp       Spec. Cond.       ORP       DO       Turbidity         Was well purged dry?       V vs U No       Pumping Rate:       gallons       Calibrated? Dryes DNo         Cum. Gallons       pH       Temp       Spec. Cond.       ORP       DO       Turbidity         Was well purged dry?       V vs U No       Pumping Rate:       gallons       Calibrated? Dryes DNo         Cum. Gallons       pH       Temp       Spec. Cond.       ORP       DO       Turbidity         Was well purged dry?       U vs U       So 1 0 NTU       Water Level       Comments         Spec. So 1 17.35       O.17.9       -127.9       O.27       O.41       -14.9         Comments       S.O.9       1.73.9       O.17.4       -127.9       O.97       -14.9         Comments       So 2       G.O.9       S.S.7       O.41.9       So 3.7       -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Materials: Pupin/Railer D Polyethylene     | Stainless D PVC D Telloria                                   | Differ:                     | 1465140                     | · · -         | DI                                            |
| Materials: RoperTubing UPopertylene [] Polytopylene [] Polytopy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Materials: RoperTubing Unopensional Polycopylene Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Different Differ                               | Dedicated                                  | Prepared Off-Site L Field-Cl                                 | leaned Dis                  | posable                     | 2             | DCT- 15CE                                     |
| Volume to Purge (minimum):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Volume to Purge (minimum):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Materials: Rope/Tubing UPolyethylene       | 'olypropylene 🏼 Teflon® 🗋 i<br>epared Off-Site 🗳 Field-Clear | Nylon D Other               | :sable                      | 3             | 1 3                                           |
| Was well purged dry?       U       Yes       No       Pumping Rate:gal/min       Calibrated?       Zryes       No         Time       Cum. Gallons       pH       Tamp       Spec. Cond.       ORP       DO       Turbidity       Value       Comments         Ime       Removed<br>(gal)       20.1 su       22°C       > of 33% or > of ±10% or > of ±10% or > of ±10% or > of ±10% or > so ± 10% or >                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Was well purged dry?       U       Yes       No       Pumping Rate:       gal/min       Calibrated?       Types       No         Time       Cum, Gallons       pH       Tomp       Spec. Cond.       ORP       DO       Turbidity       stores       Comments         (gal)       ±0.1 su       ±2°C       > 01 ±3% or       > of ±10% or       > of ±10% or       > stores       Comments         30       2.5       B.Og       t/1.72       0.18/1       -114.4       0.4/1       0.4/8       -         30       2.5       B.Og       t/1.35       0.174       -127.9       0.02       0.4/1       -         30       4.0       8.05       1/3.7       0.174       -127.9       0.02       0.4/1       -         40       7.00       8.04       1/3.7       0.174       -127.9       0.02       0.4/1       -         410       Collected       9.35       0.174       -127.9       0.02       0.4/1       -       -         420       Foros       8.04       1/3.5       0.174       -127.9       0.02       0.4/1       -       -       -       -       -       -       -       -       -       -       -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Volume to Purge (minimum): we              | volumes or                                                   | _ gallons                   |                             | 4             |                                               |
| Curr. Gallons       pH       Tamp       Spec. Cond.       ORP       DO       Turbidity         Removed<br>(ga)       20.1 su       22°C       > of 33% or > of 210% or >                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Curr. Gallons       pH       Temp       Spec. Cond.       ORP       DO       Turbidity         Removed<br>(gal)       ±0.1 su       ±2° c       > of ±3% or > of ±10% or > 10.2 mg/L       S 10 NTU       Water Level       Comments         3.5       2.5       8.09       17.22       0.181       -114.4       0.41       0.418       —         3.5       5.09       17.35       0.179       -127.9       0.02       0.41       —         3.6       6.0       8.08       17.35       0.174       -127.9       0.02       0.41       —         3.6       6.0       8.09       17.35       0.174       -127.9       0.02       0.41       —         3.6       6.0       8.09       17.39       0.174       -127.9       0.02       0.41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Was well purged dry? D Yes D No            | Pumping Rate:                                                | gal/min                     |                             |               | Calibrated? 21 Yes 2 No                       |
| Mining       10.1 su       12°C       > of a3% or       > of ±10% or       > sto 10% or       > sto NTU       Water Level       Comments $(gal)$ 2.5 $B.OP$ $17.22$ $0.181$ $-114.4$ $0.41$ $0.4P$ $-114.4$ $-114.4$ $0.4P$ $-114.4$ $0.4P$ $-114.4$ $-114.4$ $0.4P$ $-114.4$ $-114.4$ $-114.4$ $-114.4$ $-114.4$ $-114.4$ $-114.4$ $-114.4$ $-114.4$ $-114.4$ $-114.4$ $-114.4$ $-114.4$ $-114.4$ $-114.4$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Instruction       Point Sector       Point Sector       Point Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector       Sector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cum. Gallons pH Temp                       | Spec. Cond. ORP                                              | DO                          | Turbidity                   | 1             | 1                                             |
| Ros       2.5       8.08       14.22       0.181       -114.4       0.41       0.48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3.5       7.09       14.22       0.181       -114.4       0.41       0.48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (gal) ±0.1 su ±2°C                         | > of ±3% or > of ±10% o<br>±10 µS/cm ±20 mV                  | or > of ±10% o<br>±0.2 mg/L | r ≤ 10 NTU                  | Water Leve    | Comments                                      |
| fo3       Fis       S.O.J. 14.35       O. 174       -127.9       O.O.Q.       O.35       Vol - 3.5         fo4       6.0       S.O.G. 1735       O.174       -127.9       O.O.Z.       O.41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3       ##       \$\overline{S}_1/1.35_0.179_1-127.9_0.02_0.41       0.174_127.9_0.02_0.41         50       6.0       \$\overline{S}_1/31_6_0.174_127.9_0.02_0.41       0.002_0.41         50       7.00       \$\overline{S}_19_13_6_0.174_131.41_0.00_0_0.37_1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100 2.5 8.08 17.22                         | 0.181 -114.4                                                 | 0.41                        | 0.48                        |               |                                               |
| Image: Solution of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | observed       9.05       17.31       0.174       -127.9       0.02       0.41         org       7.00       8.04       17.33       0.174       -131.01       0.00       0.377         10       (-11/cA+a)       6.000/c       6.000       0.377       -         10       (-11/cA+a)       6.000/c       1.33       0.174       -131.01       0.000       0.377       -         Purge data continued on next sheet?         CAMPLING DATA         ethod(s):       Bailer, Size:       Bladder Pump       1.ertial Lift Pump (20ther:       9.000       9.000       -       6.000       Ferrous Iron:       mg/L         aterials: Pump/Bailer       Polyethylene       Stainless       PVC       Tellone       Disposable       Do:       mg/L         aterials: Tublidy/Rope #Polyethylene       Polyethylene       Field Cleaned       20 isposable       Nitrate:       mg/L         opt to Water at Time of Sampling:       Field Filtered?       Yes ,2       No       No       Suifate:       mg/L         plicate Sample Collected?       Yes ,2       No       ID:       # of Containers:       Alkalinity:       mg/L         OMMENTS <td>503 7 8.08 17.35</td> <td>0.179 -123.0</td> <td>0.01</td> <td>0.35</td> <td></td> <td>Val = 3.5</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 503 7 8.08 17.35                           | 0.179 -123.0                                                 | 0.01                        | 0.35                        |               | Val = 3.5                                     |
| ion       7.00       8.09       17.33       0.179       -131.41       0.00       0.37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | b9       7.00       8.c9       19.38       0.179       -131.41       0.00       0.37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 106 6.0 8.08 17.3%                         | 0.174 -127.9                                                 | 0.02                        | 0.41                        |               |                                               |
| SAMPLING DATA       Purge data continued on next sheet?         Method(s):       Bailer, Size:       Bladder Pump       2' Sub, Pump       4' Sub, Pump         Method(s):       Centrifugal Pump       Peristaltic Pump       1 centrifugal Pump       Peristaltic Pump       6eochemical Analyses         Materials:       Pump/Bailer       Polyeinylene       Stainless       PVC       Tellon®       Other:       DO:       mg/L         Materials:       Tubing/Rope       Polyeinylene       Polypropylene       Tellon®       Other:       mg/L         Materials:       Tubing/Rope       Proprethylene       Polypropylene       Tellon®       Other:       mg/L         Materials:       Tubing/Rope       Proprethylene       Polypropylene       Tellon®       Other:       mg/L         Materials:       Tubing/Rope       Proprethylene       Polypropylene       Tellon®       Nylon       Other:       mg/L         Materials:       Tubing/Rope       Proprethylene       Polypropylene       Tellon®       Nylon       Other:       mg/L         Materials:       Tubing/Rope       Proprethylene       Ferrous Iron:       mg/L         Nample ID:       Field Filtered?       Yes Z       No       Suifate:       mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10       (-II): CAread Scouple         Purge data continued on next sheel?         GAMPLING DATA         ethod(s):         Bailer, Size:       Bladder Pump         Centrifugal Pump       Peristaltic Pump         Decicated       Pregrated Off-Site         Decicated       Pregrated Off-Site         Decicated       Prepared Off-Site         Decicated       Pregrated Off-Site         Decicated       Prepared Off-Site         Decicated       Prepared Off-Site         Disposable       Nitrate:         mple ID:: M'10-3f       Sample Date: J' + // Sample Time: If J         wipment Blank Collected?       Yes A         No       ID:         Wipment Blank Collected?       Yes A         OMMENTS       Suble Containers:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 109 7.00 8.09 17.38                        | 0.179 -131.4                                                 | 0.00                        | 0.37                        |               |                                               |
| SAMPLING DATA         Method(s):       Bailer, Size:       Bladder Pump       2'Sub, Pump       4'Sub, Pump         Method(s):       Centrifugal Pump       Peristaltic Pump       Inertial Lift Pump & Other:       Geochemical Analyses         Materials:       Pump/Bailer       Polyethylene       Stainless       PVC       Tellon®       Other:       Deficiated       mg/L         Materials:       Tubilog/Rope       Polyethylene       Polyethylene       Polyethylene       Tellon®       Other:       mg/L         Materials:       Tubilog/Rope       Polyethylene       Polyethylene       Field-Cleaned       Disposable         Materials:       Tubilog/Rope       Polyethylene       Polyethylene       Field-Cleaned       Disposable         Materials:       Tubilog/Rope       Polyethylene       Polyethylene       Tellon®       Yes       No         Materials:       Tubilog/Rope       Polyethylene       Polyethylene       Tellon®       Yes       No         Method (s):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Bailer, Size:       Biladder Pump       2* Sub. Pump       4* Sub. Pump         Bailer, Size:       Biladder Pump       2* Sub. Pump       4* Sub. Pump         Centifugal Pump       Peristaltic Pump       Inertial Lift Pump (Containers)       Geochemical Analyses         aterials: Pump/Bailer       Polyeihylene       Stainless       PVC       Tellon®       Other:         Dedicated       Prepared Off-Site       Field-Cleaned       Disposable       Do:       mg/L         Nitrate:       mg/L         Pilote to Water at Time of Sampling:       Field Filtered?       Yes 2 No       No         plicate Sample Collected?       Yes 2 No       No       ID:       # of Containers:       Alkalinity:       mg/L         Alkalinity:       mg/L       Mitate:       mg/L       Mitate:       mg/L         OD:       Yes 2 No       ID:       # of Containers:       Alkalinity:       mg/L         ODMMENTS       Subde comments such as well condition. odor, presence of NAPL, or other itams not on the field data sheet.       Subdata sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10 Collected comple                        |                                                              | i                           |                             |               |                                               |
| SAMPLING DATA       Geochemical Analyses         Method(s):       Bailer, Size:       Bladder Pump       2" Sub. Pump       4" Sub. Pump         Internals:       Pump       Peristaltic Pump       Internal Lift Pump       Other:       Percoustrian         Internals:       Pump       Polyethylene       Stainless       PVC       Tellon®       Other:       DO:       mg/L         Internals:       Pump/Bailer       Polyethylene       Stainless       PVC       Tellon®       Other:       DO:       mg/L         Internals:       Tubiog/Rope       IPolyethylene       Polypropylene       Tellon®       Nylon       Other:       mg/L         Internals:       Tubiog/Rope       IPolypropylene       Tellon®       Nylon       Other:       mg/L         Internals:       Internal Collected       Prepared Off-Site       Field-Cleaned       IPolypropylene       mg/L         Internals:       Internal Collected       Prepared Off-Site       Field-Cleaned       IPolypropylene       Mail       Mail         Internals:       Internal Collected       Prepared Off-Site       Field-Cleaned       IPolypropylene       Internal       Sulfate:       mg/L         Internal:       Internals:       Internal       Internals <t< td=""><td>SAMPLING DATA       Geochemical Analyses         ethod(s):       Bailer, Size:       Bladder Pump       2* Sub. Pump       4* Sub. Pump         in ternals:       Pump/Bailer       Polyeithylene       Stainless       PVC       Tellon®       0 ther:       Performation         aterials:       Pump/Bailer       Polyeithylene       Stainless       PVC       Tellon®       0 ther:       Performation         aterials:       Pump/Bailer       Polyeithylene       Stainless       PVC       Tellon®       0 ther:       Propresented Off-Site       Pield-Cleaned       Disposable         aterials:       Tubing/Rope       Probyeithylene       Prepared Off-Site       Field-Cleaned       Pisposable       Nitrate:       mg/L         aterials:       Tubing/Rope       Prepared Off-Site       Field Cleaned       Pisposable       Sulfate:       mg/L         aterials:       Tubing/Rope       Prepared Off-Site       Field Filtered?       Yes       No       Nitrate:       mg/L         upticate       Sample Date:       Yes       No       ID:       # of Containers:       Alkalinity:       mg/L         upment       Blank Collected?       Yes       No       ID:       # of Containers:       Alkalinity:       Mg/L      <tr< td=""><td></td><td></td><td>- N<sup>2</sup></td><td></td><td>Purge data</td><td>continued on next sheet?</td></tr<></td></t<>                                                                      | SAMPLING DATA       Geochemical Analyses         ethod(s):       Bailer, Size:       Bladder Pump       2* Sub. Pump       4* Sub. Pump         in ternals:       Pump/Bailer       Polyeithylene       Stainless       PVC       Tellon®       0 ther:       Performation         aterials:       Pump/Bailer       Polyeithylene       Stainless       PVC       Tellon®       0 ther:       Performation         aterials:       Pump/Bailer       Polyeithylene       Stainless       PVC       Tellon®       0 ther:       Propresented Off-Site       Pield-Cleaned       Disposable         aterials:       Tubing/Rope       Probyeithylene       Prepared Off-Site       Field-Cleaned       Pisposable       Nitrate:       mg/L         aterials:       Tubing/Rope       Prepared Off-Site       Field Cleaned       Pisposable       Sulfate:       mg/L         aterials:       Tubing/Rope       Prepared Off-Site       Field Filtered?       Yes       No       Nitrate:       mg/L         upticate       Sample Date:       Yes       No       ID:       # of Containers:       Alkalinity:       mg/L         upment       Blank Collected?       Yes       No       ID:       # of Containers:       Alkalinity:       Mg/L <tr< td=""><td></td><td></td><td>- N<sup>2</sup></td><td></td><td>Purge data</td><td>continued on next sheet?</td></tr<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            |                                                              | - N <sup>2</sup>            |                             | Purge data    | continued on next sheet?                      |
| Method(s):       Baller, Size:       Balder Pump 2 Sub. Pump 2 4* Sub. Pump       Ferrous Iron:       mg/L         Materials:       Pump/Bailer       Polyeihylene       Stainless       PVC       Tellon® 1 Other:       DO:       mg/L         Materials:       Pump/Bailer       Polyeihylene       Stainless       PVC       Tellon® 1 Other:       DO:       mg/L         Materials:       Tubilg/Rope       Polyeihylene       Polypropylene       Tellon® 1 Other:       DO:       mg/L         Materials:       Tubilg/Rope       Propared Off-Site       Field-Cleaned       Disposable       Nitrate:       mg/L         epth to Water at Time of Sampling:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ethod(s):       Baller, Size:       Bladder Pump [] eristaltic Pump [] eristaltic Pump [] other:       Ferrous Iron:       mg/L         aterials:       Pump/Bailer       Polyethylene [] Stainless ] PVC [] Teflon® [] Other:       DO:       mg/L         aterials:       Tubil of Rope       Propyethylene [] Polyethylene [] Prepared Off-Sile [] Field-Cleaned [] Disposable       DO:       mg/L         aterials       Tubil of Rope       Propyethylene [] Prepared Off-Sile [] Field-Cleaned [] Disposable       DO:       mg/L         aterials       Tubil of Rope       Propyethylene [] Prepared Off-Sile [] Field-Cleaned [] Disposable       DO:       mg/L         aterials       Tubil of Rope       Propyethylene [] Prepared Off-Sile [] Field-Cleaned [] Disposable       DO:       mg/L         aterials       Tubil of Rope       Propyethylene [] Prepared Off-Sile [] Field-Cleaned [] Prepared Disposable       Sulfate:       mg/L         aterials       Tubil of Rope       Sampling:       Field Filtered? [] Yes [] No       No       Sulfate:       mg/L         upment Blank Collected?       Yes [] No       ID:       # of Containers:       Alkalinity:       mg/L         OMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            |                                                              |                             |                             | Geoch         | emical Analyses                               |
| Materials: Pump/Bailer       Polyethylene       Stainless       PVC       Teflon®       Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | aterials: Pump/Bailer Polyeihylene Stainless PVC Tellon® Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Method(s): Gentrifugal Pump Genistal       | Bladder Pump □ 2* Sub. Pur<br>c Pump □ Inertial Lift Pump    | mp 🖸 4" Sub.                | Pump                        | Ferrou        | s Jron: mail                                  |
| Image: Constant in the part of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of the interval of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Securated       Interplated Oil-Site       Interplated Oil-Site       Disposable         aterials       Tubing/Rope       IPolypropylene       Pelplated Oil-Site       Nylon       Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | laterials: Pump/Bailer Delyethylene D Stai |                                                              | Other:                      |                             |               |                                               |
| Dedicated       Prepared Off-Site       Field-Cleaned       IDisposable       Nutrate:       mg/L         Pepth to Water at Time of Sampling:       Field Filtered?       Yes 2 No       Sulfate:       mg/L         Pample ID:       ID:       ID:       # of Containers:       ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Dedicated       Prepared Off-Site       Field-Cleaned       IDisposable       INitrate:       mg/L         epth to Water at Time of Sampling:       Field Filtered?       Yes       INo       Sulfate:       mg/L         imple ID:       Mix-3f       Sample Date:       Y-111       Sample Time:       If 1/2       # of Containers:       Alkalinity:       mg/L         plicate Sample Collected?       Yes       Init No       ID:       # of Containers:       Mg/L         uipment Blank Collected?       Yes       No       ID:       # of Containers:       Mg/L         OMMENTS       Sample condition. odor. presence of NAPL, or other items not on the field data sheet.       Iteld data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Aterials Tubing/Rope Polyethylene D Poly   | propylene C Teflom® C Nvlo                                   | ed 🛛 Disposa                | able                        |               | mg/L                                          |
| ample ID: <u>Mw-36</u> Sample Date: <u>J'+1/1</u> Sample Time: <u>If 10</u> # of Containers: <u>I</u> uplicate Sample Collected? I Yes I No   ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple ID:   Imple ID: Imple I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | epth to Water at Time of Samelian          | red Off-Site D Field-Cleaned                                 | Disposable                  | Э                           | witrate:      | mg/L                                          |
| uplicate Sample Collected? Yes I No       ID:       # of Containers:       Alkalinity:       mg/L         quipment Blank Collected? Yes I No       ID:       # of Containers:       ID:       ID: <t< td=""><td>Image: Stample Date.       Image: Stample Time: Ist Ist Ist Ist Ist Ist Ist Ist Ist Ist</td><td>ample ID: MW-76 Sample Data</td><td>Field Filtered?</td><td>7 🗅 Yes Ja</td><td>No<br/>7</td><td>Sulfate:</td><td>mg/L</td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Image: Stample Date.       Image: Stample Time: Ist Ist Ist Ist Ist Ist Ist Ist Ist Ist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ample ID: MW-76 Sample Data                | Field Filtered?                                              | 7 🗅 Yes Ja                  | No<br>7                     | Sulfate:      | mg/L                                          |
| quipment Blank Collected? I Yes       No       ID:       # of Containers:       )         COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | uipment Blank Collected?       Yes 1 No       ID:# of Containers:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | uplicate Sample Collected?                 | - Sample Time: 15 13                                         | # of Contain                | ers:                        | Alkalinit     | y: mg/L                                       |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | quipment Blank Collected?  Yes A No        | ID:                                                          | # of Containe               | ers:                        |               | )                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Clude comments such as well condition. odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                                                              | # of Containe               | ers:                        | -             |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | clude comments such as well condition. odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | JOMMENTS                                   |                                                              |                             |                             |               |                                               |
| Include comments such as well exectly as the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | clude comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                                                              |                             |                             |               |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | couse comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                                                              |                             | V                           |               |                                               |

2 -----




WELL ID: MU. 39 Zores

| 1. PROJECT INFORMATION                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Number: Task Number:                                                                                                | Area of Concern:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Client: Owens Crinin                                                                                                        | Personnel: 18/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Project Location: Anderon, SC                                                                                               | Weather: ~75°F, Cler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2. WELL DATA Date Measured: 4. #                                                                                            | Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Casing Diameter:                                                                                                            | Temporary Well: "Yes who                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Screen Diameter: / inches Type: 1/ PVC 1/ Stainle                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Total Denth of Well: 105 feet From: 14 Top of Well Cap                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Depth to Static Water: 16.60 feet From: Top of Well Cas                                                                     | In (TOC) 1 Top of Protective Casing U Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Depth to Product:feet · From: U Top of Well Cas                                                                             | ing (TOC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Length of Water Column:feet Well Volume:                                                                                    | nal Scrooped Integral (Scrooped |
| Note: 1-in well = 0.041 gal/ft                                                                                              | 2-in well = 0.167 gal/t 4-in well = 0.667 gal/t 6-in well = 1.469 gal/t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| B. PURGE DATA Date Purged: 10, April                                                                                        | _ Time: Equipment Model(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purge Method: Bailer, Size: UrBladder Pump 2 Sub. F                                                                         | Pump 1 4 Sub Pump 1 15 556 MPS - Shall Call                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Materials: Pump/Bailer Delyethylene Stainless DPVC Taflong                                                                  | □ Other 2. DRT-150E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| U Dedicated U Prepared Off-Site TField-Cle                                                                                  | aned Disposable 3 DED 4P50 / 1" P.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dedicated Departed Off-Site Difield-Clean                                                                                   | ed TOIsposable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Volume to Purge (minimum): well volumes or                                                                                  | gallons 4. 2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Was well purged dry? U Yes U No Pumping Rate:                                                                               | gal/min Calibrated? "I No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Time Removed $2.4 \text{ m}$ $3 \text{ per } > 0 \pm 3\% \text{ or } > 0 \pm 10\% \text{ or }$                              | DO Turbidity<br>b of ±10% or Water Level Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| (gal) ±0.1 su ±2°C ±10 µS/cm ±20 mV                                                                                         | ±0.2 mg/L ≤ 10 NTU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 927 Sam                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 140 YSI Full 6.65 20.44 0.132 -115.8                                                                                        | 2.07 - 17.77                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 950 -0.2 353 42.29 0.416 -13.2                                                                                              | 1.41 224 17.74 Claude 104                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 87000 0.4 3.14 19.21 0.214 -77.4                                                                                            | 1.13 377 1778 /"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 210 0.16 7.37 19.81 0.152 -424                                                                                              | 1.72 321 17.78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                             | Purce data continued on part sheet?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SAMPLING DATA                                                                                                               | Geochemical Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Method(s):<br>Gentrifugal Pump L Peristatic Pump C 2° Sub. Pum<br>Centrifugal Pump L Peristatic Pump C Institut Litt Pump L | p (1) 4" Sub. Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Materials: Pump/Bailer Ü Polyethylene @ Stainless D PVC D Teffor@ D                                                         | Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Dedicated Drepared Off-Site TField-Cleane                                                                                   | d Disposable DO: mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Dedicated Drepared Off-Site Difield-Cleaned                                                                                 | ☐ Other Nitrate: mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Depth to Water at Time of Sampling: Field Filtered?                                                                         | Yes Y No     Sulfate: _/ mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sample ID: Sample Date: Sample Time: 1145                                                                                   | # of Containers: Alkalinity: / mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Duplicate Sample Collected?  Yes Y No ID:                                                                                   | # of Containers:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| -quipment Blank Collected? □ Yes ℃ No ID:                                                                                   | # of Containers:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| COMMENTS Inne ~ 100'                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Include comments such as well condition, odor, presence of NAPL, or other items no                                          | t on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                             | Alle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



WELL ID: 1111.39 2001

| 3. PUF               | RGE DATA                | (contir | nued froi    | n page <u> </u>          | )                       |                            |               |            |                 |
|----------------------|-------------------------|---------|--------------|--------------------------|-------------------------|----------------------------|---------------|------------|-----------------|
| Time                 | Cum, Gallons<br>Bemoved | рН ,    | Feanp        | Spec. Cond.              | ORP                     | DO                         | Furbidity     | Water Leve | 1 Comments      |
|                      | (gai)                   | ±0.1 su | <u>⊧</u> 2 C | > 07 £3% 0r<br>£10 µS/cm | > of ±10% of<br>±20 inV | = > of ±10% o<br>t0.2 mg/L | or i ≤ 10 NTU | Water Leve | Comments        |
| 1020                 | 0.3                     | 7.14    | 19.67        | 0.123                    | -15.0                   | 239                        | 17.79 =       | + 26.3     | (lea            |
| 1030                 | 1.0                     | 7.14    | 19.83        | 0.115                    | 0.7                     | 2.80                       | 17.80 =       | - 10.1     | 4 <b>7</b>      |
| 1040                 | 1.1                     | 7.13    | 19.83        | 0.111                    | 10.2                    | 293                        | 16.3          | 17.31      | 71              |
| 1050                 | 1.2                     | 7.14    | 30.05        | 0.11                     | 20.1                    | 3.01                       | 7.72          | 17.31      | 11              |
| 1100                 | 1.3                     | 7.14    | 10:30        | 0.111                    | 124                     | 3.00                       | 6.51          | 17.82      | 11              |
| 1110                 | 1,4                     | 7.15    | 20.65        | 10.112                   | 31.2                    | 3.00                       | 16.0\$        | 17.82      | 11              |
| 1120                 | 5                       | 7.16    | 20.90        | 0.112                    | 36.0                    | 3.00                       | 35.9.4        | 17.83      | Tochoke Charles |
| 11:0                 | 1.6                     | 7.16    | 21.10        | 0.113                    | 40.1                    | 2.93                       | 21.5          | 17.83      | 0/4/            |
| 1140                 | 1.7                     | 7.17    | 21.32        | 0.114                    | 31.6                    | 2.89                       | 14.8          | 17.81      |                 |
| Samond               | 0145                    |         |              |                          |                         |                            | 8<br>1        |            |                 |
|                      |                         |         |              |                          |                         | I.                         |               |            |                 |
|                      |                         |         |              |                          |                         |                            |               |            |                 |
|                      |                         |         |              |                          | ****                    |                            |               | 1          |                 |
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| 1 al                 |                         | 4       |              |                          |                         |                            |               | 2          |                 |
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| - 19                 |                         |         | 12           |                          |                         |                            | 1             | 2          |                 |
| _                    |                         |         |              |                          | 4 80 von 80.4.4.v       |                            |               |            |                 |
| ALL I                | 1                       |         |              |                          |                         |                            |               |            |                 |
|                      | i                       | ĩ       | -1           |                          |                         |                            | 1             |            |                 |
| 2                    |                         |         |              |                          |                         |                            |               | - L. [,    |                 |
|                      |                         |         |              |                          |                         |                            |               |            |                 |
| (a -> <sup>2</sup> - |                         |         |              |                          |                         | 1                          |               | -          |                 |
|                      |                         |         | 1            |                          |                         |                            |               |            |                 |
| FI                   |                         |         |              |                          |                         |                            |               |            |                 |
|                      |                         |         |              | į                        | Ĩ                       |                            |               | 1          |                 |
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|                      |                         | 1       | 1            |                          | 1                       | 1                          |               | 1          |                 |

diffic



WELL ID: MU-39 Pore 2

| 1. PROJECT INFORMATION                                                                         |                                                                                                  |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Project Number: Task Number:                                                                   | Area of Concern;                                                                                 |
| Client: Churs Camp                                                                             | Personnel: UBN                                                                                   |
| Project Location: Anderso, 5C                                                                  | Weather: ~ 90F Clear                                                                             |
| 2. WELL DATA Date Measured: 1/1                                                                |                                                                                                  |
| Casing Diameter:inches Type: @Pvc                                                              | Stainless Gafv. Steel Gafv. Steel Official Other:                                                |
| Screen Diameter:inches Type: JPVC                                                              | Stainless Galv. Steet Greflon Other:                                                             |
| Total Depth of Well: 215 feet From: 12 Top o                                                   | f Well Casing (TOC)                                                                              |
| Depth to Static Water: 29.23 feet From: 1 Top o                                                | f Well Casing (TOC)                                                                              |
| Depth to Product:feet From: U Top o                                                            | f Well Casing (TOC)                                                                              |
| Length of Water Column:feet Well Volume:                                                       | gal Screened Interval (from GS): / 195-215                                                       |
|                                                                                                | .041 gal/ft 2-in well = 0.167 gal/ft 1-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft           |
| 3. PURGE DATA Date Purged: [0.19]                                                              | Time: Equipment Model(s)                                                                         |
| Purge Method: Centrifugal Pump L Peristaltic Pump L Inertia                                    | 1 Lift Pump 1 Other: 1. <u>SI 556 MPS- Soll Cor</u>                                              |
| Materials: Pump/Bailer Dedicated Depared Off-Site                                              | Jellon® □ Other:22222222222222222222222222222222222222222222222222222222222222222222222222222222 |
| Materials: Rope/Tubing Polyethylene Delypropylene DTell                                        | on sin Nylon Olher: 3. <u>CEViMPSO/1" Pry</u>                                                    |
| Volume to Purge (minimum): well volumes or                                                     | salloss                                                                                          |
| Was well purged dry?                                                                           | ganons<br>gal/min Calibrated? II Yes I No                                                        |
| Cum. Gallons pH Temp Spec. Cond. (                                                             | ORP DO Turbidity !                                                                               |
| Time Removed<br>(gal) ±0.1 su ±2°C > of ±3% or > o<br>±10 µS/cm                                | f ±10% or > of ±10% or<br>20 mV ±0.2 mg/l $\leq$ 10 NTU Water Level Comments                     |
| 1358 Start                                                                                     |                                                                                                  |
| 1408 YSI F-11 7.28 27.41 0.664 1-7                                                             | 3.6 4.48 - 76.38 (1                                                                              |
| 1415 -0.2 7.30 24.83 0.344 -7                                                                  | 33.1 1.78 300 72/2                                                                               |
| 1425 0.4 7.32 24.60 0.643 -8                                                                   | 3.6 139 30.5 1991                                                                                |
| 1435 0.6 7.33 14.89 0.642 -8                                                                   | 3.2 103 201 21 21                                                                                |
|                                                                                                |                                                                                                  |
| 4. SAMPLING DATA                                                                               |                                                                                                  |
| Method(s):                                                                                     | Sub. Pump 4* Sub. Pump                                                                           |
| Materials: Pump/Bailer @ Polyethylene @ Stainless @ PVC @ Te                                   | flor@ Other:                                                                                     |
| Dedicated Departed Off-Site                                                                    | eld-Cleaned Disposable DO:mg/L                                                                   |
| Materials: Tubing/Rope Polyelhylene Polypropylene Tetloni<br>Dedicated Prepared Off-Site Field | Per Nylon D Other: Nitrate: mg/L                                                                 |
| Depth to Water at Time of Sampling:Field                                                       | Filtered? I Yes I No Sulfate: mg/L                                                               |
| Sample ID: Sample Date: Sample Time:                                                           | 1525 # of Containers: 2 Alkalinity: mg/L                                                         |
| Duplicate Sample Collected? Yes Y No ID:                                                       | # of Containers:                                                                                 |
| Equipment Blank Collected? I Yes I No ID: E3-05101                                             | # of Containers: 2                                                                               |
| 5. COMMENTS                                                                                    |                                                                                                  |
|                                                                                                |                                                                                                  |
|                                                                                                |                                                                                                  |
| lote: Include comments such as well condition, odor, presence of NAPL, or oth                  | er items not on the field data sheet.                                                            |
|                                                                                                | -1:11                                                                                            |



WELL ID://12-39 Zone 2

| 3. PUF  | RGE DATA     | (contir | nued fro | m page 🔟                 | )                     |                              |              |             |          |
|---------|--------------|---------|----------|--------------------------|-----------------------|------------------------------|--------------|-------------|----------|
| Firme   | Cum. Gallons | рН      | С Гозпр  | Spec. Cond.              | URP                   | DO                           | Furbidity    |             |          |
| rime    | (gal)        | ±0.1 su | ±2 C     | ⇒ of ±3% or<br>⊧10 µS/cm | > of ±10% c<br>±20 mV | or' > of ±10% o<br>±0.2 mg/L | or '≤ 10 NTU | Water Level | Comments |
| 1445    | 0.8          | 735     | 24.85    | 0.641                    | -88.1                 | 0.81                         | 30.7         | 32.60       |          |
| 1455    | 1.0          | 7.34    | 24,93    | 0.640                    | - 70.3                | 0.72                         | 31.2         | 35.31       |          |
| 1509    | 1.2          | 7.34    | 25.49    | 0.642                    | - 89.0                | 0.63                         | 50.6         | 37.84       |          |
| 1515    | 1.4          | 7.34    | 25.62    | 0.641                    | -70.6                 | 0.61                         | 31.1         | 59.78       | <u>ت</u> |
| 1525    | Sardel       | ļ       |          |                          | 1                     | 1                            | -            | 1 1         |          |
| 1535    | V            | 1       |          |                          |                       |                              |              |             |          |
| 1545    |              |         | -        |                          |                       |                              |              |             |          |
| 1555    |              |         |          |                          |                       |                              |              |             |          |
| 1605    |              |         |          |                          |                       |                              | 1            |             |          |
|         |              |         |          |                          |                       |                              |              |             |          |
|         | -            |         |          |                          |                       | 0                            |              |             |          |
|         |              |         |          |                          |                       |                              |              |             |          |
|         |              |         |          |                          |                       |                              |              | 1           |          |
|         |              |         |          | t)                       |                       |                              |              |             |          |
| *:<br>• |              |         |          | •                        |                       |                              |              |             |          |
| \$      |              | 2 1     |          | 3                        |                       |                              |              |             |          |
| ; = = } |              |         |          |                          |                       |                              |              |             |          |
|         |              |         |          | 1                        |                       |                              |              |             |          |
|         |              | İ       | i        |                          |                       |                              |              |             |          |
|         |              |         |          |                          |                       |                              | 1            | 1           |          |
| ĺ       |              | İ ·     |          |                          |                       |                              | 1            |             |          |
|         | 1            | - [     | ;        |                          |                       |                              |              | i i         |          |
|         |              |         |          |                          |                       |                              |              |             |          |
| 1       |              |         |          | 1.1                      | 2                     |                              | 1            |             |          |
|         |              | i       |          |                          | ļ                     | ***                          |              |             |          |
|         |              |         | i        | l                        |                       |                              |              | 0           |          |
| 1       |              |         |          |                          |                       | 1                            |              | ł           |          |
|         |              | 1.      | 1        | 1                        |                       |                              | 1            |             |          |

Purge data continued on next sheet?

11m Sichature

1



| 1. PR            | OJECT I              | NFORM                           | ATION         | 1                                  |                                        |                                 |                                 |                                      |                                                      |
|------------------|----------------------|---------------------------------|---------------|------------------------------------|----------------------------------------|---------------------------------|---------------------------------|--------------------------------------|------------------------------------------------------|
| Proje            | ect Number:          |                                 | Task I        | Number:                            | •                                      | Area of                         | Concern                         |                                      |                                                      |
| Clierr           | t: Cirus             | Comin                           |               |                                    |                                        | Person                          | nel: 121                        | N.                                   |                                                      |
| Proje            | ct Location:         | Ardeseu                         | ,50           |                                    |                                        | Weathe                          | r: - TOF                        | Find (1                              | 1.                                                   |
| 2. WE            | LL DATA              |                                 | /<br>Date     | Measuro                            | 4. 4. 11                               |                                 |                                 |                                      |                                                      |
| Casin            | a Diameter           |                                 | inches        | Type                               | VOVC USH                               | I me:                           |                                 | 1                                    | emporary Well: ຟັYes ຟໂດ                             |
| Scree            | n Diameter           | <br>l                           | inches        | Type:                              |                                        | niess 🛛 Galv.                   | Steel U Toff                    | on 🖲 🖸 Other:                        |                                                      |
| Total            | Depth of Well        | . 300                           | feet          | From                               |                                        | niess Li Galv.                  | Steel U Teff                    | on 이 이 이 Other:                      |                                                      |
| Depth            | to Static Wa         | ter: 37.4                       | feet          | From                               |                                        | asing (TOC)                     |                                 | tective Casing                       | 그 Other:                                             |
| Depth            | to Product:          |                                 | feet          | From: 0                            |                                        | asing (TOC)                     | C Top of Pro                    | tective Casing                       | U Other:                                             |
| Length           | n of Water Co        | lumn:                           | leet          | Well Vol                           |                                        | asing (100)                     |                                 | tective Casing                       | Ü Other:                                             |
| (                |                      |                                 |               | Note: 1-in                         | well = 0.041 gal                       | gai<br>//tgai<br>//tgai         | Screen<br>1 <i>، 167 gal/ft</i> | ed Interval (fro<br>-in well = 0.667 | $\operatorname{S}(t) = \frac{230 - 300}{6 + 1 + 50}$ |
| 3. PUF           | RGE DAT              | A                               | Date F        | Purged: //                         | 19.011                                 | Time:                           |                                 |                                      |                                                      |
| Purge            | Method:              | Bailer, Size:<br>Centrifugal Pu |               | Bladder F                          | unip Li 2" Sub                         | . Pump 🛄 4"                     | Sub. Pump                       |                                      | ST The con DRT                                       |
| Materia          | als: Pumo/Bai        | ier Ü Polye                     | thylene d     | Stainless U P                      | VC D Tefloria                          | mpul Other:_                    |                                 |                                      | Used m. 107                                          |
| Mataria          |                      |                                 | ated 🛄        | Prepared Off                       | Site Field-C                           | leaned                          | sposable                        | 2.                                   | DED HA G /11                                         |
| wateria          | ais: Hope/ lub       | ing L Dedic                     | ated UP       | epared Off-Sit                     | e Di Field-Clea                        | Nylon 🖾 Othe<br>med 🗳 Disp      | er:<br>osable                   | 3. (                                 | XEV MF-30 PF                                         |
| Volume           | e to Purge (mi       | nimum):                         | well          | l volumes or                       | <u> </u>                               | gallons                         |                                 | 4                                    | NR - 13 CLa                                          |
| Was we           | ell purged dry       | ? 🛄 Yos                         | U No          | Pumping                            | Rate:                                  | gal/min                         | 14                              |                                      | Calibrated? 🗗 Yes 🗆 No                               |
| Time             | Removed<br>(gal)     | ±0.1 su                         | t2'C          | Spec. Cor<br>→ of ±3%<br>±10 µS/cr | nd. ORP<br>or > of ±10% on<br>n ±20 mV | DO<br>pr > of ±10%<br>±0.2 ma/L | or<br>≤ 10 NT                   | Water Leve                           | el Comments                                          |
| 0250             | Spor                 | 1                               |               |                                    |                                        |                                 | !                               | 34.15                                |                                                      |
| 2355             | 15If-11              | 7.27                            | 13,18         | 0.144                              | -155.7                                 | 3.04                            |                                 | 3758                                 | Clea                                                 |
| 270.             | 0.1                  | 6.10                            | 17.52         | 0.144                              | -147.8                                 | 0.80                            | 14.57                           | 42.51                                | , ,,                                                 |
| المحاصا          | 0.2                  | 6.11                            | 17.52         | 0.143                              | -163.6                                 | 0.63                            | 1.08                            | 47.77                                | 14                                                   |
| <sup>25</sup> من | 0.3                  | 7.09                            | 17.51         | 0.142                              | 1-174.7                                | 0.57                            | 12.21                           | 51.08                                | 11                                                   |
|                  |                      | 1.1                             | -             |                                    | <u> </u>                               |                                 | 97 9 C                          | Purge dat                            | a coptinued on part charu?                           |
| . SAMP           | PLING DA             | TA                              |               |                                    |                                        |                                 |                                 | Geod                                 |                                                      |
| Method(s         | i): 🗘 Bai<br>Ū Centi | ler, Size:<br>rifugal Pump      | U Peristalti  | Bladder Pum                        | p 🖸 2" Sub. Pu                         | mp [] 4" Sub                    | . Pump                          | -                                    | iemical Analyses                                     |
| Materials:       | : Pump/Bailer        | Polyethyl                       | ene 🛛 Stair   | nless 🖸 PVC                        | C Teflon® C                            | Other:                          |                                 | Ferrol                               | is Iron:/mg/L                                        |
| Matariala        | TubianiBaa           | U Dedicate                      | d 🗋 Pre       | pared Off-Site                     | G Field-Clean                          | ed 🖸 Dispos                     | able                            | DO:                                  | mg/L                                                 |
| -                | - полнулноре         |                                 | i Ü Prepai    | red Off-Site                       | i etion® 🕒 Nylo                        | Disposab                        | le                              | Nitrate                              | : mg/L                                               |
| Depth to V       | Nater at Time        | of Samplin                      | g:            |                                    | Field Filtered                         | ? 🛛 Yes 🖸                       | No                              | Sulfate                              | :/ mg/L                                              |
| Sample ID        | ):                   | Sample Dat                      | e!            | Sample 1                           | Time: 10 00                            | # of Contain                    | ners: 2                         | Alkalini                             | ty:/ ma/L                                            |
| Fauirment        | Sample Colle         | cted? I Ye                      | s 11 No       | ID:                                |                                        | # of Contair                    | ners:                           |                                      | · · ·                                                |
| i=quipment       | i biank Collec       | ted? 🖾 Ye                       | es 년 No       | ID:                                |                                        | # of Contair                    | iers:                           | ·                                    |                                                      |
| COMM             | ENTS 1               | Nine                            | 2 ~           | -1                                 |                                        |                                 |                                 |                                      |                                                      |
| <u> </u>         |                      |                                 |               |                                    | 19 p. 1                                |                                 |                                 |                                      |                                                      |
|                  |                      |                                 |               |                                    |                                        |                                 |                                 |                                      |                                                      |
| e: include con   | mments such as       | well condition                  | n, odor, pres | ence of NAPL                       | or other itoms a                       | at an the field of              | ala abaat                       |                                      |                                                      |

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WELL ID: 111-39 2-3

| <b>Fime</b> | Bernoved<br>(gal) | e0.1 su | ±2 C  | • of ±3% or<br>±10 µS/cm | r > of ±10% o<br>±20 mV | טט<br>or:> of ±10% o<br>±0.2 mg/L | Furbidity<br><sup>r</sup> ≤ 10 NTU | Water Level | Comments |
|-------------|-------------------|---------|-------|--------------------------|-------------------------|-----------------------------------|------------------------------------|-------------|----------|
| 055         | 0.4               | 7.15    | 17.52 | 0.142                    | -132.4                  | 0.51                              | 2.21                               | 54.21       |          |
| 1945        | 0.5               | 7.18    | 17.54 | 5.141                    | -185.8                  | 0.47                              | 2.41                               | 57.88       |          |
| 858         | ð.1,              | 1.20    | 17:15 | 0.142                    | -189.1                  | 0.44                              | 2.70                               | 63.74       | <u> </u> |
| for         | Sand              | 2       | 000   | ļ                        |                         |                                   | 1                                  |             |          |
| <u> </u>    |                   |         |       |                          | 1                       |                                   |                                    |             |          |
| +25         |                   | i       |       | l                        |                         | 1                                 | 1                                  | 1           |          |
| 225         |                   |         |       |                          | · ·                     |                                   | 1                                  |             |          |
| gits-       |                   |         |       |                          |                         |                                   |                                    | 2 m         | <u> </u> |
| 758         |                   |         |       |                          |                         | ·                                 |                                    |             |          |
| 1           |                   | 90 - j. |       |                          |                         |                                   |                                    |             |          |
| 1           |                   |         |       |                          |                         |                                   | 4                                  |             |          |
| 1           |                   |         |       |                          |                         |                                   |                                    |             |          |
|             |                   | - 1     |       |                          |                         |                                   |                                    |             |          |
|             |                   |         |       |                          |                         |                                   |                                    |             |          |
|             |                   |         |       |                          |                         |                                   |                                    |             |          |
|             |                   |         |       | -                        |                         |                                   |                                    | ļ           |          |
|             |                   |         |       |                          |                         |                                   |                                    |             | - 5      |
| 1           |                   | 1       |       | 1                        |                         |                                   |                                    |             |          |
| 1           |                   |         |       |                          |                         |                                   |                                    | l .         |          |
|             | 1                 | İ       | 1     |                          |                         |                                   | i                                  | 1           |          |
|             |                   |         |       |                          |                         | 2 10 10                           |                                    |             | ·        |
|             |                   |         |       |                          |                         |                                   | 12                                 |             |          |
| ļ           |                   |         |       |                          |                         | 1                                 |                                    |             |          |
|             |                   |         |       |                          |                         |                                   |                                    |             |          |
|             | i                 | 1       |       |                          |                         |                                   | 1                                  |             |          |
| 1           |                   |         | 1     |                          |                         | i                                 |                                    |             |          |
| 1           |                   |         |       | I.                       | 1                       |                                   |                                    |             |          |
| i i         | 1                 | -       | 1     |                          |                         |                                   |                                    |             |          |

Sionatura



WELL ID: 112-41 7. 2012 1

| 1. PROJECT INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Project Number: Task Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Area of Concern                                                              |
| Client: Wens Coming                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Personnel: 35                                                                |
| Project Location: Mdyson SL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Weather: Durly Cloudy & 'sport-                                              |
| 2. WELL DATA Date Measured: 5.1.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Time: Alala                                                                  |
| Casing Diameter:inches Type: GPVC II Stainles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | S Galy Steel 1 Tellogra 1 Other                                              |
| Screen Diameter:inches Type: UStainles:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                              |
| Total Depth of Well: 32 feet From: YTop of Well Casin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | g (TOC)                                                                      |
| Depth to Static Water: 1 / feet From: A Top of Well Casin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | g (TOC) I Top of Protective Casing Other                                     |
| Depth to Product:feet From: Depth to Product:feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | g (TOC)                                                                      |
| Length of Water Column: 25.39 feet Well Volume: 1.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | _ gal Screened Interval (from GS):                                           |
| Note: 1-in well = 0.0-11 galitt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2-in well = 0.167 gal/ft -1-in well = 0.667 gal/ft -6-in well = 1.169 gal/ft |
| S. FUNGE DATA Date Purged: <u>5.///</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Time: 0853 Equipment Model(s)                                                |
| Purge Method:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | mp □ 4* Sub. Pump 1. <u>MP-10</u>                                            |
| Materials: Pump/Bailer Polyethylene VStainless PVC Tetlon® Dedicated Prepared Off-Site Pfield-Clean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Other 2. 3ladder Jump                                                        |
| Materials: Rope/Tubing Polyethylene Delypropylene Tellon® Nylo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | on () Other: 3. <u>172/m</u>                                                 |
| Volume to Purge (minimum); well volumes or 3.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4. 151-556                                                                   |
| Was well purged dry?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | allons DRT - JCC<br>gal/min Calibrated? JYes J No                            |
| Cum. Gallons pH Temp Spec. Cond. ORP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DO Turbidity                                                                 |
| (gal) ±0.1 su ±2°C > of ±3% or > of ±10% or ><br>±10 uS/cm ±20 m/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | of ±10% or Water Level Comments                                              |
| 0103 0.05 7.44 19.71 0.335 12 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3.01 14.10 (                                                                 |
| 0113 0.07 7.51 1948 0304 132 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 77 1 m 16 7-1                                                                |
| 0423 010 751 1906 0242 1221                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | .)+ 1.54 9.42                                                                |
| (937 017 751 1646 001 1714                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | .61 1.76 6.72                                                                |
| Nove 0 15 750 19.19 0.291 151.9 0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 51 1.50 6.72                                                                 |
| 0.15 7.51 18.38 0.240 131.0 0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 43 1.47 6.72                                                                 |
| 4 SAMPLING DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Purge data continued on next sheet?                                          |
| Method(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Geochemical Analyses                                                         |
| Centrifugal Pump Deristaltic Pump Dinertial Lift Pump D O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ther: mg/L                                                                   |
| Materials: Pump/Bailer Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisitiviene Devisit | DO:mg/L                                                                      |
| Materials: Tubing/Rope Provide Dedicated Prepared Off-Site District Classed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Other: Nitrate:mg/L                                                          |
| Depth to Water at Time of Sampling: Field Filtered?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ves of No. Sulfate: mo/l                                                     |
| Sample ID: 11-12 Sample Date: 5-11-11 Sample Time: 1005 # 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | of Containers: 2 Alkalinity                                                  |
| Duplicate Sample Collected? Yes 2 No ID: #c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | of Containers:                                                               |
| Equipment Blank Collected?  Yes No ID: # c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | of Containers:)                                                              |
| 5. COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                              |
| Note: Include comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |
| with monore continients such as well condition, odor, presence of NAPL, or other items not on                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | the field data sheet.                                                        |

2



WELL ID: NN. 42 7 200 1 -11

| 3. PUR | <u>GE DATA</u> | (conti  | nued fro | m page _                              |                        |                            |             |                                        |                                               |
|--------|----------------|---------|----------|---------------------------------------|------------------------|----------------------------|-------------|----------------------------------------|-----------------------------------------------|
| Time   | Cum. Gallons   | pH      | Temp     | Spec. Cond                            | . ORP                  | 00                         | Furbidity   |                                        |                                               |
|        | (gal)          | ±0.1 su | ±2°C     | > of ±3% or<br>±10 µS/cm              | > of ±10% or<br>±20 mV | " > of ±10% (<br>±0.2 mg/L | or ≤ 10 NTU | Water Level                            | Comments                                      |
| 2953   | 0.25           | 7.51    | 11.70    | 0.210                                 | 130.5                  | 0,36                       | 1.36        | 6.72                                   |                                               |
| 1003   | 0.30           | 752     | 11.01    | 0.210                                 | 1.29.5                 | 2.35                       | 1.30        | 6.72                                   |                                               |
| 1905   | (-llest        | 10 30   | inde     | 1                                     | 1                      |                            |             | 1                                      | ····                                          |
|        |                | -       | ,        |                                       | -                      |                            | T           | 1                                      |                                               |
|        |                | 1       | 1        | 1                                     | £                      |                            | 1           |                                        |                                               |
|        |                |         | i        |                                       | i d                    |                            | 1           |                                        |                                               |
|        |                | 1       |          | 1                                     |                        | j.                         |             |                                        |                                               |
|        |                |         |          |                                       |                        |                            |             |                                        |                                               |
|        |                |         | <u> </u> |                                       |                        |                            |             | 1.                                     |                                               |
|        |                |         |          |                                       | i                      |                            | 1 1         |                                        |                                               |
|        |                | •       |          |                                       | 1                      |                            | Í           |                                        |                                               |
|        |                |         | 1        |                                       | 1                      | -                          |             |                                        |                                               |
|        | 1              | 1       |          |                                       | 1                      |                            |             |                                        |                                               |
| •      | <u>_</u>       | 1       | Ī        |                                       | 1                      |                            |             |                                        |                                               |
| -      | . !            | 1       | - in the |                                       | 1                      |                            |             | 1                                      | <u>.</u>                                      |
| ł      |                | 1       |          | i                                     |                        |                            | 1           |                                        |                                               |
|        |                | 1       |          | i                                     |                        |                            | 1           |                                        |                                               |
| 1      |                | i       | . 1      | · · · · · · · · · · · · · · · · · · · |                        |                            |             | i I                                    | <u>, , , , , , , , , , , , , , , , , , , </u> |
| 1      | 1              |         | i        |                                       |                        |                            | 1           | 1                                      |                                               |
| Ì      |                | 1       | 1        |                                       |                        |                            | 1           |                                        |                                               |
| 1      |                | 1       |          |                                       | 1                      |                            |             |                                        |                                               |
| 1      |                | i       | Ī        | 1                                     |                        |                            |             |                                        |                                               |
|        |                |         |          | 1                                     |                        |                            | i           |                                        |                                               |
|        | !<br>          | 1       | :        | <u>í</u>                              |                        | 1                          | 1           |                                        |                                               |
| 1      |                |         |          | 1                                     |                        |                            |             | 1                                      |                                               |
|        |                | 1       | 1        |                                       | 1                      | 1                          |             |                                        |                                               |
|        |                |         | 1        | 1                                     |                        | -                          |             | ······································ |                                               |
| 7      |                |         | *        | Ť                                     | 1                      | i                          |             | 4                                      |                                               |

Purge data continued on next sheet?

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WELL ID: Mw-4/ 2019 ?

| Projec<br>Client:<br>Project | t Number:                        |                           |                         |                                      |                                |                              |                             |                     |                          |
|------------------------------|----------------------------------|---------------------------|-------------------------|--------------------------------------|--------------------------------|------------------------------|-----------------------------|---------------------|--------------------------|
| Client:<br>Project           | Owere                            |                           | Lisk                    | Number:                              |                                | Area of                      | Concern                     |                     |                          |
| Project                      |                                  | Cora                      | hap                     |                                      |                                | Person                       | nel: <b>7</b> 5             |                     |                          |
| 12 WEI                       | t Location: A                    | ndes                      | - 30                    | <u> </u>                             |                                | Weathe                       | er: Sumy                    | 70-1=               |                          |
| 12. VVEL                     | LL DATA                          |                           | Date                    | Measured                             | :5 . 7.11                      | Time:                        | 4.00                        |                     |                          |
| Casing                       | g Diameter:                      |                           | _inches                 | مز :Type                             | 1 PVC LI Sta                   | anless U Galv.               | Steel C Teflon              | lempo<br>⊮®⊡ Other: | orary Well: UYes         |
| Screen                       | Diameter:                        | 1                         | _inches                 | Type: 🥳                              |                                | iinless 🗳 Galv.              | Steel 🗳 Teflon              | ම 🗇 Other:          |                          |
| Total D                      | epth of Well:                    | 121                       | feet                    | From: 4                              | Top of Well                    | Casing (TOC)                 | C Top of Prote              | ctive Casing ப C    | ther:                    |
| Depth te                     | to Static Wate                   | er:                       | feet                    | From: 🦌                              | Top of Well                    | Casing (TOC)                 | D Top of Prote              | ctive Casing 🗔 O    | ther:                    |
| Depth to                     | to Product:                      | <u> </u>                  | feet                    | From: 🖸                              | Top of Well                    | Casing (TOC)                 | D Top of Prote              | ctive Casing 📋 O    | ther:                    |
| Length                       | of Water Col                     | umn:                      | feet                    | Well Volu                            | ume:                           | gal                          | Screened                    | l Interval (from G  | S):                      |
|                              | GEDAT                            | Λ                         |                         | Note: t-in                           | well = 0.041 g:                | al/ft 2 in welt =            | 0.167 gat/ft 4-in           | welt = 0.667 gal/ft | 6-in wetl = 1.469 gal/ft |
| Puree M                      |                                  | <b>n</b><br>Bailer, Size: | Date                    | Purged:<br>U Bladder P               | -9.[]                          | Time: _                      | 1720                        |                     | Equipment Model(s)       |
| Fuige M                      |                                  | entrifugal Pi             | ump 🖵 Peri              | istaltic Pump                        | Inertial Lift Po               | ump 🖓 Other: 🎝               | Sub. Pump                   | <u>- 1/ 2</u>       | 1-556                    |
| Material                     | Is: Pump/Bail                    | er U Poly                 | elhylene 🗀<br>icated 🛛  | Stainless 🖾 PN                       | /C 🛛 Tellon<br>Site 🛄 Field-   | ® ©l Other:<br>Cleaned ⊔ □   | isnosabla                   | 2. 2                | 27-1515                  |
| Materials                    | s: Rope/Tubir                    | Poly                      | ethylene 🛄              | Polypropylene                        | 🖾 Tellon@ 🖸                    | Nylon Li Oth                 | er:                         | 3                   |                          |
| Volume                       | to Purge (mir                    | imum):                    | wel                     | ll volumes or                        | Field-Cle                      | aned Disp                    | osable                      | 4                   |                          |
| Was wel                      | ll purged dry?                   | U Yes                     | 3 UI No                 | Pumpina F                            |                                | galions                      |                             | C.                  |                          |
| Time                         | Cum. Gallons<br>Removed<br>(gal) | ±0.1 su                   | Temp                    | Spec. Com<br>> of ±3% c<br>±10 uS/cm | d.   ORP<br>or > of ±10%       | DO<br>or > of ±10%           | Turbidity<br>or<br>≤ 10 NTU | Water Level         | Comments                 |
| 722                          | 3.00                             | 7.98                      | 16.35                   | 0.276                                | -55 5                          | - 1.47                       | 0.07                        |                     |                          |
| 724                          | 6.00                             | 7.75                      | 14.52                   | 0.277                                | -19.2                          | 0.43                         | 0.06                        |                     |                          |
| 726                          | 9.00                             | 7.15                      | 16.53                   | 0.277                                | -4.2                           | 0.20                         | 0.05                        |                     |                          |
| 128 1                        | 12.00                            | 7.14                      | 16.5%                   | 0.27%                                | 5.6                            | 0.06                         | 0.01,                       |                     |                          |
| 730                          | Collect                          | 1 5                       | m 14                    | 1                                    | 1                              | 1                            | 1                           | 1                   | ,,,,,,,,,                |
|                              |                                  |                           |                         | <u></u>                              |                                | 1                            |                             | Purge data sea      |                          |
| SAMPI                        | LING DA                          | TA                        |                         |                                      |                                |                              |                             | Coost               | inued on next sneet?     |
| Method(s):                   | : Li Baile<br>Li Centri          | ər, Sizə:<br>fuqal Pump   | []                      | Bladder Pump                         | U 2" Sub. P                    | ump 🖸 4" Sub                 | . Pump                      |                     | cal Analyses             |
| Materials:                   | Pump/Bailer                      | Delyethy                  | /lene 🗳 Stai            | nless 🛛 PVC                          |                                | Other:                       | <u>Ff 54<sup>1</sup>24</u>  | Ferrous Iro         | n: mg/L                  |
|                              |                                  | Dedicate                  | ed 🖸 Pre                | epared Off-Site                      | G Field-Clea                   | ined Dispos                  | sable                       |                     | mg/L                     |
| materials: 1                 | Lubing/Hope                      | Dedicate                  | ene u Poly<br>d u Prepa | propylene                            | Təflon® 🗔 Ny<br>J Field-Cleane | lon □ Other:<br>d ⊃rDisposat | ole                         | Nitrate:            | \mg/L                    |
| Depth to W                   | ater at Time                     | of Samplin                | ng:                     |                                      | Field Filtered                 | d? 🖸 Yes (                   | No                          | Sulfate:            | mg/L                     |
| Sample ID;                   | <u>116-41 (</u>                  | Sample Da                 | ite: <u>5.7.</u>        | <u>//</u> Sample T                   | ime: 173.9                     | _ # of Contai                | ners:                       | Alkalinity:         | mg/l                     |
| Juplicate S                  | Sample Collec                    | ted?⊡ Ÿ                   | es ja No                | ID:                                  |                                | # of Contain                 | ners:                       | _                   |                          |
| quipment                     | Blank Collect                    | ed? 🗆 Y                   | es 🖌 No                 | ID:                                  |                                | # of Contair                 | iers:                       | _                   |                          |
|                              | ENTS                             |                           |                         |                                      |                                |                              |                             |                     |                          |
|                              | -                                |                           |                         |                                      |                                |                              |                             |                     |                          |

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WELL ID: Mis- 41 Zons 3

|                                                                                                                                                  |                       |                 | 21             |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------|----------------|--------------------------|
| Client: Curra & Caraire                                                                                                                          | Area of               | Concern:        |                | 8                        |
| Project Location: And 1/ 200 N/                                                                                                                  | Person                | nel: 51         |                |                          |
|                                                                                                                                                  | Weathe                | r. wany         | · ~ 75         | ·F                       |
| 2. WELL DATA Date Measured: 5.1.1                                                                                                                | Time:                 |                 |                |                          |
| Casing Diameter:inches Type: IPVC IS                                                                                                             | ainless 🛛 Galv.       | Steel           | nuð (1 Olher   | Temporary Well: UYes UNo |
| Screen Diameter:inches Type: UPVC USt                                                                                                            | aintess 🖾 Galv.       | Steel 🖸 Tello   | n® U Other     |                          |
| Total Depth of Well:feet From: Top of Well                                                                                                       | Casing (TOC)          | Top of Proi     | ective Casing  | Cither:                  |
| Depth to Static Water:                                                                                                                           | Casing (TOC)          | Top of Prot     | ective Casing  | C Other:                 |
| Length of Water of 199                                                                                                                           | Casing (TOC)          | Top of Prot     | ective Casing  | C Other:                 |
| Vola: Liouwing Column: CCC. feet Well Volume: L.C.                                                                                               | gai                   | Screene         | d Interval (fr | om GS)                   |
| 3. PURGE DATA Data Burgat C 11 - 11                                                                                                              | al/ft 2-in well = (   | 0.167 galift 4- | n well = 0.667 | gal/ft                   |
| Purge Method: Bailer, Size: Bladder Purge                                                                                                        | Time: 1               | 146             |                | Equipment Model(s)       |
| Centrilugal Pump U Peristaltic Pump U Inertial Lift Pr                                                                                           | ump Q Other: _        | Sub. Pump       | 1              | MP-12                    |
| U Prepared Olf-Site 2 Field-                                                                                                                     | Olher: Cleaned Li Dis | posable         | 2              | 151.556                  |
| Materials: Rope/Tubing                                                                                                                           | Nylon D Othe          | r:              | 3              | DET-IFLE                 |
| Volume to Purge (minimum): 7 well volumes or 3 (e. 54                                                                                            | Bispo                 | sable           | 4              | ten low                  |
| Was well purged dry? U Yes D No Pumping Rate:                                                                                                    | gallons               |                 |                | Calibrated?              |
| Cum. GallonspHTempSpec. Cond.ORPTimeRemoved<br>(gal) $\pm 0.1 \text{ su}$ $\pm 2^{\circ}C$ > of $\pm 3\%$ or<br>$\pm 10\%$ Scenee> of $\pm 10\%$ | DO<br>or > of ±10% c  | Turbidity       | Water Leve     | Comments                 |
| 1510 0.05 7.43 24.41 0.301 -:48.2                                                                                                                | 1.0%                  | 2.74            | 5 171          | <br> <br> <br>           |
| 200 0.10 7.43 24.37 0.248 -149.7                                                                                                                 | 10.82                 | 1.45            | 16.11          |                          |
| 216 0.15 7.43 34.66 0.300 1-150                                                                                                                  | 10.90                 | 12.01           | 9.110          |                          |
| 226 0.20 7.41 249 0.297 -1421                                                                                                                    | 0 12                  | 2.00            | 3.00           |                          |
| 236 0.25 732 22.21 2001 147                                                                                                                      | 0.13                  | 2.15            | 4.28           |                          |
| 1.14 20141 0. 2.19 -1.1.1.                                                                                                                       | 2.59                  | 2.13            | 1.581          |                          |
| SAMPLING DATA                                                                                                                                    |                       |                 | Purge data     | continued on next sheet? |
| Method(s):                                                                                                                                       |                       |                 | Geoch          | emical Analyses          |
| Centrifugal Pump D Peristattic Pump D Inertial Lift Pump                                                                                         | Other:                | -ump            | Ferrdu         | s Iron: ma/L             |
| Dedicated Prepared Olf-Site Pfield-Clear                                                                                                         | Other:                | ble             | DO:            | ing/l                    |
| Materials: Tubing/Rope Polyethylene Polypropylene Tellon® Nyk                                                                                    | on Other.             |                 | Nitrato        |                          |
| Depth to Water at Time of Sampling: Field Filtered                                                                                               |                       |                 | Cult 1         | mg/L                     |
| Sample ID: VW-11 Sample Date: 5-11.11 Sample Time: 132.                                                                                          | # of Contained        | NO 1            | Suitate:       | mg/L                     |
| Duplicate Sample Collected?  Yes Y No ID:                                                                                                        | # of Containe         | rs <sup>.</sup> | Alkalinity     | /: mg/L                  |
| quipment Blank Collected? U Yes T No ID:                                                                                                         | # of Containe         | rs:             | -              |                          |
| COMMENTS BANGULAR AL MAN                                                                                                                         |                       |                 | _              |                          |
| Longe Intal 2 1 123                                                                                                                              |                       |                 |                |                          |
|                                                                                                                                                  |                       |                 |                |                          |
| Include comments such as well                                                                                                                    |                       |                 |                |                          |



### WELL ID: MW-41 Zane 3

| <u>3. PUP</u> |                  | A (conti | nued fro | m page _   | <u> </u>                |                    | •         |             |                                       |
|---------------|------------------|----------|----------|------------|-------------------------|--------------------|-----------|-------------|---------------------------------------|
| <b>Fime</b>   | Removed<br>(aaf) | ε0.1-sι  | i ≞2 C   | > of ±3% o | na. ORP<br>or >of±10%,∢ | DO<br>%01±10 < `ro | Turbidity | Water Level | Comments                              |
| 12:16         | 0.30             | 7.41     | 24.57    | 10 µS/cm   | <u>1 ±20 mV</u>         | ±0.2 mg/L          | 10 NIU    | 127         |                                       |
| 125%          | 0.35             | 7.43     | 26.24    | 0.146      | -150.0                  | 0.16               | 16.58     | 2.15        |                                       |
| 1301.         | 0.40             | 7.43     | 25.2.4   | 3.291.     | -11.1                   | 0.60               | 11.95     | 2457        |                                       |
| 1716          | 0.45             | 741      | 24.43    | 6797       | -11.0 1                 | 0.52               | 14.02     | 2.67        |                                       |
| 1320          | Collens          |          | ca. 1    | (          | 1.90.1                  | 0.11               | 17.58     | 2.56        |                                       |
|               |                  | 1        | score    |            |                         |                    |           |             | ·                                     |
| C             |                  |          |          | 1          |                         |                    |           |             | · · · · · · · · · · · · · · · · · · · |
|               |                  |          |          |            |                         |                    |           |             |                                       |
|               |                  |          |          |            |                         |                    |           |             |                                       |
| i.            |                  |          |          |            |                         |                    |           |             |                                       |
|               |                  |          | -        |            |                         |                    |           |             |                                       |
|               |                  |          | •        |            |                         |                    |           |             | <u>, a .</u><br>A 2 10, 10            |
|               | -                |          |          |            |                         |                    |           |             |                                       |
| 1             |                  | н        |          |            | 1                       |                    |           |             |                                       |
|               |                  |          | i        |            |                         |                    |           | 18<br>      |                                       |
|               |                  |          | . 1      |            |                         |                    |           |             |                                       |
|               | -                |          |          |            |                         | ·                  |           |             |                                       |
| •             |                  |          |          | • • • •    |                         |                    | •         | •           |                                       |
| i i           |                  |          |          |            |                         |                    |           |             | و الأرائينية                          |
|               | <u>i</u>         |          |          |            |                         |                    |           |             |                                       |
| !             |                  |          | ł        |            |                         |                    |           | eet si in   |                                       |
| - 1           |                  |          |          | t.<br>I    |                         |                    |           |             |                                       |
| 1             |                  |          |          |            |                         |                    |           |             |                                       |
|               |                  |          |          |            |                         |                    |           |             |                                       |
|               |                  |          | i P      |            |                         |                    |           |             |                                       |
| <u> ( )</u>   | 1                | 1        | -!       |            |                         |                    |           |             |                                       |
| -             |                  |          | 7-13     |            |                         |                    |           |             |                                       |
| - 1           |                  | 1        | 2.1.1    |            |                         | I                  |           |             |                                       |

Purge data continued on next sheet?

Sinnatura



WELL ID: 11. 12 2001

| 1. PF      | ROJECT                   | NFORM          | ATION                      |                                    |                               |                           |                 |                   |                     |                   |
|------------|--------------------------|----------------|----------------------------|------------------------------------|-------------------------------|---------------------------|-----------------|-------------------|---------------------|-------------------|
| Proj       | ect Number:              |                | Fask M                     | lumber:                            |                               | Area                      | Concorre        |                   |                     |                   |
| Clie       | nt: Orene                | Comby .        | -11-2                      | Purely S.                          | moles                         | Porcon                    |                 |                   |                     |                   |
| Proj       | ect Location: /          | 1: dean,       | Sel                        |                                    |                               | Weathc                    | - 30-F          | <u>(1.</u>        |                     |                   |
| 2. W       |                          |                | Data                       | A                                  |                               |                           | : <u>.</u> ₩.(  |                   |                     |                   |
| Chai       |                          | <b>`</b>       | Dale                       | weasured:                          | 7.1º1. y. 1                   | Time:                     | Х.              | r                 | emporary We         | II: UYes Undo     |
| Scro       | ng Diameter:             | <br>1          | inches                     | Type: 1                            | PVC 10 Sta                    | inless 🗳 Galv.            | Sleel 🖵 Teflo   | unuð 🖵 Olher:     |                     | _                 |
| Total      | Dooth of M/-             | 179            | inches                     | rype: ut                           | PVC 🛛 Stai                    | inless 🛄 Galv.            | Steel 🖾 Taflo   | n® 🛛 Other:       |                     | _                 |
| Dent       |                          |                | feet                       | From: 3                            | Top of Well (                 | Casing (TOC)              | 1 Top of Prot   | ective Casing     | Other:              |                   |
| Dept       | h to Braduat             | er:            | feet                       | From: 🗹                            | Top of Well C                 | asing (TOC)               | Top of Prot     | ective Casing     | C Olher:            |                   |
| Long       |                          |                | feet                       | From: C                            | Top of Well C                 | Casing (TOC)              | Top of Prot     | ective Casing     | Other:              |                   |
| Leng       | in or water Co.          | lumn:          | feet                       | Well Volu<br>Note: 1-in w          | me:                           | gal                       | Screene         | d Interval (fro   | m GS): <u>//4</u> - | -122              |
| 3. PUI     | RGE DAT                  | Δ              | Data 6                     |                                    | M . /1                        | Vit 2-in well =           | 0.167 gai/ft 4- | in well = 0.667 g | gal/ft 6-in we      | ll = 1.469 gal/ft |
| Purae      | Method:                  | Bailer, Size:  |                            | Urgeo: <u>11-0</u><br>UrBladder Pu | mo [] 2' Sut                  | Time: _                   | <u></u>         | · '.              |                     | nent Model(s)     |
|            |                          | entrifugal Pu  | mp U Peris                 | taltic Pump                        | Inertial Lift Pu              | mp Q Olher:               | SUD. Pump       | _ i. <u>f</u>     | 54 556,             | 4PS - Sull (      |
| Mater      | ials: Pump/Bail          | ler 🛄 Polye    | ated 🛛                     | Stainless 🗔 PV<br>Prepared Off-S   | C I Tefloria                  | ) Li Other:               | Sposable        | 2. [              | RT-ISC              | C                 |
| Materi     | ials: Rope/Tubi          | ng E Polye     | thylene C P                | olypropylene                       | Tellon® 3                     | Nylon U Olhe              | er:             | 3. 5              | Sollar 1            | 102               |
| Volum      | e to Purce (mi           | nimum).        |                            | pared Off-Site                     | C Field-Clea                  | aned Gr Disp              | osable          | 4.0               | RED MI              | aso /1"           |
| Was w      | /ell purged drv?         | ? 🛛 Yes        | LI No                      | Pumping P                          | ato:                          | _ gallons                 |                 |                   |                     |                   |
|            | Cum. Gallon:             | s pH           | Temp                       | Spec. Cond                         |                               | gal/min                   | 1.7.1.1.0       |                   | Calibrated?         | Yes I No          |
| Time       | Removed<br>(gal)         | ⊧0.1 su        | ±2°C                       | > of ±3% or<br>±10 µS/cm           | > of ±10%<br>±20 mV           | or > of ±10%<br>±0.2 mg/L | or ≤ 10 NTU     | Water Leve        | l Co                | omments           |
| -18        | Star                     |                |                            |                                    | !                             | 1                         |                 | ne                |                     |                   |
| 230        | YSI Full                 | 7.45           | 24.64                      | 0.106                              | -172 1                        | 451                       |                 | 11 10             | <u>i</u>            | EC.               |
| 140        | 111                      | 10.00          | -1117                      | A 24(2                             | 0101                          | 1 1.00                    |                 | 37.79             | Charly              | Gray              |
| 10         | 0.1                      | 10.06          | 1.97                       | 0.210                              | -212.1                        | 2.45                      | 8.41            | 38.05             | Clarky              | 1.cy              |
| 30         | 0.4                      | 0,71           | 12,02                      | 0.335                              | - 70.5                        | 2.40                      | 36.3            | 38.06             | 11 *                |                   |
|            | 0.5                      | 10.7           | 21,30                      | 3.321                              | -164.9                        | 2.19                      | 39.4            | 30.05             | 11                  |                   |
| 3          | 511                      |                |                            | <u>у</u> и                         |                               |                           |                 | Purce data        | continued on        |                   |
| SAMF       | PLING DA                 | TA             |                            |                                    | П. Е. с.,                     |                           |                 | Casab             |                     |                   |
| fethod(s   | s): 🛛 🖾 Bail<br>🖾 Centri | er, Size:      |                            | ,<br>Bladder Pump<br>Pump, Chined  | C 2º Sub. Pu                  | mp 🗖 4" Sub.              | Pump            | Geoch             | emical Analy        | /ses              |
| laterials  | : Pump/Bailer            | Polyethyle     | ene 🗹 Stain                |                                    | Teilon® ("                    | Other: _/.*               | 2               | Ferrous           | s Iron:             | mg/L              |
|            |                          | Dedicated      | 1 Cl Prep                  | ared Off-Site                      | Field-Clean                   | ed Dispos                 | able            | DO:               |                     | ∠ mg/L            |
| aterials   | : rubing/Rope            | Dedicated      | rne 🖵 Polyp<br>I 🖸 Prepare | ropylene 🖬 Te<br>ed Off-Site 🔲     | flon® 🗹 Nylo<br>Field-Cleaned | Disposah                  | le              | Nitrate:          |                     | mg/L              |
| epth to    | Water at Time            | of Sampling    | g:                         | F                                  | ield Filtered                 | ? 🖸 Yes 🖞                 | No              | Sulfate:          |                     | ma/t              |
| ample IC   | );§                      | Sample Date    | e:7.//                     | _ Sample Tin                       | ne:                           | # of Contair              | ners:           | Alkalinit         |                     |                   |
| uplicate   | Sample Collec            | ted? 🗅 Ye      | s 🗆 No                     | ID:                                | w. e <sup>14</sup> e          | # of Contain              | ers:            | /                 | y                   | mg/L              |
| quipmen    | t Blank Collect          | ed? 🗹 Ye       | s 🛛 No                     | 10: <u>23-0</u>                    | <u>S    </u>                  | # of Contain              | ers: Z          |                   |                     |                   |
| OMM        | IENTS &                  | 3-65110        | 13 2 3 80                  | this incom                         | 20                            | .).                       |                 |                   |                     |                   |
|            |                          | <u> ((()</u>   | <u> 11 - 1 01</u>          | 121 12-10                          | oft                           | or jog                    |                 |                   |                     |                   |
|            |                          |                |                            |                                    |                               |                           |                 |                   |                     |                   |
| nclude col | mments such as i         | vell condition | , odor, prese              | nce of NAPL, of                    | other items n                 | ot on the field d         | ata sheet       |                   |                     |                   |
|            |                          |                |                            | 11.0                               |                               |                           | 1,61            |                   |                     |                   |

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WELL ID: 111. 12 2001

|             |         |                |       | Spec Com                 | <u>~)</u>              |                    |             |             |                |
|-------------|---------|----------------|-------|--------------------------|------------------------|--------------------|-------------|-------------|----------------|
| Time        | Removed |                | , and | opec. Cond<br>+ of ±3% o | u. ∪HP<br>⊪r > of ±10% | DO<br>or > of +10% | Furbidity   | Water Level | Commente       |
|             | (ijal)  | ±0.1 su        | ÷2°C  | ±10 µS/cm                | 1 ±20 mV               | ±0.2 mg/l          | 01 ≤ 10 NTL |             | Comments       |
| 310         | 3.7     | 10.55          | 22.33 | 0.215                    | -165.0                 | 201                | 11.2        | 38.05       |                |
| 320         | 0.9     | 10.39          | 21.92 | 0.264                    | -142.2                 | 1.77               | 26.3        | 28.DC       |                |
| 330         | 1.0     | 10.22          | 22.92 | 10.251                   | -159.1                 | 1.72               | 151         | 2106        |                |
| 1340        | 1.2     | 10.12          | 23.01 | 6.237                    | -153.5                 | 203                | 131         | 3805        |                |
| 350         | 1.4     | 10.01          | 23.52 | 0.225                    | -1550                  | 115                | 12.3        | 38.31       |                |
| 400         | 1.5     | 9.89           | 2370  | 0217                     | -1491                  | 0.10               | 17.         | 1700        | - 88)<br>- 88) |
| 110         | 17      | 98             | 7197  | 0.210                    | 11415                  | 1.10               | 1/1         | J7.11       |                |
| 420         | 1.8     | 973            | 290   | 0203                     | iut 2                  | 1.2                | 16.1        | 171 -0      | -              |
| 430         | 20      | 9 11           | 13.26 | 0199                     | -1007                  | 1.42               | 10.8        | 17.90       |                |
| 130         | 5. 14   | l              | 1.00  | 0                        | -172.0                 | 4.11               | 19.9        | 57.15       | л 8.           |
| [0          | sample  |                |       |                          | 1                      |                    |             |             |                |
|             |         |                |       |                          |                        |                    | <u> </u>    |             |                |
|             |         |                |       |                          |                        |                    |             | i           |                |
|             |         |                |       |                          |                        |                    |             |             |                |
| 1           |         | 1              | -     | 1                        |                        |                    |             |             |                |
|             |         |                |       |                          | 1                      |                    |             |             |                |
| Ì           |         |                |       | i                        | 1                      |                    | Į           |             |                |
|             | 7.2     |                |       |                          |                        |                    |             | e           | - 19 Y         |
|             |         | 1              |       |                          |                        |                    |             | î.          |                |
| -           |         | 1              |       | i                        |                        | 1                  | ÷           | 1           | _              |
|             |         | $_{\odot} = 1$ |       | 1                        |                        | - I                | 1           |             |                |
|             |         |                |       |                          |                        | 1                  |             | 1           |                |
| i           | -       | 1              |       |                          |                        |                    | 1           |             |                |
| -           |         |                | 3     | i                        |                        | . 1                |             | 1           |                |
| 1           |         |                | 1     |                          |                        | 1                  |             |             |                |
|             |         |                |       |                          | 1                      |                    |             |             |                |
| :<br>1<br>1 |         |                | 1     |                          | <u> </u>               | - 1                |             |             | 8 12           |
|             |         |                | -     | 1                        |                        |                    |             |             |                |
|             |         |                |       |                          |                        |                    |             |             |                |

Purge data continued on next sheet?

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WELL ID: 111-42 Zana

| <u>3. PU</u> F  | RGE DATA                              | (contir | nued fro | m page _                 | )                     |                              |           |             |              |
|-----------------|---------------------------------------|---------|----------|--------------------------|-----------------------|------------------------------|-----------|-------------|--------------|
| <b>T</b>        | Cum. Gallons                          | рН      | ſemp     | Spec. Cond.              | ORP                   | DO                           | Turbidity |             |              |
| i ime           | (gal)                                 | ±0.1 su | ±2 C     | > of ±3% or<br>±10 µS/cm | > of ±10% o<br>±20 mV | or⊨> of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level | Comments     |
| 000             | 0.6                                   | 7.60    | 17,61    | 3.711                    | -2324                 | 0.50                         | 7.01      | 5571        | /1 .         |
| 015             | 0.8                                   | 7.61    | 17,21    | 0.713                    | -238.7                | 0.46                         | 7.56      | 58.64       | it           |
| 025             | 1.0                                   | 7.11    | 19,33    | 0.710                    | -242.8                | 0.42                         | 6.13      | 60.91       | а <b>ч</b> 8 |
| 535             | Saught-                               |         |          | ý.                       |                       | !                            |           |             |              |
| yus             | V                                     | = )     |          |                          | -                     | , j                          |           |             |              |
| ) <sup>5*</sup> |                                       |         | i        |                          |                       |                              | 1         |             | - <u></u>    |
| 05              |                                       |         |          |                          | i.                    | l i                          |           |             |              |
| 15              |                                       | -       |          |                          |                       |                              |           |             |              |
| 25              |                                       |         |          |                          |                       |                              |           | 1           |              |
|                 |                                       | 1       |          |                          | 0 (                   |                              | 1         |             |              |
|                 | 1                                     |         |          |                          |                       |                              | 1         |             |              |
|                 | 1                                     | 1       |          | = )                      |                       |                              |           |             |              |
|                 |                                       | į.      | i ii     |                          | _                     |                              |           | 1           |              |
|                 |                                       |         | 1        | I                        |                       |                              |           |             |              |
|                 |                                       | 1       |          |                          |                       |                              |           |             |              |
|                 |                                       | . 4     | 3        | 1                        |                       |                              |           |             |              |
|                 | - 1                                   | i       |          |                          |                       |                              | į         |             |              |
|                 |                                       |         | į        |                          | . i                   |                              |           |             |              |
|                 |                                       | - 1     | 1        |                          | 1                     | 1                            | 1         | 1           |              |
|                 | I                                     | 1       | 1        |                          | 11                    |                              |           | 1           |              |
|                 | 1                                     | 1       |          | t                        |                       |                              | 1         |             |              |
|                 |                                       |         | 1        | i                        | 1                     |                              |           | 4           |              |
| 1               | 1                                     |         |          |                          |                       |                              | 1         |             |              |
|                 |                                       |         |          | 1                        |                       |                              | 1         |             |              |
|                 |                                       |         |          |                          |                       |                              |           |             |              |
| i               | · · · · · · · · · · · · · · · · · · · |         | +        |                          |                       |                              |           | E           |              |
|                 |                                       |         | 20       |                          | •                     |                              |           | 12<br>12    |              |
|                 | 1                                     | 1)<br>1 |          |                          | 1                     |                              |           |             |              |

Page 2 of 2 Signature



WELL ID: MV- 42 Zone 2

| 1         | oject Number   | r:                                             | Tasl             | k Number:       |                          |                              |                |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
|-----------|----------------|------------------------------------------------|------------------|-----------------|--------------------------|------------------------------|----------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Cli       | ent: China     | Loris                                          | - 11- 1          | 01 (            | les                      | Area                         | of Concern     |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
| Pro       | oject Location | " Andre                                        | mise             |                 |                          | Perso                        | nnel: <u>U</u> | 1                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
| 12. W     | ELL DA         | ΓΔ                                             |                  |                 |                          | Weat                         | ner: ~70       | 7 Chucen         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |
|           |                |                                                | Date             | e Measure       | d: <u>•<b>7./</b>¶_/</u> | /Time                        |                |                  | Tomor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |
| Cas       | sing Diamete   | r:i                                            | inches           | Туре:           | PVC OS                   | tainless 🖾 Gal               | iv. Steel 🔲    |                  | remporary Well:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes Chri   |
| Scr       | een Diamete    | r:                                             | inches           | Туре:           | JPVC US                  | tainless 🛛 Gal               | v. Steel 🗔 1   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
| 100       | al Depthrof W  | /ell: <u>222</u>                               | feet             | From:           | d Top of Well            | Casing (TOC)                 | D Top of       | Protective Casin |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
| Dep<br>–  | th to Static V | Vater: <u>46.7</u>                             | feet             | From:           | Top of Well              | Casing (TOC)                 | C Top of i     | Protective Casin | g G Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |
| Dep       | th to Product  |                                                | feet             | From:           | Top of Well              | Casing (TOC)                 | Top of         | Protective Casin | g 🖸 Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |
| Leng      | of Water (     | Column:                                        | feet             | Well Vo         | lume:                    | gal                          | Soro           | and lat          | g U Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |
|           |                |                                                |                  | Note: 1-in      | well = 0.041 g           | al/ft 2-in well :            | = 0.167 gal/ft | 4-in well = 0.66 | from GS):202 - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 22         |
| , FU      |                | IA<br>Relies G                                 | Date             | Purged: [       | 2 Mygl                   | Time:                        |                |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | io9 gai/it |
| Purge     | e Method:      | Centrifugal                                    | e<br>Pump (] Per | istaltic Pump   | ump 2" Su                |                              | Sub. Pump      |                  | YCT cer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Andel(s)   |
| Mater     | rials: Pump/B  | ailer OPol                                     | lyethylene       | Stainless D F   | VC D Teflon              |                              |                |                  | TIT-1-2-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -+-        |
| Mater     | ials: Rone/Tr  | ubing Grai                                     | vethvlene 🗆      | Prepared Off-   | Site Site                |                              | Disposable     | - 2.             | UN-ISCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |
| Mat       |                |                                                | licated D P      | repared Off-Sit | e D Field-Cle            | Nylon D Othe<br>Daned D Disr | er             | 3.               | Johnst 102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |
| Volum     | ie to Purge (r | ninimum): _                                    | we               | ll volumes or   |                          | gallons                      |                | 4.               | QED MASO / 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | //         |
| Was w     | vell purged dr | <u>γ?</u> □ Υ∈                                 | IS 🗆 No          | Pumping         | Rate:                    | gal/mir                      | 21             |                  | Calibrated? 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |
| Time      | Cum. Galk      | bns pH                                         | Temp             | Spec. Con       | d. ORP                   | DO                           | Turbic         | lity             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
|           | (gai)          | ±0.1 s                                         | u ±2°C           | > of ±3% (      | or > of ±10%             | or > of ±10%                 | or ston        | Water Lev        | vel Comme                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | nte        |
| 118       | Some           |                                                |                  | 1               | ±20 mV                   | ±0.2 mg/                     |                |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
| 100       | YOT CH         | 1.3                                            |                  | 1               |                          |                              | _              | 44,50            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
| 25        | 100 104        | 1.21                                           | 2028             | 0.304           | -168.1                   | 10:18                        | 1              | 1                | chan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |
| <u> </u>  | 0.1            | 17.55                                          | 17.20            | 0.717           | -178.6                   | 1.54                         | 1174           | 49 64            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
| 15        | 0.3            | 7.59                                           | 19.20            | 0713            | 1-2107                   | 0.92                         | 1110           | 11,00            | His Sull; San                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 Orbie    |
| 55        | 0.5            | 1.00                                           | 1949             | 17 413          | 1000                     | 10.12                        | 11.8           | 51.71            | 1 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |
|           |                | 17.00                                          | 1 5 1            | 0,115           | -223.1                   | 0.62                         | 7.97           | 53.84            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
| AME       |                | ΔΤΛ                                            | _                | _               |                          |                              |                | Purge da         | ta continued on next st                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | eet? 1     |
| ethod/s   | а. С Ва        | iller, Size:                                   | -                | 6               |                          |                              | 1.5.1          | Geoc             | hemical Analyses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |
| 0.100(0   | Cen            | trifugal Pump                                  | Peristalti       | c Pump 🖸 Inei   | tial Lift Pump           | mp 🛛 4" Sub.<br>O Other: 🗸   | Pump           | Earra            | in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se |            |
| aterials: | : Pump/Bailer  | <ul> <li>Polyethy</li> <li>Dedicate</li> </ul> | lene Cr Stain    |                 |                          | Other:                       |                | rerrot           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | g/L        |
| iterials: | Tubing/Rope    | Polyethyl                                      | ene 🖸 Polvo      |                 | UFfield-Clean            | Dispos                       | able           | DO:              | m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | g/L        |
| oth to V  | Votos -1 Tr    | C Dedicate                                     | d 🖸 Prepare      | ed Off-Site     | Field-Cleaned            | on Other:<br>OrDisposabl     | e              | Nitrate          | :m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | a/L        |
|           | YZ Zen         | of Samplin                                     | ig:              | F               | Field Filtered           | ? 🗆 Yes 🗆                    | No             | Sulfate          | $\cdot$ $/\overline{\cdot}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |
|           |                | Sample Dat                                     | te: 121 9.11     | _ Sample Tir    | ne: 05                   | # of Contain                 | ers: 2         | Alkali-          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | # <b>~</b> |
| viomest   | Sample Colle   | cted? Q Ye                                     | es 🗆 No          | ID:             |                          | # of Contain                 | ers:           | Aikaiini         | .y: _/\mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |
| -pinent   | olank Colleg   | ted? I Yo                                      | IS 🗆 No          | ID:             |                          | # of Containe                | ers:           | 8                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1          |
| DMM       | ENTS           | Tread                                          | > -11            |                 |                          |                              |                |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
|           | a. 1.5 -       |                                                |                  |                 |                          |                              |                |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
|           |                |                                                |                  |                 |                          |                              |                |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |
|           |                |                                                |                  |                 |                          |                              |                |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | - 1        |



WELL ID: 111-42 200-3

| 1. PROJECT INFORMATION                                                                                             |                                                                            |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Project Number: Task Number:                                                                                       | Area of Concern:                                                           |
| Client: Owing - My 2011 Sandon                                                                                     | Personnel: 30                                                              |
| Project Location: Anderson, SC.                                                                                    | Weather: (Isidy ~ 737                                                      |
| 2. WELL DATA Date Measured: 4. And                                                                                 | Time: dish                                                                 |
| Casing Diameter: inches Type: 3PVC U Stainle                                                                       | Emporary Well: LiYes ⊒rNo                                                  |
| Screen Diameter: / inches Type: SPVC U Stainle                                                                     | ess Li Galv. Sicel Li Tellon® D Other                                      |
| Total Depth of Well: 235 feet From: Top of Well Cas                                                                | ing (TOC) Top of Protective Casing D Other                                 |
| Depth to Static Water: 41. Refeet From: Top of Well Cas                                                            | ing (TOC) U Top of Protective Casing Other                                 |
| Depth to Product:feet From: 1 Top of Well Cas                                                                      | Ing (TOC) C Top of Protective Casing C Other:                              |
| Length of Water Column: <u>Unifect</u> Well Volume: <u>4.4</u> 7                                                   | gal Screened Interval (from GS):265-285                                    |
| Note: 1-in well = 0.0-11 gal/it                                                                                    | 2-in well = 0.167 qal/ft 4-in well = 0.667 qal/ft 6-in well = 1.469 gal/ft |
| 3. PURGE DATA Date Purged: 5-12-11                                                                                 | _ Time: 0938 Equipment Model(s)                                            |
| Purge Method: U Centrifugat Pump U Peristaltic Pump U Inertial Lift Pump                                           | <sup>2</sup> ump [] 4" Sub. Pump 1. М. D-L 2                               |
| Materials: Pump/Bailer                                                                                             | and il discosphia 2. Hera Lipper                                           |
| Materials: Rope/Tubing Polyethylene U Polypropylene D Tefform / N                                                  | ylon □ Other: 3. <u>\/1 - 556</u>                                          |
| Volume to Purge (minimum):                                                                                         | ed PDisposable 4. PRT-15LE                                                 |
| Was well purged dry? <sup>1</sup> Yes <sup>1</sup> No Pumping Rate:                                                | gallons Calibrated? 27% Calibrated                                         |
| Cum. Gallons pH Femp Spec. Cond. ORP                                                                               | DO Turbidity                                                               |
| Time         Removed           (gal)         ±0.1 su         ±2°C         > of ±3% or         > of ±10% or         | > of ±10% or s to NTU Water Level Comments                                 |
| CAY & 0.05 7.54 20.72 0.140 -983                                                                                   | 1.88 72 71 no!                                                             |
| 0950 207 207 21.71 A147 -102                                                                                       |                                                                            |
| 1000 1015 111 2011 0011 1210                                                                                       | 4.50 14.8 10.55                                                            |
| 1008 0.1) 1.64 (0.14 0.24% 2.24.0                                                                                  | 4.16 60.2 42.89                                                            |
| 1018 1. 23 1. 34 (1.84 0.271 -(40.)                                                                                | 1.46 18.3 44.25                                                            |
| 1028 0.25 1.51 10.70 0.227 -141.4                                                                                  | 2-11 17.8 45.751                                                           |
|                                                                                                                    | Purge data continued on next sheet? 🗡                                      |
| 4. SAMPLING DATA                                                                                                   | Geochemical Analyses                                                       |
| Method(s): Centrifugal Pump C Peristaltic Pump C Inerial Lift Pump C                                               | p 🛛 4" Sub. Pump<br>Other: mg/L                                            |
| Materials: Pump/Bailer U Polyethylene J Stainless D PVC D Tellonio D Dedicated D Prepared Off-Site D Field-Cleaner | Other: DO:                                                                 |
| Materials: Tubing/Roper Polyethylene Delypropylene Tellon® Nylon                                                   | □ Other: Nitrate: mc//                                                     |
| Depth to Water at Time of Sampling:                                                                                | Disposable Sulfato                                                         |
| Sample IDMU-41 Sample Date: 5-11-11 Sample Time: (14)                                                              | tof Containante                                                            |
| Duplicate Sample Collected? Yes Y No ID:                                                                           | # of Containers: Alkalinity: \ mg/L                                        |
| Equipment Blank Collected? Ves D No ID: E3-051211 6                                                                | # of Containers: 7                                                         |
| COMMENTS                                                                                                           |                                                                            |
|                                                                                                                    |                                                                            |
|                                                                                                                    |                                                                            |
| ste: Include comments such as well condition, odor, presence of NAPL, or other items not                           | on the field data shaet.                                                   |
|                                                                                                                    |                                                                            |
|                                                                                                                    |                                                                            |



WELL ID: MU/12 2000 3

| 3. PUF        | IGE DATA                          | (conti          | nued fro      | m page _                               | )                               |                                  |                             | 2           |                                |
|---------------|-----------------------------------|-----------------|---------------|----------------------------------------|---------------------------------|----------------------------------|-----------------------------|-------------|--------------------------------|
| Time          | Cuin, Gallon<br>Reinoved<br>(gal) | s pH<br>±0.1 su | Feanp<br>±2°C | Spec. Cond<br>> of ±3% or<br>±10 µS/cm | . ()RP<br>> of ±10% o<br>±20 mV | DO<br>r⊨> of ±10% c<br>±0.2 mg/L | Furbidity<br>or<br>≤ 10 NTU | Water Level | Comments                       |
| 1031          | 030                               | 7.15            | 11.12         | 0.227                                  | -1426                           | 2.7.7                            | 13.6                        | 45.50'      |                                |
| 1043          | 0,40                              | 7.50            | 20.32         | 0.225                                  | -146.6                          | 271                              | 16.7                        | 18.65       |                                |
| 1058          | 0.50                              | 1.53            | 20.52         | 0.221                                  | -145,6                          | 2.21                             | 15.1                        | 41.00'      |                                |
| 1101          | 0.55                              | 7.53            | 20.13         | 0.22.8                                 | -145.9                          | 1.72                             | 21.1,                       | 19.70'      | e <sup>10</sup> s <sup>1</sup> |
| 1118          | 0.60                              | 7.1.4           | 11.19         | 0.232                                  | - 150.6                         | 1.63                             | 20.6                        | 49.75-1     |                                |
| 1128          | 0.70                              | 7.65            | 19.89         | 0.275                                  | -151.4                          | 1.82                             | 21.2                        | 51.70'      | 200                            |
| 1138          | 0.51                              | 7.60            | 20.17         | 0.230                                  | -146.1                          | 1.36                             | 21.5                        | 53.84'      |                                |
| 1140          | Coller                            | -31             | sand          |                                        |                                 |                                  |                             |             |                                |
|               |                                   |                 | <u> </u>      |                                        |                                 |                                  |                             |             |                                |
|               |                                   |                 |               | ļ                                      |                                 |                                  |                             |             | 2                              |
|               |                                   |                 |               |                                        |                                 |                                  |                             |             | · · · ·                        |
|               |                                   |                 |               |                                        |                                 |                                  |                             |             |                                |
| 23            |                                   | _               | -             |                                        |                                 |                                  |                             | Ē           | - <sup>2</sup> ī_              |
| 0             |                                   |                 |               |                                        |                                 |                                  | -                           |             |                                |
| 88            |                                   |                 | ·             |                                        |                                 |                                  |                             | 1           |                                |
|               |                                   |                 |               |                                        |                                 |                                  |                             |             |                                |
|               |                                   |                 |               |                                        | i                               |                                  |                             |             |                                |
| ×             |                                   |                 | 1             |                                        | 1                               | •                                | 8                           | 1           |                                |
|               |                                   |                 |               |                                        | !                               |                                  |                             |             |                                |
|               |                                   | Ì               |               |                                        |                                 | 1                                |                             |             |                                |
| 25 <u>-</u> 1 |                                   |                 |               |                                        |                                 |                                  | 1                           |             |                                |
| -             |                                   |                 | 1             |                                        | İ                               | 1                                | 1                           |             |                                |
|               |                                   | 1               |               | , s dh                                 | į                               | İ                                | 1                           |             |                                |
|               | l                                 |                 |               |                                        |                                 |                                  |                             |             |                                |
| 10.0.23       | 26.5                              |                 | i.            | ł                                      |                                 |                                  |                             | 1           |                                |
|               |                                   |                 | 1             |                                        |                                 | 일다. 감구 :                         |                             | di se       |                                |
|               | 1                                 |                 | 26-m []       | ÷.                                     |                                 |                                  |                             |             |                                |
|               |                                   | 1               | i             |                                        |                                 |                                  |                             |             | 2                              |

# BROWNEANDES CAEDWEEE

# GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 408 Clinkscales Rd

| Project Number:       138670       Task Number:       300.003       Aria of Concert:       Personne:       Vill UIS         Project Location:       And and Concert:       Personne:       Vill UIS         Casing Diameter:       Inches       Type:       UPVC       Statess       Casing Diameter:       Personne:       Vill UI         Casing Diameter:       Inches       Type:       UPVC       Statess       Casing Diameter:       Personny Well:       UVes       UVes         Casing Diameter:       Inches       Type:       UPVC       Statess       Casing Diameter:       Personny Well:       UVes       UV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1. PROJECT INFORM                    | MATION                          |                              |                                     |                               |                     |                |                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------|------------------------------|-------------------------------------|-------------------------------|---------------------|----------------|---------------------------------------|
| Claim: Cwens Corning Persones: VM CMS Project Location: Anderson. South Carolina Weather ~ 12 P (Use UN) Casing Diameter: inches Type: UPVC Ustantes UGM. Steel Tational Udter. Casing Diameter: inches Type: UPVC Ustantes UGM. Steel Tational Udter. Casing Diameter: inches Type: UPVC Ustantes UGM. Steel Tational Udter. Depth to Protective Casing UDter. Length of Weat: leet From: U Top of WeitCasing (TOC) U Top of Protective Casing UDter. Length of Weat: leet From: U Top of WeitCasing (TOC) U Top of Protective Casing UDter. Length of Weat: Column: Leet Weit Volume: State 2014 gath 2sh wet = 0.167 gath -thin wet = 0.016r. Length of Weat: Date Purged: (I_MC/I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Project Number: 138670               | Task N                          | umber: <u>300</u>            | .003                                | Area of C                     | oncern <sup>.</sup> |                |                                       |
| Project Location:       Anderson. South Carolina       Weather:       Notice Provided and the street         2. WELL DATA       Date Measured:       Time:       Temporay Well.       Temp                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Client: Owens Corning                |                                 |                              |                                     | Personne                      | : Van.D.            | B              | · · · · · · · · · · · · · · · · · · · |
| 2. WELL DATA       Date Measured:       Time:       Temporary Wet:       Uve:       Uve:       Temporary Wet:       Uve:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Project Location: Anderso            | n, South C                      | arolina                      |                                     | Weather:                      | ~10 7               | Ance           | r                                     |
| Casing Diameter:       Inches       Type:       UPVC       UStainless       URAL Steel       Total Dept       Other         Screen Diameter:       Inches       Type:       UPVC       UStainless       U Galv. Steel       U Total Net       Urve       Urve         Depth to State Water:       feet       From:       U Top of Well Casing (TOC)       U Top of Protective Casing       U Other:         Depth to State Water:       feet       From:       U Top of Well Casing (TOC)       U Top of Protective Casing       U Other:         Depth to State Water:       feet       From:       U Top of Well Casing (TOC)       U Top of Protective Casing       U Other:         Length of Water Column:       feet       From:       U Top of Well Casing (TOC)       Top of Protective Casing       U Other:         PURGE DATA       Date Purged:       Materials: Note:       U Date Purged:       U Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2. WELL DATA                         | Date N                          | Aeasured:                    |                                     | Time                          |                     |                |                                       |
| Screen Diameter:      inches       Type:       J PVC       Statistics       Diamited Diameter:         Total Depth of Well:      feet       From:       Top of Well Casing (TOC)       D Top of Protective Casing       D Other:         Depth to Static Water:      feet       From:       D Top of Well Casing (TOC)       D Top of Protective Casing       D Other:         Length of Well:      feet       From:       D Top of Well Casing (TOC)       D Top of Protective Casing       D Other:         Length of Water      feet       From:       D Top of Well Casing (TOC)       D Top of Protective Casing       D Other:         Length of Water:      feet       From:       D Top of Well Casing (TOC)       D Top of Protective Casing       D Other:         Length of Water:      feet       PURGE DATA       Date Purged: 11, March 20 Meel = 0.167 ganh 4-in well = 0.867 well = 1.166 ganh         Purge Method:       D Bater, Store:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Casing Diameter:                     | _inches                         | Type: 山                      | PVC U Staint                        | ess Li Galv S                 |                     | Ti             | emporary Well: UYes UNo               |
| Total Depth of Well:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Screen Diameter:                     | _inches                         | Туре: 💷                      | PVC 🛛 Stainl                        | ess Ü Galv. Si                | leel  ] Tellor      |                |                                       |
| Depth to Static Water:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Total Depth of Well:                 | feet                            | From: 🗆                      | Top of Well Ca                      | sing (TOC)                    | Top of Prote        | Ctive Casing   | (2.0)h                                |
| Depth to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Depth to Static Water:               | feet                            | From: 🖸                      | Top of Well Cas                     | sing (TOC)                    | Top of Prote        | ctive Casing   | (3 Other:                             |
| Length of Water Column:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Depth to Product:                    | feet                            | From: 🗅                      | Top of Well Cas                     | sing (TOC)                    | Top of Prote        | ctive Casing   | 13 Other:                             |
| Note: Fin well = 0.017 galft       2-in well = 0.017 galft       2-in well = 0.017 galft       2-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well = 0.007 galft       5-in well                                                                                                                                                                                                                                                                                                                     | Length of Water Column:              | feet                            | Well Volun                   | 1e:                                 | gal                           | Screenec            | Interval /fro  | ~ CS);                                |
| Purge Althous       Date Purged: II.M.A.II.       Time:       Equipment Model(s)         Purge Method:       Baileds Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Pump U Peristatic Disposable       1       YST SS6 AM         Materials: Pump/Bailer       Devempine O Tatelong D Other:       3       3       3         Volume to Purge (minimum):       well volumes or       gallons       4.       4.         Volume to Purge (minimum):       well volumes or       gallons       4.       4.         Time       Removed<br>(rga)       pH       Temp Spec. Cond.       OPP DO       Turbidity       Water Level       Comments         ZMM       a.2. and to Size       gal/min       Calibrated?       Twes       Comments         Time       Removed<br>(rga)       pH       Temp Spec. Cond.       OPP       DO       Turbidity       Water Level       Comments         SAMPLING DATA       Eachord Pump U Peristatic U Floro O Other:       S2 MPU D Other:       Do       Materials: Tubing/Rope DelychylemD U Tehone D Other:       Do                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |                                 | Note: 1-in we                | ell = 0 041 gal/ft                  | 2-in well = 0.1               | 167 galift 4-in     | well = 0.667 g | nal/ft 6-in well = 1169 gal/ft        |
| Purge Method:       Continued on next sheet?         Materials:       Pump/Bailer       Devictivine       Distailes       Diversion       1       SSE_NM         Materials:       Pump/Bailer       Devictivine       Distailes       Diversion       0       Disposable       2       Disposable       2       Disposable       3         Materials:       Pump/Bailer       Devictivine       Disposable       Disposable       3       3       3         Volume to Purge (minimum):       well purged dir/?       Yes       No       Pumping Rate:       gal/min       Calibrated?       T/ves       0         Time       Removed<br>(ga)       ±0.1 su       ±2?       > of ±3% or > of ±0% of > of ±0% of > of ±10% of > of ±0% of > 10 NTU       Water Level       Comments         ZMS        2.0 mV       0.2 mo/L       3.0 mo/L       Comments       2.0 mV       2.0 mV       2.0 mV       2.0 mV       3.0 mo/L       2.0 mV       2.0 mV       3.0 mo/L       2.0 mV       2.0 mV       3.0 mo/L       =""><td></td><td>Date P</td><td>urged: 1.1</td><td><u> </u></td><td>_ Time:</td><td></td><td></td><td>Equipment Model(s)</td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      | Date P                          | urged: 1.1                   | <u> </u>                            | _ Time:                       |                     |                | Equipment Model(s)                    |
| Materials: Pump/Bailer       Debyethylene       Distantess       Divertime       2.       CRT-ISCE         Materials: Rope/Tubing       Debytatylene       Debytatylene       Disposable       3.       3.         Volume to Purge (minimum):       Debytatylene       Disposable       4.       3.         Was well purged dry?       Ves       No       Pumping Rate:       gal/min       Calibrated?       Comments         Time       Cum. Gallonsis       pH       Temp Spec. Cond.       ORP       DO       Turbidity       Vas       Comments         Yas well purged dry?       Vas       No       Pumping Rate:       gal/min       Calibrated?       Comments         Yas well purged dry?       Vas       x.0       Purge fasts:       2.0.4% of x.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 is 2.0 mg. s.0 m                                                                                                                                                                                                                                                                                                                                                | Purge Method: U Centrifugal P        | ump LI Perist                   | altic Pump Li I              | n¢ 🖾 2" Sub. F<br>nertial Lift Pump | Pump 🛛 4" Su<br>D 🖵 Other:    | b. Pump             | 1              | IST SSG MM                            |
| Materials: Rope/Tubing       Polyethylene       Polyethylene       Prepared Off.Sile       Telduceaned       Disposable       3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Materials: Pump/Bailer               | vethylene 🛛 S.<br>licated 🗆 🗅 F | lainless D PV(               |                                     | Other:                        |                     | 2.             | ORT-ISCE                              |
| Cleaned Off-Sile Difeld-Cleaned Disposable         4.         Calibrated? Off-Sile Difeld-Cleaned Disposable         Values to Purge (minimum):         well volumes or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Materials: Rope/Tubing               | ethylene 🖸 Po                   | Divpropylene                 | Teflon® 🗆 N                         | ianeo U Disp<br>Ivlon D Other | osable              | 1              |                                       |
| Was well purged dry?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Volume to Purge (minimum):           | icated U Pre                    | pared Off-Site               | G Field-Clean                       | ed Disposa                    | able                | 4              |                                       |
| Curr. Gallons       pH       Temp / Spec. Cond.       OR       DO       Turbidity       Calibrated?       Cyss       D         Time       (gal)       ±0.1 su       ±2°C       > of ±3% or > of ±10% or > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or        > of ±10% or <td< td=""><td>Was well purged drv?</td><td>wellv<br/>s 🖸 No</td><td>Pumping Dr</td><td></td><td>gallons</td><td></td><td>Ŧ. <u></u></td><td></td></td<>                                                                                                                                                                                                                                                                                                                                                            | Was well purged drv?                 | wellv<br>s 🖸 No                 | Pumping Dr                   |                                     | gallons                       |                     | Ŧ. <u></u>     |                                       |
| Time       Removed<br>(gal)       ±0.1 su       ±2°C       > of ±3% or<br>±10 µ\$/cm       > of ±10% or<br>±20 mV       > of ±10% or<br>±20 mV       > 10 NTU       Water Level       Comments         ##S       ~S       G.M       [5,5]       0.94/L       [11,7]       9,45       5.21       Imments       Comments       Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cum. Gallons pH                      | Temp                            | Spec. Cond.                  |                                     | gal/min                       | Truckiett           |                | Calibrated? Yes                       |
| HIS       AS       4.39       Ib.B       0.0446       III.9       9.45       5.21         Purge data continued on next sheet?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Time Removed (gal) ±0.1 si           | ⊥ ±2°C                          | > of ±3% or<br>±10 µS/cm     | > of ±10% or<br>±20 mV              | > of ±10% or<br>±0.2 mg/L     | ≤ 10 NTU            | Water Leve     | Comments                              |
| SAMPLING DATA       Purge data continued on next sheet?         Tethod(s):       Bailer, Size:       Bladder Pump         Centrifugal Pump       Perstattic Pump       Inertial Lift Pump         Itethod(s):       Bailer, Size:       Bladder Pump         Centrifugal Pump       Perstattic Pump       Inertial Lift Pump         Itethod(s):       Polyethylene       Stainless       PVC         Itethod(s):       Polyethylene       Stainless       PVC         Itethod(s):       Polyethylene       Stainless       PVC         Itethod(s):       Polyethylene       Perspared Off-Site       Field-Cleaned       Disposable         Itethod(s):       Dedicated       Prepared Off-Site       Field-Cleaned       Disposable         Itethod(s):       Sample Date:       Field Filtered?       Yes       No         Imple ID:       Sample Date:       Sample Time:       # of Containers:       Mg/L         Inplicate Sample Collected?       Yes       No       ID:       # of Containers:         Imple ID:       Yes       No       ID:       # of Containers:         Imple Addition:       Yes       No       ID:       # of Containers:         Imple ID:       Yes       No       ID:       # of Con                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 745 ~5 6.29                          | 16.15                           | 0.046                        | 111.9                               | 945                           | 521                 |                |                                       |
| Purge data continued on next sheet?         SAMPLING DATA         Iethod(s):       Bailer, Siza:       Bladder Pump       2" Sub. Pump       4" Sub. Pump         Iethod(s):       Centrifugal Pump       Peristaltic Pump       14" Sub. Pump         Iaterials:       Pulge data continued on next sheet?       Geochemical Analyses         Ferrous Iron:       mg/L         Iaterials:       Publicated       Prepared Off-Site       Field-Cleaned       Disposable         Iaterials:       Tubing/Rope       Polyethylene       Polyethylene       Polyethylene       Itelines       Nion       Other:       mg/L         Intract       Dedicated       Prepared Off-Site       Field-Cleaned       Disposable       Nitrate:       mg/L         Intract       Sample Delocated       Prepared Off-Site       Field Filtered?       Yes       No         Imple ID:       Sample Date:       Sample Time:       #YS       # of Containers:       Mg/L         Iupincate Sample Collected?       Yes       No       ID:       # of Containers:       Mg/L         Mumper IBlank Collected?       Yes       No       ID:       # of Containers:       Mg/L         OMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |                                 |                              |                                     | 1. 1.                         |                     |                | 1                                     |
| SAMPLING DATA       Purge data continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Content continued on next sheet?       Image: Content continued on next sheet?       Image: Content continued on next sheet?       Image: Content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content content |                                      |                                 |                              |                                     |                               | 2                   | 8.9            |                                       |
| SAMPLING DATA       Purge data continued on next sheet?         Nethod(s):       Bailer, Size:       Bladder Pump         Centrifugal Pump       Peristaltic Pump       1 retion@         Iaterials: Pump/Bailer       Polyethylene       Stainless       PVC         Iaterials: Tubing/Rope       Polyethylene       Stainless       PVC       Tethon@       Other:         Dedicated       Prepared Off-Site       Field-Cleaned       Disposable       DO:       mg/L         Nitrate:       img/L       Nitrate:       img/L       Nitrate:       mg/L         Supple to Water at Time of Sampling:       Field Filtered?       Yes D       No       Sulfate:       mg/L         uplicate Sample Collected?       Yes D       No       ID:       # of Containers:       Mg/L         OMMENTS       Model D:       # of Containers:       Mg/L       Mg/L       Mg/L         clude comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.       Sulfata sheet.       Mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |                                 |                              |                                     |                               | o or uz             |                | 1 - V                                 |
| SAMPLING DATA       Purge data continued on next sheet?         Atethod(s):       Bailer, Size:       Bladder Pump       2* Sub. Pump       4* Sub. Pump         Idethod(s):       Polyethylene       Presidatic Pump       Inertial Lift Pump       Other:       Geochemical Analyses         Iaterials:       Pump/Bailer       Polyethylene       Stainless       PVC       Tethon@       Other:       DO:       mg/L         Iaterials:       Pump/Bailer       Polyethylene       Polyethylene       Tethon@       Other:       DO:       mg/L         Iaterials:       Tubing/Rope       Polyethylene       Polyethylene       Tethon@       Other:       No       O:       mg/L         Iaterials:       Tubing/Rope       Polyethylene       Polyethylene       Tethon@       Nyton       Other:       No       No         Iaterials:       Tubing/Rope       Polyethylene       Polyethylene       Tethon@       Nyton       Other:       No       No       No       Mg/L       Nitrate:       mg/L       Nitrate:       mg/L       Nitrate:       mg/L       Sulfate:       mg/L       Alkalinity:       mg/L       Alkalinity:       mg/L       Alkalinity:       mg/L       Alkalinity:       mg/L       Mg/L       Alkalinity:       m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Br                                   |                                 |                              |                                     |                               |                     |                |                                       |
| SAMPLING DATA       Purge data continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Continued on next sheet?       Image: Contenters       Image: Continued on ne                                                                                                                                                                                                                                 |                                      |                                 |                              |                                     |                               |                     |                |                                       |
| SAMPLING DATA       g cancomments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.       g cancomments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.       g cancomments not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |                                 |                              |                                     |                               |                     | Purge data     | Continued on part chart?              |
| Method(s): Bailer, Size: Bladder Pump 2* Sub. Pump 4* Sub. Pump   Centrifugal Pump Peristaltic Pump Inertial Lift Pump Other:   Baterials: Polyethylene Stainless PVC Teffon® Other:   Dedicated Prepared Off-Site Field-Cleaned Disposable DO: mg/L   Nitrate: Img/L   Paterials: Tubing/Rope Polyethylene Polyethylene Teffon® Nton   Dedicated Prepared Off-Site Field-Cleaned Disposable DO: mg/L   Nitrate: Img/L   Poth to Water at Time of Sampling: Field Filtered? Yes No   Iplicate Sample Collected? Yes No ID: # of Containers: Alkalinity:   Iuipment Blank Collected? Yes No ID: # of Containers: Mg/L   Collected? Yes No   Clude comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SAMPLING DATA                        |                                 |                              |                                     | 2                             |                     | Geoch          |                                       |
| Iaterials: Pump/Bailer       Polyethylene       Stainless       PVC       Teflon®       Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Aethod(s):<br>Centrifugal Pump       | Peristaltic                     | ladder Pump<br>Pump 🗇 Inerti | 🖵 2" Sub. Pumj<br>al Lift Pump      | p 🛛 4" Sub. P                 | ump                 | <u>Goodin</u>  | cifical Arialyses                     |
| Image: Constrained in prepared Off-Site in Field-Cleaned in Disposable       DO: mg/L         Interview: Subject to Water at Time of Sampling:       Field-Cleaned in Disposable       Nitrate:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | faterials: Pump/Bailer Dedicat       | ylene 🖸 Stainl                  |                              | Teflon® 🔲                           | Other:                        |                     | rerrous        | s Iron: mg/L                          |
| Dedicated       Prepared Off-Site       Field-Cleaned       Disposable       Nitrate:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Aterials: Tubing/Rope Devican        | /lene 🖸 Polvor                  | ared Off-Site                |                                     | d 🛛 Disposat                  | le                  | DO:            | mg/L                                  |
| clude comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.       Yes I No       Yes I No       Sulfate:mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Dedicate                             | ed 🖸 Prepare                    | d Off-Site                   | Field-Cleaned                       | Disposable                    | =                   | Nitrate:       |                                       |
| Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:       Image: Sample Date:                                                                                                                                                                                                                                                                                                                                                                       | ample ID:                            | ng:                             | Fi                           | ield Filtered?                      | 🛛 Yes 🗅                       | No                  | Sulfate:       | mg/L                                  |
| numerical conductor is in the initial interview of containers:       # of Containers:         numerical conductor is interview of containers:       # of Containers:         OMMENTS       # of Containers:         clude comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | uplicate Sample Collected2 D         |                                 | _ Sample Tim                 | ne: 17 15                           | # of Container                | rs: 7               | Alkalinit      | y: mg/L                               |
| Clude comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | uipment Blank Collected?             | es II No                        |                              |                                     | # of Container                | s:                  |                |                                       |
| Clude comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |                                 | iU                           | > I                                 | # of Container                | s:                  | -              |                                       |
| clude comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | UMMENTS                              | -1 121                          |                              |                                     |                               | 12.                 |                |                                       |
| clude comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |                                 |                              |                                     |                               |                     |                |                                       |
| sour as were condition, door, presence of NAPL, or other items not on the field data sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | nclude comments such as well and the |                                 | 5<br>                        |                                     |                               |                     |                |                                       |
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WELL ID: 408 Clinkscales Rd

| 011  |                                    | 100111110      | form           | Spec. Cond.               | ORP                    | DO                        | Turbidity  |             | 0                                     |
|------|------------------------------------|----------------|----------------|---------------------------|------------------------|---------------------------|------------|-------------|---------------------------------------|
| ine  | Cum, Gallons (<br>Removed<br>(gal) | рн<br>±0,1 su, | ±2° <b>G</b> • | '> of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU   | Water Level | Comments                              |
|      |                                    |                |                |                           |                        |                           |            | _           |                                       |
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|      |                                    | <u> 19</u>     |                |                           |                        |                           |            |             |                                       |
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| 20,2 |                                    |                |                |                           |                        |                           | <u> </u>   |             |                                       |
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<b>A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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Personne                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| 2. WE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Scree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | en Diameter:                                                                               |                                                                  | inches                                 | Type. u                           |                                  | less 🖾 Galv. S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | teel 🛛 Teflor           | )ゆ 🗓 Other:                 |                                 |
| Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Depth of Well:                                                                             |                                                                  | foot                                   | From: 1                           | PVC U Stain                      | ess 🗓 Galv. S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | teel 🛈 Teflon           | Other:                      |                                 |
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| Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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gal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| PUR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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2*// Well = 0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 67 galitt 4-in          | well = 0.667 ga             | l/ft    6-in well = 1169 gal/ft |
| Purge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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_ IIMe:<br>Pumo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | b Ruma                  |                             | Equipment Model(s)              |
| Materia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ale: Pumo/Deile                                                                            | - 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Pump<br>             | 1. <u>Ľ</u>                 | st ste mps                      |
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Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| Materia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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ed 🖸 Disposa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Vas we                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ell purged dry? 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Gallons                                                                               | рН                                                               | Temp                                   | Spec. Cond.                       | ORP                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Turbidity               | 1                           | Calibrated? Gryes               |
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> of ±10% or<br>±0.2 ma/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| thod(s):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Centrifu                                                                                   | r, Size:<br>Jgal Pump                                            | Peristaltic                            | Bladder Pump (<br>Pump 🖵 Inertia  | 2" Sub. Pump                     | 0 1 4" Sub. Pu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Imp                     |                             | <u>nical Analyses</u>           |
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Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| terials:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                            | le                      | DO;                         | mg/L                            |
| terials:<br>erials:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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Other: Disposable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| terials:<br>terials:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| terials:<br>terials:<br>oth to W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tubing/Rope                                                                                | Dedicated                                                        |                                        | Fie                               | eld Filtered?                    | 🛛 Yes 🖬                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                      | Sulfate:                    | /\ ma/l                         |
| terials:<br>terials:<br>oth to W<br>ple ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No<br>s: <u>2</u>       | Sulfate:                    | mg/L                            |
| terials:<br>terials:<br>oth to W<br>nple ID:<br>plicate S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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Yes<br>f of Containers<br>f of Containers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | No<br>s: <u>2</u><br>s: | Sulfate:                    | mg/L<br>mg/L                    |
| aterials:<br>terials:<br>pth to W<br>mple ID:<br>plicate S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tubing/Rope                                                                                | f Sampling<br>ample Date<br>ed? I Yes                            | :::::::::::::::::::::::::::::::::::::: | Fie<br>Sample Tim<br>ID:<br>ID:   | e: <u>1705</u> /                 | Yes  Yof Containers  of Containers  of Containers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No<br>s:<br>s:          | Sulfate:<br>Alkalinity:<br> | mg/L<br>mg/L                    |
| aterials:<br>العادية<br>pth to W<br>pth  Tubing/Rope L<br>/ater at Time o<br>Proving L<br>Sample Collecte<br>Blank Collecte<br>ENTS | Togetifies<br>Dedicated<br>f Sampling<br>ample Date<br>ed? U Yes | : //                                   | Fie<br>_ Sample Tim<br>ID:<br>ID: | e: <u>775</u>                    | Yes for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers for Containers f | No<br>s:<br>s:          | Sulfate:<br>Alkalinity:<br> | mg/L<br>mg/L                    |
| terials:<br>terials:<br>oth to W<br>pole ID:<br>plicate S<br>ipment I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tubing/Rope                                                                                | f Sampling<br>ample Date<br>ed? I Yes                            | :::::::::::::::::::::::::::::::::::::: | Fie<br>Sample Tim<br>ID:<br>ID:   | e: <b>/7:5</b> /                 | Yes  fof Containers  fof Containers  of Containers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No<br>s:                | Sulfate:<br>Alkalinity:<br> | mg/L<br>mg/L                    |
| terials:<br>terials:<br>oth to W<br>year<br>ipment i<br>ipment i<br>ipment i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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Yes  fof Containers  fof Containers  of Containers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No<br>s:                | Sulfate:<br>Alkalinity:<br> | mg/L<br>mg/L                    |
| terials:<br>terials:<br>pth to W<br>period<br>plicate S<br>ipment to<br>DMME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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Yes  f of Containers  f of Containers  of Containers  of Containers  on the field data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No<br>s:                | Sulfate:<br>Alkalinity:     | mg/L<br>mg/L                    |

5

No



WELL ID: 200 Friendship Ln

| PUR  | GE DATA                 | Conunc  |       | Spec Cond   | ORP          | DO                 | Turbidity | 1           | Commonte |
|------|-------------------------|---------|-------|-------------|--------------|--------------------|-----------|-------------|----------|
| ime  | Cum. Gallons<br>Removed | рН      | Temp  | > of ±3% or | > of ±10% or | > of $\pm 10\%$ or | ≤ 10 NTU  | Water Level | Comments |
|      | (gal) .                 | ±0.1 su | ±2 La | ±10 µS/cm   | ±20 mV       | ±0.2 mg/c          |           | 1           |          |
|      |                         | 1<br>*  |       |             | 1            |                    |           |             |          |
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|      |                         |         |       |             |              |                    |           |             |          |

# BROWNEAND WELL ID: 721 Clinkscales Rd

# GROUNDWATER SAMPLING FIELD DATA SHEET

| 1. PR                                                     | IOJECT II                                  | NFORM                    | IATION                |                                  |                                    |                                |                       |                 |                                |
|-----------------------------------------------------------|--------------------------------------------|--------------------------|-----------------------|----------------------------------|------------------------------------|--------------------------------|-----------------------|-----------------|--------------------------------|
| Proje                                                     | ect Number:                                | 138670                   | Task N                | Number: <u>30</u> 0.             | .003                               | Area of C                      | Oncern                |                 |                                |
| Clien                                                     | nt: <u>Owens C</u>                         | orning                   |                       |                                  |                                    | Personne                       | H WH                  | BAS             |                                |
| Proje                                                     | ect Location: /                            | Anderson                 | <u>, South (</u>      | Carolina                         |                                    | Weather:                       | -85 CL                | /               |                                |
| 2. WE                                                     | LL DATA                                    | Ι.                       | Date                  | Measured:                        |                                    | Time:                          |                       |                 |                                |
| Casir                                                     | ng Diameter:                               |                          | inches                | ريا: Type:                       | PVC Stain                          | ess Li Galv. S                 | iteel U Teflon        | Te<br>® □ Olber | mporary Well: 🛛 Yes 🖾 No       |
| Scree                                                     | en Diameter: _                             |                          | inches                | Type: 🖬                          | PVC 🛄 Stainl                       | ess 🗳 Galv. Si                 | teel 🖸 Teflore        | ® [] Other:     |                                |
| Totai                                                     | Depth of Well                              | :                        | feet                  | From:                            | Top of Well Ca                     | sing (TOC)                     | Top of Protec         | stive Casing    |                                |
| Depth                                                     | n to Static Wat                            | er:                      | feet                  | From: 🛈                          | Top of Well Ca                     | sing (TOC)                     | Top of Protec         | tive Casing     |                                |
| Depth                                                     | to Product:                                |                          | feet                  | From: 🗅                          | Top of Well Ca                     | sing (TOC)                     | Top of Protec         | tive Casing     | ] Other:                       |
| Lengt                                                     | h of Water Col                             | lumn:                    | feet                  | Well Volum                       | ne:                                | gal                            | Screened              | Interval /from  |                                |
|                                                           |                                            |                          |                       | Note: 1-in we                    | ell = 0.041 galifi                 | 2-in well = 0.                 | 167 gal/ft 4-in       | well = 0.667 ga | al/ft 6-in well = 1.469 gal/ft |
| 5. F UF                                                   |                                            | A<br>Bailer Sizer        | Date F                | Purged:                          | _                                  | _ Time:                        | 2.10                  |                 | Equipment Model(s)             |
| Purge                                                     | Method: GC                                 | entrifugal Pur           | mp Ll Peris           | taltic Pump D Ir                 | np 🖸 2" Sub. I<br>nertial Lift Pum | Pump []] 4" Su<br>p []] Other: | ıb. Pump              | 1.              | SI 556 MPS                     |
| Materia                                                   | als: Pump/Bail                             | ler 🗘 Polye              | thylene 🗆 S<br>ated 🗇 | Stainless 🖾 PVC                  |                                    | Other:                         |                       | 2.7             | RT-ISCE                        |
| Materia                                                   | als: Rope/Tubi                             |                          | thylene 🛈 F           | olypropylene                     | Teflon® D N                        | vion D Other                   | osable                | 3               |                                |
| Volume                                                    | e to Purce (mi                             |                          | ated 🖾 Pro            | epared Off-Site                  | C Field-Clean                      | ed Dispos                      | able                  | 4               |                                |
| Was we                                                    | ell purged dry/                            | ninum):<br>2 □ Yes       | well                  | volumes or                       |                                    | gallons                        |                       | +. <u></u>      |                                |
|                                                           | Cum. Gallon                                | s pH                     | Temp                  | Spec. Cond.                      |                                    | gal/min                        |                       |                 | Calibrated?                    |
| Time                                                      | Removed<br>(gal)                           | ±0.1 su                  | ±2°C                  | > of ±3% or<br>±10 µS/cm         | > of ±10% or<br>±20 mV             | > of ±10% or                   | Turbidity<br>≤ 10 NTU | Water Level     | Comments                       |
| 715                                                       | ~3                                         | 5.77                     | 19.93                 | 0.058                            | 100 y                              | 10.84                          | 1250                  |                 |                                |
|                                                           |                                            |                          |                       |                                  |                                    |                                | 216                   |                 |                                |
|                                                           |                                            |                          |                       |                                  |                                    |                                |                       |                 |                                |
|                                                           | <u> </u>                                   |                          |                       |                                  |                                    |                                |                       |                 |                                |
|                                                           |                                            |                          |                       |                                  | 1                                  |                                |                       |                 |                                |
|                                                           |                                            |                          |                       |                                  |                                    | S.S                            |                       |                 |                                |
|                                                           |                                            |                          |                       |                                  |                                    |                                |                       | Purge data      |                                |
| SAMF                                                      | LING DA                                    | TA                       |                       | i <del>)</del>                   | -                                  |                                | 11 st                 | Geoche          |                                |
| Method(s                                                  | s): U Bail<br>Centr                        | er, Size:<br>ifugal Pump | Peristalti            | Bladder Pump<br>c Pump 🖸 Inertia | □ 2" Sub. Pum<br>al Lift Pump □    | p 🖸 4" Sub. P                  | ump                   | Corre           | inical Analyses                |
| Materials:                                                | : Pump/Bailer                              | C Polyethyle             | ene 🛛 Stair           |                                  | Teflon® 🛄                          | Other:                         | _                     | Ferrous         | Iron: mg/L                     |
| Materials:                                                | : Tubina/Rope                              | Deulcaled                | ene 🗆 Polvr           |                                  | Field-Cleane                       | d 🗆 Disposat                   | ole                   | DO:             | mg/L                           |
|                                                           |                                            | Dedicated                | Prepar                | ed Off-Site                      | Field-Cleaned                      | Disposable                     |                       | Nitrate:        | mg/L                           |
| Donth to 1                                                | Li Cinkscore                               | of Sampling              | ):;<br>_[] 311        | Fi                               | eld Filtered?                      | 🛛 Yes 🗔                        | No                    | Sulfate:        | mg/L                           |
| Depth to V                                                |                                            | Sample Date              | e: 11.2"              | Sample Tim                       | le: <u>1715</u>                    | # of Containe                  | rs: <u>~</u>          | Alkalinity      | : ma/L                         |
| Depth to y<br>Sample ID                                   | Sample Coller                              |                          | S D No                | ID:                              |                                    | # of Container                 | rs:                   |                 |                                |
| Depth to y<br>Sample I<br>Duplicate                       | Sample Collect                             | ted? D Ye                |                       | ID.                              |                                    |                                |                       |                 |                                |
| Depth to y<br>Sample ID<br>Duplicate<br>Equipment         | Sample Collect                             | ted? 🗆 Ye                | s 🗆 No                | ID:                              |                                    | # of Container                 | rs:                   | _               |                                |
| Depth to<br>Sample I<br>Duplicate<br>Equipment            | Sample Collect<br>t Blank Collect          | ted?⊡ Ye<br>ted?⊡ Ye     | s 🗆 No                | ID:                              |                                    | # of Container                 | rs:                   |                 |                                |
| Depth to y<br>Sample ID<br>Duplicate<br>Equipment         | Sample Collect<br>t Blank Collect          | sted? 	Ye                | s 🗆 No                | ID:                              |                                    | # of Container                 | 's:                   | _               |                                |
| Depth to y<br>Sample IL<br>Duplicate<br>Equipment<br>COMM | Sample Collect<br>t Blank Collect<br>IENTS | sted?⊡ Ye<br>ted?⊡ Ye    | s 🗆 No                | ID:                              |                                    | # of Container                 | 'S:                   | _               |                                |



WELL ID: 721 Clinkscales Rd

| UH    | Cum Gallone      | Hq       | . Temp. /    | Spec. Cond.               | ORP                    | DO                         | Furbidity | WaterLevel | Comments |
|-------|------------------|----------|--------------|---------------------------|------------------------|----------------------------|-----------|------------|----------|
| me    | Removed<br>(gal) | ±0.1 su  | ±2°C •       | > of ±3% or<br>*±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 ing/L | ≤ 10 NTU  |            |          |
|       | (gui)            |          | <del>i</del> |                           |                        |                            |           |            |          |
|       |                  |          |              |                           |                        |                            |           | 1          |          |
|       |                  |          |              |                           |                        |                            | 1         |            |          |
|       |                  |          |              |                           |                        | 1                          | 1         |            |          |
|       |                  |          |              |                           |                        |                            |           |            |          |
|       |                  |          |              |                           |                        | 1                          |           |            |          |
|       |                  |          |              |                           |                        |                            |           |            |          |
|       |                  | i        | 1            |                           |                        |                            | -         |            |          |
|       |                  |          |              |                           |                        |                            |           |            |          |
| • •   | · · · · ·        | <u> </u> | <u> </u>     |                           |                        |                            | 1         |            |          |
| 1     |                  |          |              | 1                         |                        | <u> </u>                   |           |            |          |
|       |                  |          |              |                           | 1                      |                            |           |            |          |
|       | 230.0            | 1        |              |                           |                        |                            |           |            |          |
| •     |                  | 5        | 6            | e 🖂                       |                        | - 090                      |           |            |          |
|       | 1                |          |              |                           |                        |                            |           |            |          |
| 0     |                  |          | 1            |                           |                        |                            | 1         |            |          |
|       |                  |          |              |                           |                        | 320                        | 1.44      |            |          |
|       |                  |          |              | a.                        |                        | 1                          | 1 -       |            |          |
|       | 0.1              |          |              |                           |                        | i<br>1                     |           | 1          |          |
|       |                  |          |              |                           |                        | <u> </u>                   |           |            |          |
| 2     | æ. L             |          |              |                           |                        |                            |           |            |          |
|       | 4                | 1955 - T |              |                           |                        |                            |           |            |          |
| _     |                  | <u> </u> |              |                           |                        |                            |           |            | 1        |
|       |                  |          | 0.280        |                           |                        |                            |           |            |          |
| _     |                  |          |              |                           |                        |                            |           |            |          |
|       |                  |          |              |                           |                        |                            |           | •          |          |
|       | 04, 0 ± 01       |          |              | 5.                        |                        |                            |           | 1          |          |
|       |                  |          |              |                           |                        | -                          |           |            |          |
| 10    |                  |          |              |                           |                        |                            | !         |            | ł        |
| , a a |                  |          |              |                           |                        | •                          |           |            |          |
|       |                  |          |              |                           |                        |                            |           |            |          |
|       |                  |          |              |                           | 1                      | 1                          |           |            |          |

#### EROWN AND EAEDWEED

N

# GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 605 Clinkscales Rd

| 1. PR     | OJECT I                 | VFORM                    | IATION                    | _                                |                                |                   | 0.             |                |                                |
|-----------|-------------------------|--------------------------|---------------------------|----------------------------------|--------------------------------|-------------------|----------------|----------------|--------------------------------|
| Proje     | ect Number:             | 138670                   | Task N                    | Number: 300                      | .003                           | A-00 6 0          |                |                |                                |
| Clien     | t: <u>Owens C</u>       | orning                   |                           |                                  |                                | Area of C         | oncern:        | 2:41           |                                |
| Proje     | ect Location: A         | Anderson                 | , South (                 | Carolina                         |                                | Personne          | 1075 VI        |                |                                |
| 2. WE     | LL DATA                 |                          | Date                      | Magazinadi                       |                                | weather:          | V- C + C       | men            |                                |
| Casir     | Diameter:               |                          | Date                      | weasured:                        |                                | Time:             |                | Т.             | emporary Well: 🛛 Yes 🖄 N       |
| Scree     | n Diameter              |                          | inches                    | Туре: Ц                          | PVC U Stain                    | less 🗳 Galv. S    | iteel 🖸 Teflor | n® 🖾 Other:_   |                                |
| Total     | Depth of Well-          |                          | inches                    | From: U                          | PVC D Stainf                   | ess 🖾 Galv. S     | teel 🛄 Teflor  | 🔊 🛈 Other:_    |                                |
| Depth     | to Static Wat           |                          | reet                      | From: D                          | Top of Well Ca                 | sing (TOC)        | Top of Prote   | ctive Casing   | Other:                         |
| Depth     | to Product:             |                          | leet                      | From: 13                         | Top of Well Ca                 | sing (TOC)        | Top of Prote   | ctive Casing   | Other:                         |
| Lenath    | of Water Col            | <br>umn·                 | _ieet                     |                                  | i op of Well Ca:               | sing (TOC)        | Top of Prote   | ctive Casing   | Other:                         |
|           |                         |                          |                           | Note: 1-in we                    | ne:<br>ell = 0.041 a.nl/ff     | gal               | Screened       | Interval (fro  | m GS):                         |
| . PUF     | GE DAT                  | 4                        | Date P                    | urged: //.)                      | Mer. 11                        | Time              | yanı 4-lf      | well = 0.667 g | al/ft 6-in well = 1.469 gal/ft |
| Purge     | Method:                 | Bailer, Size:            | mp /3 D                   | D Bladder Pun                    | np [] 2" Sub. 1                | <br>Pump □ 4" Su  | ib. Pump       | •              | Equipment Model(s)             |
| Materia   | als: Pumo/Bail          | er U Polve               | thylene 🗆 S               | taitic Pump 🗋 li                 | nertial Lift Pum               | O C Other:        |                | 1. <u>/</u>    | SLSSI MPS                      |
|           |                         |                          | ated 🛄                    | Prepared Off-Sit                 | te 🛛 Field-Cle                 | aned C Disp       | osable         | 2. <u>U</u>    | /KI-15CE                       |
| Materia   | uls: Rope/Tubir         | ng 🖸 Polye<br>🔾 Dedic    | thylene 🖸 P<br>ated 🖸 Pre | olypropylene                     | Teflon® (1) N                  | lylon Dother:     |                | 3              |                                |
| Volume    | e to Purge (min         | nimum):                  | well                      | volumes or                       |                                | aallons           | 4016           | 4              |                                |
| Was we    | ell purged dry?         | U Yes                    | D No                      | Pumping Ra                       | ite:                           | gal/min           |                |                | Calibrated?                    |
| Time      | Cum. Gallons<br>Removed | s pH                     | Temp                      | Spec. Cond.                      | ORP                            | DO                | Turbidity      |                |                                |
|           | (gal)                   | ±0.1 su                  | ±2°C                      | > of ±3% or<br>±10 µS/cm         | > of ±10% or<br>±20 mV         | > of ±10% or      | ≤ 10 NTU       | Water Level    | Comments                       |
| 25        | 25                      | 6.64                     | 20.03                     | Ons                              | -472                           | 741               | 117            | 12:58          |                                |
|           |                         |                          |                           |                                  | 10.2                           | 1.11              | د الغر         | Carro -        | H, V it gent in                |
|           |                         | 1                        |                           |                                  |                                |                   |                |                |                                |
|           |                         |                          |                           |                                  |                                |                   |                | 6              |                                |
| <u> </u>  |                         |                          |                           |                                  |                                |                   | 20             |                |                                |
|           |                         |                          |                           |                                  |                                |                   |                |                |                                |
|           |                         |                          |                           |                                  |                                |                   |                | Purdo data     |                                |
| AMP       | LING DA                 | TA                       |                           | 12 III<br>13 III                 | 2 X                            |                   |                | Cessi          | continued on next sheet?       |
| ethod(s)  | ): Dentri               | er. Size:<br>lugal Pump  |                           | Bladder Pump (<br>Pump (Discrete | 2" Sub. Pump                   | 0 4* Sub. Pt      | ump            | Geoche         | emical Analyses                |
| aterials: | Pump/Bailer             | D Polyethyle             | ne 🗆 Stainl               |                                  | aiuitrumpi⊒<br>ITeflon® ⊡      | Other:            |                | Ferrous        | iron: mg/L                     |
| ateriale  | Tubing/Pone             | Dedicated     Polyethyla | Prep                      | ared Off-Site                    | Field-Cleaned                  | Disposab          | le             | DO:            | mg/L                           |
|           | - uping/hope            | Dedicated                |                           | ed Off-Site                      | llon® 🛛 Nylon<br>Field-Cleaned | Other: Disposable |                | Nitrate:       | mg/L                           |
| pun to M  | Vater at Time of        | of Sampling              | ):                        | Fi                               | eld Filtered?                  | □ Yes □           | No             | Sulfate:       | ma/L                           |
| mple ID:  | S Strain S              | ample Date               | al a regul                | _ Sample Tim                     | e: 1725                        | # of Container    | rs:            | Alkalinit      |                                |
| uinment   | ample Collect           | ed? 🗆 Ye                 | s et No                   | ID:                              |                                | of Container      | s:             |                | · / ///g/L                     |
|           | Diank Collecte          | ed? 🗆 Ye                 | s 🗹 No                    | ID:                              | H                              | of Containers     | s:             |                |                                |
| upment    |                         |                          |                           |                                  |                                |                   |                |                |                                |
|           | ENTS                    | 1,24,25                  |                           | .a                               |                                | 202               |                |                |                                |
|           | ENTS                    |                          | _                         |                                  |                                |                   |                |                |                                |
|           | ENTS                    |                          |                           |                                  |                                |                   |                |                |                                |
|           | ENTS                    | vell condition,          | odor, preser              | nce of NAPL, or                  | other items not                | on the field data | sheet          | 4              |                                |

CALDWELL WELL ID: 605 Clinkscales Rd

| URC         | JE DATA                 | OH         | p Spec. Cond.  | ORP                    | DO                        | Turbidity | Water Level | Comments                              |
|-------------|-------------------------|------------|----------------|------------------------|---------------------------|-----------|-------------|---------------------------------------|
| ne          | Cum. Gallons<br>Removed | +0.1 su ±2 | C +> of ±3% or | > of ±10% or<br>+20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  |             |                                       |
|             | (gal)                   | +4)        | ·±10 µ0/011    |                        |                           | i —       |             |                                       |
| 11          | 4                       |            |                | 6                      |                           |           |             |                                       |
|             | 1                       |            |                | 1                      |                           |           |             |                                       |
|             |                         | E 11 - C   |                |                        | 1                         |           | 1           |                                       |
|             |                         |            |                |                        |                           |           |             |                                       |
|             |                         |            |                |                        | 200                       |           |             |                                       |
|             |                         |            |                |                        |                           |           | 1           |                                       |
|             |                         |            |                |                        |                           |           |             | 0                                     |
| Colored and |                         |            |                |                        | 1                         |           |             |                                       |
|             | 1992 N. 10              |            |                |                        |                           |           |             |                                       |
| ÷.          | • • •                   |            |                | 1                      |                           | 1         |             |                                       |
|             |                         |            |                | <u></u>                |                           |           |             |                                       |
|             |                         |            |                |                        |                           |           |             |                                       |
|             |                         | =          |                |                        |                           |           |             |                                       |
|             |                         |            |                |                        |                           |           |             |                                       |
|             |                         | 11         | 143            |                        |                           |           | _           | · · · · · · · · · · · · · · · · · · · |
| •           |                         |            |                | 17 P                   |                           |           |             |                                       |
|             |                         |            |                | 1 2 3                  | 1                         | 6         |             |                                       |
|             |                         |            |                |                        |                           |           |             |                                       |
|             | 76 vě                   |            |                |                        |                           |           |             |                                       |
|             |                         |            |                |                        |                           | 1         |             |                                       |
| ň           |                         |            |                |                        |                           |           |             |                                       |
|             |                         |            |                |                        |                           |           |             |                                       |
|             |                         |            |                |                        |                           |           |             |                                       |
|             | 1                       |            |                |                        |                           |           |             |                                       |
|             |                         |            |                |                        |                           |           |             | E E                                   |
|             |                         |            |                |                        |                           | 1         | · · · ·     |                                       |
|             |                         |            |                |                        |                           |           |             |                                       |
|             |                         |            |                |                        | ñ [ 2                     |           |             |                                       |
| 24.1        |                         |            |                |                        | 1                         |           |             |                                       |
|             | - 1                     |            |                | 1                      | 3                         |           | 4           |                                       |



WELL ID: 115 Elrod Rd

| <u> </u>               | ct Number: <u>1</u>                         | 38670                | Task M                  | lumber: <u>300</u>                    | .003                        | Area of C                                | onçern:         |                 |                                   |
|------------------------|---------------------------------------------|----------------------|-------------------------|---------------------------------------|-----------------------------|------------------------------------------|-----------------|-----------------|-----------------------------------|
| Client                 | : Owens Co                                  | orning               |                         | · · · · · · · · · · · · · · · · · · · |                             | Personne                                 | 1: V3/4,1       | 3.43            | 0                                 |
| Projec                 | ct Location: A                              | nderson.             | <u>South</u>            | Carolina                              |                             | Weather:                                 | OF,C            | le              |                                   |
| 2. WE                  | LL DATA                                     |                      | Date                    | Measured:                             |                             | Time:                                    |                 | Te              |                                   |
| Casin                  | g Diameter:                                 |                      | inches                  | Туре: 🖸                               | PVC 🛛 Stain                 | less 🛛 Galv. S                           | teel 🖸 Tellon   | B I Olher:      |                                   |
| Scree                  | n Diameter:                                 | <u> </u>             | inches                  | Туре: 🗅                               | PVC 🗳 Stain                 | less 🛛 Galv. S                           | teel 🛈 Teflore  | B 🖵 Other: _    |                                   |
| Total I                | Depth of Well:                              |                      | feet                    | From: 🖸                               | Top of Well Ca              | sing (TOC)                               | Top of Protec   | ctive Casing    | Other:                            |
| Depth                  | to Static Wate                              | er:                  | feet                    | From: 🛛                               | Top of Well Ca              | sing (TOC)                               | Top of Protec   | tive Casing     | Olher:                            |
| Depth                  | to Product:                                 |                      | feet                    | From: 🛛                               | Top of Well Ca              | sing (TOC)                               | Top of Protec   | tive Casing     | □ Other:                          |
| Length                 | or water Coli                               | umn:                 | feet                    | Well Volur                            | ne:                         | gal                                      | Screened        | Interval (from  | m GS):                            |
| . PUR                  | GE DATA                                     | A                    | Date F                  | Purgod: 10                            | And It                      |                                          | 167 gal/ft 4-in | well = 0.667 g. | al/ft    6-in well = 1.469 gal/ft |
| Purge I                | Method:                                     | Bailer, Size:        |                         | U Bladder Pur                         | mp 🗆 2" Sub.                | Hme:<br>Pump0_4".Su                      | ih Rump         | ,               | Equipment Model(s)                |
| Mataria                |                                             | IT Polye             | np 🖸 Peris              | taltic Pump                           | Inertial Lift Pum           | p 🖸 Olher:                               |                 | 1. 1            | SI 535 MD                         |
| wateria                | us: Pump/Baile                              | Dedic.               | ated U                  | Prepared Off-Si                       | te U Teflon®                | Other:                                   | osable          | 2. Z            | RT-ISCE                           |
| Materia                | ls: Rope/Tubir                              | ng 🖾 Polyet          | hylene 🖸 F<br>ated 🛄 Pr | olypropylene                          | Teflon® [] [<br>Eield-Clear | Nylon D Other:                           |                 | 3               |                                   |
| Volume                 | to Purge (min                               | imum):               | well                    | volumes or                            |                             | dallons                                  | aole            | 4               |                                   |
| Was we                 | ell purged dry?                             | 🛛 Yes                | U No                    | Pumping R                             | ate:                        | gal/min                                  | 2 · · ·         |                 | Calibrated?                       |
| Time                   | Cum. Gallons                                | pH                   | Тетр                    | Spec. Cond                            | . ORP                       | DO                                       | Turbidity       |                 | 1                                 |
|                        | (gal)                                       | ±0.1 su              | ±2°C                    | > of ±3% or<br>±10 µS/cm              | > of ±10% o<br>±20 mV       | <pre>&gt; of ±10% or<br/>±0.2 mg/L</pre> | ≤ 10 NTU        | Water Level     | Comments                          |
| <del>950</del>         | 5.0                                         | 5.32                 | 18.55                   | 0.031                                 | 236.4                       | 9.62                                     | 0.78            |                 |                                   |
|                        |                                             |                      |                         | ·                                     |                             | -                                        |                 |                 |                                   |
| 3                      | а II<br>I I I I I I I I I I I I I I I I I I |                      |                         |                                       |                             |                                          |                 |                 |                                   |
|                        |                                             |                      |                         |                                       |                             |                                          |                 |                 |                                   |
|                        |                                             |                      |                         | <u></u>                               |                             |                                          |                 |                 |                                   |
|                        | i                                           | 1                    |                         |                                       |                             |                                          |                 |                 | 1.1.1.1                           |
| SAMP                   |                                             | ТА                   |                         |                                       | - 76                        |                                          | -               | Purge data      | continued on next sheet?          |
| Vethod(s               | ). 🗆 Baile                                  | er, Size:            | a                       | Bladder Pump                          | 17 2" Sub Bue               |                                          | 5.0             | Geoch           | emical Analyses                   |
|                        | Centri                                      | fugal Pump           | 🗇 Peristalti            | c Pump Li Iner                        | tial Lift Pump C            | Other:                                   |                 | Ferrou          | s Iron:mg/L                       |
| laterials:             | Pump/Bailer                                 | Dedicated            | ene U Staii<br>J D Pre  | pared Off-Site                        | Teflon®<br>Field-Cleane     | Other:<br>d                              | ble             | DO:             | ma/L                              |
| laterials:             | Tubing/Rope                                 | Polyethyle Dedicated | ene 🖸 Poly<br>I 🖸 Prena | propylene                             | eflon® 🗆 Nylo               | n 🖸 Other:                               |                 | Nitrate:        | mal                               |
| epth to y              | Vater at Time                               | of Sampling          | g:                      | F                                     | Field Filtered?             |                                          | No              | Sulfate         |                                   |
| ample ID               |                                             | ample Date           | e:Dingo                 | <u>1</u> Sample Tir                   | ne: 1750                    | # of Containe                            | NO 2            | Allialia:       | -/ mg/L                           |
|                        | Sample Collec                               | ted? 🗆 Ye            | s er No                 | ID:                                   |                             | # of Containe                            | rs:             | Aikalinit       | y: _/\mg/L                        |
| uplicate               | Blank Collect                               | ed? 🗅 Ye             | s I No                  | ID:                                   |                             | # of Containe                            | rs;             |                 |                                   |
| uplicate :<br>quipment |                                             |                      |                         |                                       |                             |                                          |                 | ····· •         |                                   |
| quipment               | ENTS                                        |                      |                         |                                       |                             |                                          |                 |                 |                                   |

1-25->



WELL ID: 115 Elrod Rd

|     | GE DATA                 | 10011010       | Form     | Spec. Cond. | ORP          | DO               | Turbidity                                                                                                       | -           | *                      |
|-----|-------------------------|----------------|----------|-------------|--------------|------------------|-----------------------------------------------------------------------------------------------------------------|-------------|------------------------|
| ine | Cum. Gallons<br>Removed | рн             | - Temp   | > of ±3% or | > of ±10% or | > of ±10% or     | ≤ 10 NTU                                                                                                        | Water Level | Comments               |
|     | (gal)                   | E0.1 SU        |          | ±10 µS/cm   | E20 mV       | <u>F0.2 mg/C</u> |                                                                                                                 |             |                        |
|     | 1                       | 3              |          |             |              | 1                |                                                                                                                 | 1           |                        |
|     | 10                      | 1              |          |             |              |                  |                                                                                                                 |             |                        |
|     |                         |                |          | 1           |              |                  |                                                                                                                 | 1           |                        |
|     | 1                       |                |          |             | 1            |                  |                                                                                                                 | 1           |                        |
|     |                         | 4              |          |             |              | 1                |                                                                                                                 | 1           |                        |
|     |                         |                |          | 1           | 1            |                  |                                                                                                                 |             |                        |
|     |                         |                |          | 1           | 1            |                  | 1                                                                                                               |             |                        |
|     |                         |                |          | 1           |              |                  |                                                                                                                 |             |                        |
|     |                         | 1              |          | 1           |              |                  |                                                                                                                 | L.          |                        |
|     |                         |                |          | 1           |              | 4                |                                                                                                                 |             | 0.05                   |
|     | 1.17                    |                |          | -           |              |                  |                                                                                                                 |             |                        |
|     |                         | 1              |          | 1           |              |                  |                                                                                                                 |             |                        |
|     |                         |                |          |             | -            |                  | 1                                                                                                               |             |                        |
|     |                         |                |          |             |              | 1                |                                                                                                                 |             |                        |
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|     |                         |                |          |             |              | •                | × = 1                                                                                                           |             | 3 4                    |

| BROWN<br>CALDW                                                                                     |                                                                                                                                                              | grou<br>(Ell Id                                                                                                               | <b>NDWA</b>                                                                                                     | TER SA                                                                                                           | MPLIN                                                                                                                         | G FIEL                                                 | D DATA                                                         | A SHEET                                                                           |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 1. PROJECT<br>Project Numbe<br>Client: <u>Owen</u><br>Project Locatio                              | INFORM<br>r: <u>138670</u><br>s Corning<br>n: Anderson                                                                                                       | ATION<br>                                                                                                                     | mber: <u>300.</u>                                                                                               | 003                                                                                                              | Area of Co<br>Personnel:                                                                                                      | vicern:<br>VBA.B.                                      | ß                                                              |                                                                                   |
| 2. WELL DA<br>Casing Diamete<br>Screen Diamete<br>Total Depth of V<br>Depth to Static              | TA<br>er:i<br>er:i<br>Vell:i<br>Water:                                                                                                                       | Date M<br>inches<br>feet<br>feet                                                                                              | leasured:<br>Type: اله ۲<br>Type: ۲<br>From: ۲<br>From: ۲                                                       | PVC LI Stainle<br>PVC LI Stainle<br>Fop of Well Cas                                                              | Weather:<br>Time:<br>ass Li Galv. Ste<br>ass Li Galv. Ste<br>sing (TOC) Li<br>asing (TOC) Li                                  | eel I Teflorid<br>ael I Teflorid<br>Top of Protect     |                                                                | nporany Well: 山Yes 山No<br><br>I Other:                                            |
| Length of Water<br>3. PURGE D/<br>Purge Method:                                                    | Column:<br>ATA<br>Bailer, Size:<br>Centrifugal Pur                                                                                                           | _feet<br>_feet<br>Date Pu                                                                                                     | Well Volum<br>Note: 1-in we<br>Irged: (OA<br>Bladder Pum<br>Itic Pump D Ir                                      | lop of Well Cas<br>He:<br>H = 0.041 gal/ft<br>y //<br>y //<br>p □ 2" Sub. F<br>hertial Lift Pump                 | ing (TOC) □<br>gal<br>Time:<br>Pump □ 4" Sut<br>o □ Other:                                                                    | Top of Protec<br>Screened<br>67 gal/lt 4-in<br>5. Pump | Interval (from well = 0.667 gal                                | GS):<br>GS):<br>//t 6-in well = 1169 gal//t<br>Equipment Model(s)<br>SI 556 /// 5 |
| Materials: Pump<br>Materials: Rope/<br>Volume to Purge<br>Was well purged<br>Cum. Ga<br>Time Remov | /Bailer ☐ Polye<br>☐ Dedic<br>Tubing ☐ Polye<br>☐ Dedic<br>(minimum):<br>dry? ☐ Yes<br>allonspH<br>/ed                                                       | thylene D Po<br>thylene D Po<br>ated D Prep<br>well v<br>D No<br>Temp                                                         | Anness LI PVC<br>repared Off-Site<br>lypropylene Lipared Off-Site<br>rolumes or<br>Pumping Ra<br>Spec. Cond.    | C Teflon®<br>e □ Field-Cle<br>] Teflon® □ N<br>□ Field-Clean<br>                                                 | Other: aned Dispo<br>lylon Other:_<br>ed Disposa<br>gallons<br>gal/min<br>DO                                                  | bsable<br>ble<br>Turbidity                             | 2<br>3<br>4                                                    | Calibrated?                                                                       |
| (gai                                                                                               | 9 ±0.1 su<br>9.72                                                                                                                                            | ±2°C<br> 9,44                                                                                                                 | ±10 µS/cm<br>O.043                                                                                              | ±20 mV<br><u></u> <i>∓</i> .51 ≤                                                                                 | ±0.2 mg/L                                                                                                                     | ≤ 10 NTU<br>1 <b>2.40</b>                              |                                                                |                                                                                   |
| 4. SAMPLING                                                                                        | DATA                                                                                                                                                         |                                                                                                                               |                                                                                                                 |                                                                                                                  |                                                                                                                               |                                                        | Purge data o                                                   | continued on next sheet?                                                          |
| Method(s):                                                                                         | Bailer, Size:<br>Centrilugal Pump<br>ailer    Polyethy<br>   Dedicate<br>Rope    Polyethy<br>   Dedicate<br>Time of Samplin<br>Sample Da<br>Collected?    Yi | Peristaltic<br>lene Staint<br>d Prep<br>lene Polypi<br>d Prepare<br>ng:<br>te/ <b>266</b><br>es <b>1</b> No<br>es <b>1</b> No | Bladder Pump<br>Pump 🗆 Inerti<br>ess 🗆 PVC 🖸<br>ared Off-Site<br>ed Off-Site 🗆<br>F<br>Sample Tim<br>ID:<br>ID: | 2" Sub. Purr<br>ial Lift Pump C<br>Field-Cleane<br>Field-Cleaned<br>Field-Cleaned<br>Field Filtered?<br>me: 1300 | Ap (1) 4" Sub. P<br>Other:<br>Other:<br>d Disposate<br>Disposable<br>Ves 1<br># of Containe<br># of Containe<br># of Containe | No<br>rs: 2<br>rs: 1                                   | Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity | mical Analyses<br>Iron: mg/L<br>mg/L<br>mg/L<br>:: mg/L                           |
| 5. COMMENTS                                                                                        | ch as well conditio                                                                                                                                          | on. odor, prese                                                                                                               | nce of NAPL, o                                                                                                  | r other items no                                                                                                 | ot on the field dat                                                                                                           | a sheet.                                               |                                                                |                                                                                   |



WELL ID: 1303 Clinkscales Rd

| . 0.10       | Our Callone | 0H . •  | Femo .   | Spec. Cond.                           | ORP                    | DO                        | Turbidity | 1           | 5                                       |
|--------------|-------------|---------|----------|---------------------------------------|------------------------|---------------------------|-----------|-------------|-----------------------------------------|
| Fiine        | Removed     | ±0.1 su | ±2'C     | > of ±3% or                           | > of ±10% or<br>+20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level | Comments                                |
|              | (ju)        | •<br>•  | <u> </u> | . ±10 μ3/cm                           | .20 111                |                           |           |             |                                         |
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| 3.8 <b>9</b> | · ?? * ? »  |         |          |                                       | <br>                   | 1                         |           |             |                                         |
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WELL ID: 119 Cloverhill Dr

| l number                                                                                                    | OJECII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                               | Area of C                                                                                    | oncern.                        |                                            |                                         |
| Client                                                                                                      | t: <u>Owens C</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | orning                                                                                                      |                                                                                                                                                                                        | - 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S                                                                                | iteel ü Teflon                 | Temp<br>ඔ⊡ Other:                          | oorary Well: UYes ⊔N                    |
| Scree                                                                                                       | n Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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S                                                                                | teel 🔲 Tellon                  | 0 🗐 Other                                  |                                         |
| Total I                                                                                                     | Depth of Well:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| Depth                                                                                                       | to Static Wat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| Depth                                                                                                       | to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| Length                                                                                                      | 1 of Water Col                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                               | gal                                                                                          | Screened                       | Interval (from (                           | GS)·                                    |
|                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ll = 0.041 gal/ft                                                                | 2-in well = 0.                                                                               | 167 gal/lt 4-in                | well = 0.667 gal/f                         | t 6-in well = 1.469 gal/lt              |
|                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A<br>Bailer, Size                                                                                           | Date P                                                                                                                                                                                 | urged: /                                                                                         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                               | _ Time:                                                                                      |                                |                                            | Equipment Model(s)                      |
| Purge                                                                                                       | Method: uc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                               | ²ump □ 4" St<br>→ □ Other:                                                                   | Jb. Pump                       | 1. <u>YS</u>                               | I 356 MPS                               |
| Materia                                                                                                     | ils: Pump/Bail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                               | Other: aned UD Diar                                                                          |                                | 2. D                                       | RT-15CE                                 |
| Materia                                                                                                     | ıls: Rope/Tubi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| SAMF<br>Method(s<br>Materials:                                                                              | ): 🖾 Bai<br>Centr<br>Pump/Bailer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| SAMF<br>Method(s<br>Materials:<br>Materials:                                                                | ):<br>C Centr<br>Pump/Bailer<br>Tubing/Rope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to V                                                  | ): 🖵 Bai<br>Centi<br>Pump/Bailer<br>Tubing/Rope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to V<br>Sample 10                                     | ): Denti<br>Control<br>Pump/Bailer<br>Tubing/Rope<br>Vater at Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to y<br>Sample ID<br>Duplicate                        | ): D Bai<br>D Centu<br>: Pump/Bailer<br>Tubing/Rope<br>Nater at Time<br>Clover h<br>Sample Collec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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Nylor<br>Field-Cleaned<br>field Filtered?<br>field      | Other:<br>Disposable<br>Disposable<br>Yes<br># of Containe                                   | No<br>ers: 2                   | DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity: | mg/L<br>mg/L<br>mg/L                    |
| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to y<br>Sample 10<br>Duplicate s                      | ): D Bai<br>D Centu<br>: Pump/Bailer<br>Tubing/Rope<br>Nater at Time<br><u>Cover his</u><br>Sample Collect<br>t Blank Collect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Polyethyl     Polyethyl     Dedicate     Polyethyl     Dedicate     f Samplin     Sample Dat     ted?    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| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to V<br>Sample ID<br>Duplicate s<br>Equipment         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Polyethyl Polyethyl Polyethyl Polyethyl Dedicate of Samplin Sample Dat tted? 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| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to y<br>Sample ID<br>Duplicate s<br>Equipment         | Carlos Control  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlos  Carlo                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Polyethyl Polyethyl Polyethyl Polyethyl Dedicate Polyethyl Dedicate of Samplin Sample Dat cted? 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| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to V<br>Sample ID<br>Duplicate s<br>Equipment         | Carlos Bai<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control | Polyethyl Polyethyl Polyethyl Polyethyl Dedicate Polyethyl Dedicate of Samplin Sample Dat ted? 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| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to y<br>Sample ID<br>Duplicate s<br>Equipment<br>COMM | Carlos Bai<br>Carlos Centri<br>Pump/Bailer<br>Tubing/Rope<br>Nater at Time<br>Clove hi<br>Sample Collect<br>Blank Collect<br>ENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Polyethyl Polyethyl Polyethyl Polyethyl Polyethyl Dedicate of Samplin Sample Dat ted? 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WELL ID: 119 Cloverhill Dr

| PUR      | <u>GE DATA</u>   | (continu    | ea from | i page                    |                        |                             | Turbidity  | . t         |            |
|----------|------------------|-------------|---------|---------------------------|------------------------|-----------------------------|------------|-------------|------------|
|          | Cum. Gallons     | р <b>Н.</b> | femp •  | Spec. Cond.               | ORP                    | 00                          | Turbially  | Water Level | Comments   |
| Time     | Removed<br>(gal) | ±0.1 su     | ±2°C    | > of ±3% or<br>*±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L   | ≤ 10 NTU   |             |            |
|          |                  | 1           |         |                           | Ĩ.                     |                             |            | d i         |            |
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4.) · · ·

Purge data continued on next sheet?

A. .



WELL ID: 412 Kaye Dr

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| Projec                                                                                           | t Number: 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 38670                                                                                                              | Task Ni                                                                                                                                               | mber: 300 (                                                                                                                 | 203                                                                                                                 |                                                                                                                                  | 2                                               |                                                                              |                                                             |
| Client                                                                                           | : Owens Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | rnina                                                                                                              |                                                                                                                                                       |                                                                                                                             |                                                                                                                     | _ Area of Co                                                                                                                     | ncern:                                          |                                                                              |                                                             |
| Projec                                                                                           | t Location: An                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | iderson.                                                                                                           | South C                                                                                                                                               | arolina                                                                                                                     |                                                                                                                     | Personnel:                                                                                                                       | 10-12 1                                         | <u>)</u>                                                                     |                                                             |
|                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                    |                                                                                                                                                       |                                                                                                                             |                                                                                                                     | veather:                                                                                                                         |                                                 | la                                                                           |                                                             |
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| Casing                                                                                           | Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ji                                                                                                                 | nches                                                                                                                                                 | lype: UP                                                                                                                    | VC 🔄 Stainle                                                                                                        | ss 🖸 Galv. Ste                                                                                                                   | el 🛛 Fefloria                                   | 0 🛛 Olher:                                                                   |                                                             |
| Screer                                                                                           | n Diameter:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                    | nches                                                                                                                                                 | Туре: цр                                                                                                                    | VC 🛛 Stainle                                                                                                        | ss 🛛 Galv. Ste                                                                                                                   | el 🖸 Tefloria                                   | 0 🛈 Other:                                                                   |                                                             |
| Total L                                                                                          | Depth of Well:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                    | feet                                                                                                                                                  | דני :<br>-                                                                                                                  | op of Well Cas                                                                                                      | ing (TOC)                                                                                                                        | Top of Protec                                   | tive Casing                                                                  | Other:                                                      |
| Depth                                                                                            | to Static Water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | :                                                                                                                  | _feet                                                                                                                                                 | From: 🗅 T                                                                                                                   | op of Well Casi                                                                                                     | ing (TOC) 🖾                                                                                                                      | Top of Protec                                   | tive Casing                                                                  | ] Other:                                                    |
| Depth                                                                                            | to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                    | _feet                                                                                                                                                 | From: 🗅 T                                                                                                                   | op of Well Casi                                                                                                     | ing (TOC)                                                                                                                        | Top of Protec                                   | tive Casing                                                                  | ] Other:                                                    |
| Length                                                                                           | of Water Colur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | mn:                                                                                                                | _feet                                                                                                                                                 | Well Volum                                                                                                                  | e:                                                                                                                  | gal                                                                                                                              | Screened                                        | Interval (from                                                               | GS):                                                        |
|                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                    |                                                                                                                                                       |                                                                                                                             | i ≈ 0.041 gal/h                                                                                                     | 2-in well = 0.1                                                                                                                  | 67 gal/ft 4-in                                  | well = 0.667 ga                                                              | l/ft 6-iп well = 1.469 gal/ft                               |
| Duran (                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ailer. Size:                                                                                                       | Date Pi                                                                                                                                               | Irged:                                                                                                                      | n D 25 0.4 0                                                                                                        | _ Time:                                                                                                                          |                                                 |                                                                              | Equipment Model(s)                                          |
| Purger                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | trifugal Pun                                                                                                       | np 🛛 Perist                                                                                                                                           | altic Pump 🖸 In                                                                                                             | ertial Lift Pump                                                                                                    | ump U 4" Sut                                                                                                                     | o. Pump                                         | 1. <u> </u>                                                                  | 52 555115                                                   |
| Materia                                                                                          | ls: Pump/Baile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | r 🛄 Polyet                                                                                                         | ihylene 🖸 Si<br>ated 🖂 🕄 F                                                                                                                            | ainless 🖸 PVC<br>repared Off-Site                                                                                           |                                                                                                                     | Other:                                                                                                                           |                                                 | 2                                                                            | DRT-ISCE                                                    |
| Materia                                                                                          | ls: Rope/Tubing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | a D Polyet                                                                                                         | hylene 🖸 Pr                                                                                                                                           | lypropylene                                                                                                                 | Teflon® L1 N                                                                                                        | vlon 🖸 Olher                                                                                                                     | DSable                                          | 3.                                                                           |                                                             |
| Volumo                                                                                           | to Duran (mint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <sup>3</sup> Dedica                                                                                                | ated 🛄 Prej                                                                                                                                           | pared Off-Site                                                                                                              | G Field-Cleane                                                                                                      | ed 🖸 Disposa                                                                                                                     | ble                                             | 4                                                                            |                                                             |
| Waswe                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | mum):                                                                                                              | well v                                                                                                                                                | olumes or                                                                                                                   | ·                                                                                                                   | gallons                                                                                                                          |                                                 | T                                                                            |                                                             |
| vvas we                                                                                          | Cum Gallons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DH DH                                                                                                              |                                                                                                                                                       | Pumping Ha                                                                                                                  | te:                                                                                                                 | gal/min                                                                                                                          |                                                 |                                                                              | Calibrated? Yes                                             |
| Time                                                                                             | Removed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    | remp                                                                                                                                                  | > of ±3% or                                                                                                                 | OHP                                                                                                                 | DO                                                                                                                               | Turbidity                                       | Water Loval                                                                  | Comments                                                    |
|                                                                                                  | (gal)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ±0.1 su                                                                                                            | ±2°C                                                                                                                                                  | ±10 µS/cm                                                                                                                   | ±20 mV                                                                                                              | ±0.2 mg/L                                                                                                                        | ≤ 10 NTU                                        | Trater Lever                                                                 | Comments                                                    |
| 710                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 551                                                                                                                | 21.36                                                                                                                                                 | 0.043                                                                                                                       | 204.5                                                                                                               | 8.51                                                                                                                             | 232                                             |                                                                              |                                                             |
|                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | i i c <sub>e</sub> c                                                                                               |                                                                                                                                                       |                                                                                                                             |                                                                                                                     |                                                                                                                                  |                                                 |                                                                              |                                                             |
| $=$ $\overline{\pi}$                                                                             | 15.57.54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                    |                                                                                                                                                       |                                                                                                                             |                                                                                                                     |                                                                                                                                  |                                                 |                                                                              |                                                             |
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| SAMF                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ГА                                                                                                                 |                                                                                                                                                       |                                                                                                                             |                                                                                                                     |                                                                                                                                  |                                                 | Purge data                                                                   | continued on next sheet?                                    |
| SAMF<br>Method(s                                                                                 | PLING DAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ΓA<br>r, Size:                                                                                                     |                                                                                                                                                       | Bladder Pump                                                                                                                | □ 2" Sub. Pum                                                                                                       | p 🖸 4" Sub. P                                                                                                                    | ump                                             | Purge data                                                                   | continued on next sheet? C<br>emical Analyses<br>/          |
| SAMF<br>Method(s                                                                                 | PLING DAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TA<br>r, Size:<br>ugal Pump<br>□ Polvethvl                                                                         | U<br>Peristaltic<br>ene Stain                                                                                                                         | Bladder Pump<br>Pump 🖸 Inerti                                                                                               | □ 2" Sub. Pum<br>al Lift Pump □                                                                                     | p                                                                                                                                | ump                                             | Purge data<br><u>Geoche</u><br>Ferrous                                       | continued on next sheet? C<br>emical Analyses<br>Iron: mg/L |
| SAMF<br>Method(s<br>Materials:                                                                   | PLING DAT<br>): D Baile<br>Centrifi<br>: Pump/Bailer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TA<br>r, Size:<br>ugal Pump<br>□ Polyethyl<br>□ Dedicated                                                          | Peristaltic ene      Stain d     Pre                                                                                                                  | Bladder Pump<br>Pump 🗆 Inerti<br>less 🗆 PVC 🗖<br>pared Off-Site                                                             | □ 2" Sub. Pum<br>al Lift Pump □<br>〕 Teflon® □<br>□ Field-Cleane                                                    | p 🛛 4" Sub. P<br>Other:<br>Other:<br>d 🖵 Disposat                                                                                | ump                                             | Purge data<br><u>Geoche</u><br>Ferrous<br>DO:                                | continued on next sheet?                                    |
| SAMF<br>Method(s<br>Materials:<br>Materials:                                                     | PLING DAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | r, Size:<br>ugal Pump<br>Delyethyl<br>Dedicated<br>Polyethyl<br>Dedicated                                          | Peristaltic<br>ene DStain<br>d DPrep<br>ene DPlyp<br>1 DPrepar                                                                                        | Bladder Pump<br>Pump Inerti<br>less PVC I<br>ared Off-Site<br>ropylene I Te<br>ed Off-Site                                  | □ 2" Sub. Pum<br>al Lift Pump □<br>□ Teflon® □<br>□ Field-Cleane<br>field-Cleaned                                   | p                                                                                                                                | ump                                             | Purge data<br><u>Geoche</u><br>Ferrous<br>DO:<br>Nitrate:                    | continued on next sheet?                                    |
| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to V                                       | PLING DAT<br>Baile<br>Centrifi<br>Pump/Bailer<br>Tubing/Rope<br>Water at Time c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | r, Size:<br>ugal Pump<br>□ Polyethyl<br>□ Dedicated<br>□ Polyethyl<br>□ Dedicated<br>↓ Samplin                     | Peristaltic<br>ene DStain<br>d Prep<br>ene Polyp<br>1 Prepar<br>g:                                                                                    | Bladder Pump<br>Pump I Inerti<br>less PVC Dared Off-Site<br>ropylene I Te<br>ed Off-Site                                    | 2" Sub. Pum<br>al Lift Pump<br>Field-Cleane<br>filon® Nylor<br>Field-Cleaned                                        | p I 4" Sub. P<br>Other:<br>d I Disposati<br>Other:<br>Disposable                                                                 | ump<br>ble                                      | Purge data<br><u>Geoche</u><br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:        | continued on next sheet?                                    |
| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to N<br>Gample IE                          | PLING DAT<br>Baile<br>Centrific<br>Pump/Bailer<br>Tubing/Rope<br>Water at Time of<br>Caller<br>Caller<br>Caller<br>Caller<br>Caller<br>Control<br>Caller<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control<br>Control | r, Size:<br>ugal Pump<br>Delyethyl<br>Dedicated<br>Dedicated<br>Dedicated<br>Samplin<br>ample Dat                  | Peristaltic<br>ene Stain<br>d Prep<br>ene Polyp<br>J Prepar<br>g:<br>g:<br>g:                                                                         | Bladder Pump<br>Pump Inerti<br>less PVC I<br>pared Off-Site<br>ropylene I Te<br>ed Off-Site I<br>F<br>Sample Tin            | 2" Sub. Pum<br>al Lift Pump<br>Feldor®<br>Field-Cleaned<br>Field-Cleaned<br>field Filtered?<br>The: /720            | p 24" Sub. P<br>Other:<br>Other:<br>d Disposation<br>Disposable<br>Disposable<br>Ves 2<br># of Contained                         | ump<br>ble<br>No<br>rs: 2                       | Purge data<br><u>Geoche</u><br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:        | continued on next sheet?                                    |
| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to V<br>Sample IE<br>Duplicate             | PLING DAT<br>Baile<br>Centrifi<br>Pump/Bailer<br>Tubing/Rope<br>Mater at Time of<br>Cater at Time of<br>Sample Collect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TA<br>ugal Pump<br>Polyethyl<br>Dedicated<br>Polyethyl<br>Dedicated<br>Samplin<br>ample Dat<br>ed?                 | Peristaltic<br>ene Distain<br>d Prep<br>ene Polyp<br>d Prepar<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:           | Bladder Pump<br>Pump Inerti<br>less PVC Dared Off-Site<br>ropylene Te<br>ed Off-Site F<br>F<br>Sample Tin<br>ID:            | 2" Sub. Pum<br>al Lift Pump<br>Field-Cleane<br>filon® Nylor<br>Field-Cleaned<br>ield Filtered?<br>ne: <u>1720</u>   | p 2 4" Sub. P<br>Other:<br>d Disposation<br>Disposable<br>yes 2<br># of Containe<br># of Containe                                | ump<br>ble<br>No<br>rs: 2                       | Purge data<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity | continued on next sheet?                                    |
| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to N<br>Sample IE<br>Duplicate<br>Equipmen | PLING DAT<br>Baile<br>Centrifi<br>Pump/Bailer<br>Tubing/Rope<br>Mater at Time of<br>Sample Collect<br>t Blank Collected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TA<br>r, Size:<br>ugal Pump<br>Delyethyl<br>Delyethyl<br>Dedicated<br>Samplin<br>ample Dat<br>:ed?Ye<br>id?Ye      | Peristaltic<br>ene :: Stain<br>d :: Prep<br>ene :: Polyp<br>d :: Prepar<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g: | Bladder Pump<br>Pump Inerti<br>less PVC I<br>vared Off-Site<br>ropylene I Te<br>ed Off-Site I<br>Sample Tin<br>ID:          | 2" Sub. Pum<br>al Lift Pump<br>Field-Cleane<br>Field-Cleaned<br>Field-Cleaned<br>field Filtered?<br>ne: <u>1720</u> | p 24" Sub. P<br>Other:<br>d Disposat<br>Disposable<br>Disposable<br>Ves 4<br># of Containe<br># of Containe                      | ump<br>ble<br>No<br>rs: <u>2</u><br>rs: <u></u> | Purge data<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity | continued on next sheet?                                    |
| SAMF<br>Method(s<br>Materials:<br>Materials:<br>Depth to V<br>Sample IE<br>Duplicate<br>Equipmen | PLING DAT<br>Baile<br>Centrifi<br>Pump/Bailer<br>Tubing/Rope<br>Vater at Time of<br>Sample Collect<br>t Blank Collecte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TA<br>ugal Pump<br>Polyethyl<br>Dedicated<br>Polyethyl<br>Dedicated<br>Samplin<br>ample Dat<br>ied? Pye<br>Yo      | Peristaltic<br>ene I Stain<br>d I Prepar<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:                                | Bladder Pump<br>Pump 🗆 Inerti<br>less 🗆 PVC 🕞<br>bared Off-Site<br>ropylene 💷 Te<br>ed Off-Site 💷<br>F<br>Sample Tin<br>ID: | 2" Sub. Pum<br>al Lift Pump<br>Field-Cleane<br>filon® Nylor<br>Field-Cleaned<br>ield Filtered?<br>ne: //720         | p ] 4" Sub. P<br>Other:<br>d Disposation<br>Disposable<br>Disposable<br>Ves<br># of Containe<br># of Containe<br># of Containe   | ump<br>ole<br>No<br>rs: <u>2</u><br>rs:         | Purge data<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity | continued on next sheet? C                                  |
| SAMF<br>Method(s<br>Materials:<br>Depth to V<br>Sample IE<br>Duplicate<br>Equipmen               | PLING DAT<br>Baile<br>Centrifi<br>Pump/Bailer<br>Tubing/Rope<br>Mater at Time of<br>Sample Collect<br>t Blank Collected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TA<br>r, Size:<br>ugal Pump<br>Delyethyl<br>Dedicated<br>Samplin<br>ample Dat<br>ied?Ye<br>3d?Ye                   | Peristaltic<br>ene Stain<br>d Prep<br>ene Polyc<br>d Prepar<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:<br>g:                               | Bladder Pump<br>Pump<br>hared Off-Site<br>ropylene<br>ed Off-Site<br>F<br>Sample Tin<br>ID:                                 | □ 2" Sub. Pum<br>al Lift Pump □<br>□ Field-Cleane<br>iflon® □ Nylor<br>Field-Cleaned<br>ield Filtered?<br>ne: 1720  | p [] 4" Sub. P<br>Other:<br>d [] Disposate<br>] Other:<br>] Disposable<br>[] Yes []<br># of Containe<br># of Containe            | ump<br>ble<br>No<br>rs:<br>rs:                  | Purge data<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity | continued on next sheet?                                    |
| SAMF<br>Method(s<br>Materials:<br>Vaterials:<br>Depth to V<br>Sample IE<br>Duplicate<br>Equipmen | PLING DAT<br>Baile<br>Centrific<br>Pump/Bailer<br>Tubing/Rope<br>Vater at Time of<br>Sample Collect<br>t Blank Collecter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TA<br>ugal Pump<br>Polyethyl<br>Dedicated<br>Polyethyl<br>Dedicated<br>Sample Dat<br>ted? Ye<br>Ye                 | Peristaltic<br>ene I Stain<br>d Prepar<br>g:<br>g:<br>es I No<br>ys I No                                                                              | Bladder Pump<br>Pump 🗆 Inerti<br>less 🗆 PVC 🕞<br>bared Off-Site<br>ed Off-Site 🗆<br>F<br>F<br>Sample Tin<br>ID:<br>ID:      | 2" Sub. Pum<br>al Lift Pump<br>Field-Cleane<br>filon® Nylor<br>Field-Cleaned<br>ield Filtered?<br>he: 1720          | p 2 4" Sub. P<br>Other:<br>d Disposation<br>Disposable<br>Disposable<br>Ves 4<br># of Containe<br># of Containe<br># of Containe | ump<br>ble<br>No<br>rs: <u>2</u><br>rs:         | Purge data<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity | continued on next sheet?                                    |
| SAMF<br>Method(s<br>Materials:<br>Depth to N<br>Sample IE<br>Suplicate<br>Equipmen               | PLING DAT<br>Baile<br>Centrific<br>Pump/Bailer<br>Tubing/Rope<br>Water at Time of<br>Mater at Time of<br>Sample Collect<br>t Blank Collected<br>IENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TA<br>r, Size:<br>ugal Pump<br>Delyethyl<br>Dedicated<br>Samplin<br>ample Dat<br>ied?Ye<br>ad?Ye<br>yell condition | Peristaltic<br>ene :: Stain<br>d ::: Prep<br>ene ::: Polyp<br>d ::: Prepar<br>g::<br>g::<br>g::<br>g::<br>g::<br>g::<br>g::<br>g::<br>g::<br>g:       | Bladder Pump<br>Pump<br>herst<br>hared Off-Site<br>ropylene<br>ed Off-Site<br><br><br><br>ID:<br>ID:                        | □ 2" Sub. Pum<br>al Lift Pump □<br>□ Field-Cleane<br>iflon® □ Nylor<br>Field-Cleaned<br>ield Filtered?<br>ne: 1720  | p 2 4" Sub. P<br>Other:<br>d Disposate<br>Disposable<br>Ves 4<br># of Containe<br># of Containe                                  | ump<br>ble<br>No<br>rs:<br>rs:<br>rs:           | Purge data<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity | continued on next sheet?                                    |



WELL ID: 412 Kaye Dr

| -01  |                  | . Hq    | Femp in | Spec. Cond.               | ORP                    | DO                        | Turbidity |             | Commente  |
|------|------------------|---------|---------|---------------------------|------------------------|---------------------------|-----------|-------------|-----------|
| îme  | Removed<br>(gal) | ±0.1 su | ±2°C    | '> of ±3% or<br>+10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level | Comments  |
|      |                  | 1       |         |                           | 1                      |                           |           | -           |           |
|      |                  |         |         |                           | 1                      | w =                       |           |             |           |
|      |                  |         |         |                           |                        |                           |           | 1           |           |
|      | 1                |         |         |                           |                        |                           |           |             |           |
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|      |                  |         |         | 1                         |                        |                           |           |             |           |
|      | 526<br>2         |         | 2       |                           | 8                      |                           |           |             |           |
|      |                  |         |         | -                         |                        |                           |           |             |           |
| N    |                  |         |         |                           |                        |                           |           |             |           |
|      | 2 · X ·          |         |         |                           |                        |                           |           |             |           |
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|      | -                |         |         | 1                         |                        |                           |           |             |           |
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| а П. |                  | × 54    | 1.1     |                           |                        |                           |           |             |           |
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|      |                  |         | •       |                           | •••                    |                           |           |             | <u></u>   |

Purge data continued on next sheet?

23



WELL ID: 117 Faye Dr

|                                                                                                      | JECT IN                                                                                                              | FORMA                                                                                                                       | ATION                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                      |                                                                                                                                                        |                                |                                                                         |                                             |
|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------|---------------------------------------------|
| Project                                                                                              | t Number: 1                                                                                                          | 38670                                                                                                                       | Task Ni                                                                                                                                                        | umber: 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 003                                                                                                                  | Area of C-                                                                                                                                             | 0001-1                         |                                                                         |                                             |
| Client:                                                                                              | Owens Co                                                                                                             | orning                                                                                                                      |                                                                                                                                                                | <u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                      | Area of Co                                                                                                                                             | 10cern:                        | 13                                                                      |                                             |
| Project                                                                                              | t Location: A                                                                                                        | nderson,                                                                                                                    | South C                                                                                                                                                        | arolina                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ······································                                                                               | Weather:                                                                                                                                               | 104 C                          | la                                                                      |                                             |
| 2. WEI                                                                                               | L DATA                                                                                                               |                                                                                                                             |                                                                                                                                                                | leasured                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                      | T                                                                                                                                                      | - <u>-</u>                     |                                                                         |                                             |
| Casing                                                                                               | Diameter:                                                                                                            | ir                                                                                                                          |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                      | rime:                                                                                                                                                  |                                | Te                                                                      | mporary Well: 🗍Yes 🖾No                      |
| Screen                                                                                               | Diameter:                                                                                                            | "                                                                                                                           | ches                                                                                                                                                           | Type: D P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                      |                                                                                                                                                        |                                | Other:_                                                                 | <u> </u>                                    |
| Total D                                                                                              | epth of Well:                                                                                                        | ······································                                                                                      | feet                                                                                                                                                           | From: םו                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                      | sing (TOC)                                                                                                                                             |                                | Other:                                                                  | <u> </u>                                    |
| Depth t                                                                                              | o Static Wate                                                                                                        |                                                                                                                             | feet                                                                                                                                                           | From:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | op of Well Cas                                                                                                       |                                                                                                                                                        | Top of Protec                  | tive Casing                                                             | Other:                                      |
| Depth t                                                                                              | o Product:                                                                                                           |                                                                                                                             | _ieet                                                                                                                                                          | From: 🖵 T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | op of Well Cas                                                                                                       |                                                                                                                                                        | Top of Protec                  | live Casing                                                             | G Other:                                    |
| Length                                                                                               | of Water Colu                                                                                                        | ımn:                                                                                                                        | feet                                                                                                                                                           | Well Volum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | e:                                                                                                                   | nal (leo)                                                                                                                                              | Sereened                       | lote Casing                                                             | G Other:                                    |
|                                                                                                      |                                                                                                                      | -                                                                                                                           |                                                                                                                                                                | Note: 1-in we                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ll = 0.041 gal/ft                                                                                                    | gai<br>2-in well = 0.1                                                                                                                                 | 67 gal/ft 4-in                 | well = 0.667 g                                                          | m GS):<br>al/ft    6-in well = 1.469 gal/ft |
| I. PUR                                                                                               | GE DATA                                                                                                              | A Contraction                                                                                                               | Date Pr                                                                                                                                                        | urged: 🧷                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Mapl                                                                                                                 | _ Time: _/                                                                                                                                             | 40                             |                                                                         | Equipment Model(s)                          |
| Purge N                                                                                              | /lethod: 🔲 B                                                                                                         | Bailer, Size:<br>ntrifugal Purr                                                                                             | p D Perist                                                                                                                                                     | Bladder Pum<br>altic Pump D Ir                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | p 1 2" Sub. F                                                                                                        | Pump D 4" Sut                                                                                                                                          | o. Pump                        | 1.                                                                      | (SI 556 MPS                                 |
| Material                                                                                             | s: Pump/Baile                                                                                                        | er DPolyeti                                                                                                                 | hylene 🗆 S                                                                                                                                                     | ainless 🖸 PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Teflon®                                                                                                              | Other:     Other:                                                                                                                                      |                                | ··                                                                      | DAT- 150 E                                  |
| Matorial                                                                                             | e: Rone/Tubie                                                                                                        |                                                                                                                             | Nied Lif                                                                                                                                                       | Prepared Off-Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | e 🖾 Field-Cle                                                                                                        | aned Dispo                                                                                                                                             | osable                         |                                                                         | ////                                        |
| material                                                                                             | s. nope/ i ubin                                                                                                      | Dedica                                                                                                                      | ited D Pre                                                                                                                                                     | pared Off-Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | G Field-Clean                                                                                                        | ed Disposa                                                                                                                                             | ble                            | 3                                                                       |                                             |
| Volume                                                                                               | to Purge (min                                                                                                        | imum):                                                                                                                      | well v                                                                                                                                                         | volumes or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                      | gailons                                                                                                                                                |                                | 4                                                                       |                                             |
| Was wel                                                                                              | I purged dry?                                                                                                        | L) Yes                                                                                                                      |                                                                                                                                                                | Pumping Ra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | te:                                                                                                                  | gal/min                                                                                                                                                |                                |                                                                         | Calibrated?                                 |
| Time                                                                                                 | Removed                                                                                                              | μn                                                                                                                          | remp                                                                                                                                                           | > of +3% or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ORP                                                                                                                  | DO                                                                                                                                                     | Turbidity                      | <br> Water Lovo                                                         |                                             |
|                                                                                                      | (gal)                                                                                                                | ±0.1 su                                                                                                                     | ±2°C                                                                                                                                                           | ±10 µS/cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ±20 mV                                                                                                               | ±0.2 mg/L                                                                                                                                              | ≤ 10 NTU                       | vvaler Leve                                                             | Comments                                    |
| 710                                                                                                  | ~5                                                                                                                   | te                                                                                                                          | 22.32                                                                                                                                                          | 0.210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 154.8                                                                                                                | 7.56                                                                                                                                                   | 4.46                           |                                                                         | -1-648                                      |
|                                                                                                      |                                                                                                                      |                                                                                                                             |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                      |                                                                                                                                                        |                                |                                                                         | 1                                           |
|                                                                                                      |                                                                                                                      | 4) (J. 1                                                                                                                    |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                      |                                                                                                                                                        |                                |                                                                         |                                             |
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| SAMP                                                                                                 |                                                                                                                      | TA                                                                                                                          |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                      |                                                                                                                                                        |                                | Purge data                                                              | a continued on next sheet?                  |
| SAMP<br>Method(s)                                                                                    | LING DA                                                                                                              | TA<br>er, Size:<br>fugal Pump                                                                                               | O I                                                                                                                                                            | Bladder Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | □ 2" Sub. Purr<br>al Lift Pump []                                                                                    | np [] 4" Sub. P<br>] Other:                                                                                                                            | ump                            | Purge data                                                              | a continued on next sheet?                  |
| SAMP<br>Vethod(s)<br>vaterials:                                                                      | LING DA<br>Baile<br>Centri<br>Pump/Bailer                                                                            | TA<br>er, Size:<br>fugal Pump<br>□ Polyethyle<br>□ Dedicated                                                                | O I<br>□ Peristaltio<br>ene O Stain<br>0 Prec                                                                                                                  | Bladder Pump<br>Pump 🗅 Inerti<br>less 🗆 PVC 🛛                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2" Sub. Purr<br>al Lift Pump C<br>1 Teflon® C                                                                        | ıp ∐ 4" Sub. P<br>] Other:<br>Other:                                                                                                                   | ump                            | Purge data<br>Geoch<br>Ferrou<br>DO:                                    | a continued on next sheet?                  |
| SAMP<br>Method(s)<br>Materials:<br>Materials:                                                        | LING DA<br>Baik<br>Centri<br>Pump/Bailer<br>Tubing/Rope                                                              | TA<br>er, Size:<br>fugal Pump<br>Dedicatec<br>Polyethyle<br>Polyethyle                                                      | <br>Peristaltic<br>ene Stain<br>1 Prep<br>ene Polyp                                                                                                            | Bladder Pump<br>Pump 🖵 Inerti<br>less 🗆 PVC 💭<br>pared Off-Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | □ 2" Sub. Pum<br>al Lift Pump C<br>I Teflon® □<br>□ Field-Cleans<br>eflon® □ Nylo                                    | np [] 4" Sub. P<br>] Other:<br><br>other:<br>ad [] Disposat<br>n [] Other:                                                                             | ump                            | Purge data<br>Geoch<br>Ferrou<br>DO:<br>Nitrato                         | a continued on next sheet?                  |
| SAMP<br>Method(s)<br>Materials:<br>Materials:                                                        | LING DA<br>: Baile<br>: Centri<br>Pump/Bailer<br>Tubing/Rope<br>Vater at Time                                        | TA<br>er, Size:<br>fugal Pump<br>Dedicated<br>Dedicated<br>Dedicated<br>Dedicated<br>Sampling                               | Peristaltic<br>ene O Stain<br>d Prep<br>ene O Polyp                                                                                                            | Bladder Pump<br>: Pump 🗀 Inerti<br>less 🗆 PVC 💭<br>pared Off-Site ·<br>rropylene 🛄 Te<br>ed Off-Site –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | □ 2" Sub. Purr<br>al Lift Pump □<br>□ Field-Cleane<br>filon® □ Nylo<br>Field-Cleaned                                 | np [] 4" Sub. P<br>] Other:<br><br>Other:<br>ad [] Disposat<br>] Other:<br>] Disposable                                                                | ump                            | Purge data<br>Geoch<br>Ferrou<br>DO:<br>Nitrate:                        | a continued on next sheet?                  |
| SAMP<br>Method(s)<br>Materials:<br>Materials:<br>Depth to V<br>Gample ID                             | LING DA<br>Baile<br>Centri<br>Pump/Bailer<br>Tubing/Rope<br>Vater at Time                                            | TA<br>er, Size:<br>fugal Pump<br>Dedicated<br>Dedicated<br>Dedicated<br>of Sampling<br>Sample Dat                           | Peristaltic<br>ene i Stain<br>d Prep<br>ene i Polyp<br>l Prepar<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>; | Bladder Pump<br>Pump 🗆 Inerti<br>less 🗆 PVC 🖸<br>bared Off-Site 🗇<br>ropylene 💷 Te<br>ed Off-Site 🛄<br>F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2" Sub. Purr<br>al Lift Pump C<br>Teflon® Q<br>Field-Cleaned<br>field-Cleaned<br>field Filtered?                     | np [] 4" Sub. P<br>] Other:<br>Other:<br>ad [] Disposation<br>] Other:<br>[] Disposable<br>[] Yes []                                                   | ump<br>ble                     | Purge data<br>Geoch<br>Ferrou<br>DO:<br>Nitrate<br>Sulfate              | a continued on next sheet?                  |
| SAMP<br>Method(s)<br>Materials:<br>Materials:<br>Depth to V<br>Sample ID<br>Duplicate S              | LING DA<br>Baile<br>Centri<br>Pump/Bailer<br>Tubing/Rope<br>Vater at Time<br>Sample Collec                           | TA<br>er, Size:<br>fugal Pump<br>Polyethyle<br>Dedicated<br>Polyethyle<br>Dedicated<br>of Sampling<br>Sample Date<br>ted? D | Peristaltic<br>ene Ostain<br>d Prep<br>ene Polyp<br>Prepar<br>g:<br>                                                                                           | Bladder Pump<br>: Pump 🗆 Inertii<br>less 🗆 PVC 💭<br>bared Olf-Site 🖓<br>ropylene 🖨 Te<br>ed Olf-Site 📄<br>Marcon F<br>Marcon | 2° Sub. Purr<br>al Lift Pump D<br>Field-Cleaned<br>field-Cleaned<br>field-Cleaned<br>ield Filtered?<br>ne: 770       | np [] 4" Sub. P<br>Other:<br>                                                                                                                          | ump<br>Die<br>No<br>rs:        | Purge data<br>Geoch<br>Ferrou<br>DO:<br>Nitrate:<br>Sulfate<br>Alkalini | a continued on next sheet?                  |
| SAMP<br>Method(s)<br>Materials:<br>Depth to V<br>Sample ID<br>Duplicate S<br>Equipment               | LING DA<br>Baik<br>Centri<br>Pump/Bailer<br>Tubing/Rope<br>Vater at Time<br>Sample Collec<br>Blank Collect           | TA<br>er, Size:<br>fugal Pump<br>Dedicated<br>Dedicated<br>of Sample Date<br>Sample Date<br>ted?Ye                          | Peristaltic<br>ene il Stain<br>d Prep<br>ene il Polyp<br>l Prepan<br>g:<br>;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;                                                 | Bladder Pump<br>Pump 🗆 Inerti<br>less 🗆 PVC 🖸<br>bared Off-Site 🗇<br>ropylene 💷 Te<br>ed Off-Site 💷<br>M F<br>Sample Tin<br>ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2" Sub. Purr<br>al Lift Pump C<br>Teflon®<br>Field-Cleaned<br>filon® Nylo<br>Field-Cleaned<br>field Filtered?<br>ne: | p [] 4" Sub. P<br>Other:<br>other:<br>ad [] Disposation<br>] Other:<br>] Disposable<br>[] Yes []<br># of Containe<br># of Containe                     | ump<br>ble<br>No<br>rs:        | Purge data<br>Geoch<br>Ferrou<br>DO:<br>Nitrate:<br>Sulfate<br>Alkalini | a continued on next sheet?                  |
| SAMP<br>Method(s)<br>Materials:<br>Vaterials:<br>Depth to V<br>Sample ID<br>Juplicate S<br>iquipment | LING DA<br>Baile<br>Centri<br>Pump/Bailer<br>Tubing/Rope<br>Vater at Time<br>Sample Collect<br>Blank Collect         | TA<br>er, Size:<br>fugal Pump<br>Dedicated<br>Dedicated<br>Dedicated<br>of Sampling<br>Sample Date<br>ted? U Ye<br>ed? Ye   | Peristaltic<br>ene I Stain<br>Prep<br>ene Polyp<br>Prepar<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:       | Bladder Pump<br>Pump 🗆 Inerti<br>less 🗆 PVC 🖸<br>pared Off-Site $^{-1}$<br>rropylene $\bigcirc$ Te<br>ed Off-Site $\bigcirc$<br><b>7</b><br><b>7</b><br><b>5</b><br><b>7</b><br><b>1</b> D:<br>ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2° Sub. Purr<br>al Lift Pump D<br>Field-Cleaned<br>field-Cleaned<br>ield Filtered?<br>ne: 770                        | np [] 4" Sub. P<br>Other:<br><br>other:<br>d [] Disposat<br>] Disposable<br>] Pes []<br># of Containe<br># of Containe<br># of Containe                | ump<br>ble No rs: rs:          | Purge data<br>Geoch<br>Ferrou<br>DO:<br>Nitrate:<br>Sulfate<br>Alkalini | a continued on next sheet?                  |
| SAMP<br>Method(s)<br>Materials:<br>Vaterials:<br>Depth to V<br>Sample ID<br>Duplicate S<br>:quipment | LING DA<br>Baile<br>Centri<br>Pump/Bailer<br>Tubing/Rope<br>Vater at Time<br>Sample Collect<br>Blank Collect<br>ENTS | TA<br>er, Size:<br>fugal Pump<br>Dedicated<br>Dedicated<br>Dedicated<br>of Sample Date<br>Sample Date<br>ted? Ye            | Peristaltic<br>ene I Stain<br>d Prep<br>ene Polyp<br>d Prepar<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;<br>;   | Bladder Pump<br>Pump 🗆 Inerti<br>less 🗆 PVC 🖸<br>bared Off-Site 🗇<br>ropylene 💷 Te<br>ed Off-Site 🛄<br>M F<br>Sample Tin<br>ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2" Sub. Pum<br>al Lift Pump C<br>Field-Cleaned<br>field-Cleaned<br>field Filtered?<br>ne: 17:0                       | np [] 4" Sub. P<br>] Other:<br>Other:<br>ad [] Disposation<br>] Other:<br>] Disposable<br>[] Yes []<br># of Containe<br># of Containe<br># of Containe | ump<br>ble<br>No<br>rs:<br>rs: | Purge data<br>Geoch<br>Ferrou<br>DO:<br>Nitrate:<br>Sulfate<br>Alkalini | a continued on next sheet?                  |
| SAMP<br>Method(s)<br>Materials:<br>Materials:<br>Depth to V<br>Sample ID<br>Suplicate S<br>iquipment | LING DA<br>Baile<br>Centri<br>Pump/Bailer<br>Tubing/Rope<br>Vater at Time<br>Sample Collect<br>Blank Collect<br>ENTS | TA<br>er, Size:<br>fugal Pump<br>Dedicated<br>Dedicated<br>of Sampling<br>Sample Date<br>ted?Ye                             | Peristaltic<br>ene I Stain<br>Prep<br>ene Polyp<br>I Prepar<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:<br>:     | Bladder Pump<br>Pump 🗆 Inerti<br>less D PVC C<br>pared Off-Site ·<br>rropylene D Te<br>ed Off-Site D<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2" Sub. Purr<br>al Lift Pump C<br>Field-Cleaned<br>field Filtered?<br>ne: 70                                         | np [] 4" Sub. P<br>Other:<br><br>other:<br>d [] Disposation<br>Disposable<br><br># of Containe<br># of Containe<br># of Containe                       | ump<br>Dle<br>No<br>rs:<br>rs: | Purge data<br>Geoch<br>Ferrou<br>DO:<br>Nitrate:<br>Sulfate<br>Alkalini | a continued on next sheet?                  |
| SAMP<br>Method(s)<br>Materials:<br>Jaterials:<br>Jepth to y<br>Juplicate S<br>iquipment              | LING DA<br>Baile<br>Centri<br>Pump/Bailer<br>Tubing/Rope<br>Vater at Time<br>Sample Collect<br>Blank Collect<br>ENTS | TA<br>er, Size:<br>fugal Pump<br>Dedicated<br>Dedicated<br>Dedicated<br>of Sampling<br>Sample Date<br>ted?Ye<br>red?Ye      | Peristaltic<br>ene I Stain<br>I Prep<br>ene Polyp<br>I Prepar<br>J:<br>                                                                                        | Bladder Pump<br>Pump 🗆 Inerti<br>less 🗆 PVC 🖸<br>bared Off-Site 🗇<br>ropylene 🗇 Te<br>ed Off-Site 의<br>ID:<br>ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2" Sub. Purr<br>al Lift Pump C<br>Field-Cleaned<br>field-Cleaned<br>field Filtered?<br>ne: 17:0                      | np [] 4" Sub. P<br>] Other:<br><br>ad [] Disposati<br>n [] Other:<br>] Disposable<br>[] Yes []<br># of Containe:<br># of Containe:<br># of Containe:   | ump<br>ble<br>No<br>rs:<br>rs: | Purge data<br>Geoch<br>Ferrou<br>DO:<br>Nitrate:<br>Sulfate<br>Alkalini | a continued on next sheet?                  |


WELL ID: 117 Faye Dr

|                |              | 1001101      |         | Seen Cond   |              | DO           | Turbidity   | 1           |                                       |
|----------------|--------------|--------------|---------|-------------|--------------|--------------|-------------|-------------|---------------------------------------|
| ri             | Cum. Gallons | pH           | lemp    | spec. cond. | > of ±10% or | > of ±10% or |             | Water Level | Comments                              |
| ime            | (gal)        | ±0.1 su      | ±2°C 🍋  | ±10 µS/cm   | ±20 mV       | ±0.2 mg/L    | STUNIO      |             |                                       |
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|                |              |              | યા અન્ય | 1.85        |              |              | • • • • •   | 1           |                                       |
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Purge data continued on next sheet?



WELL ID: 303 Kaye Dr

| 1 PRC                  |                  |                               | ATION                      |                                  |                                       |                             |                |                                               |                                |
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| Projec                 | ot Number: 13    | 88670                         |                            |                                  | 000                                   |                             |                |                                               |                                |
| Client                 | $\cdot$ Owens Co | rning                         | TUSK N                     | umber: <u>.300.</u>              | 003                                   | Area of Co                  | ncern:         | 10                                            |                                |
| Projec                 | t Location: Ar   | Iderson                       | South C                    | arolina                          | · · · · · · · · · · · · · · · · · · · | Personnel:                  | 10-100         | <u>, , , , , , , , , , , , , , , , , , , </u> |                                |
|                        |                  |                               |                            | aioina                           |                                       | Weather:<                   |                | ()e                                           |                                |
| 2. WE                  | LL DATA          |                               | Date N                     | Measured:                        | V 11                                  | Time:                       |                |                                               | mporary Well: UYes UNo         |
| Casinę                 | g Diameter:      | i                             | nches                      | Type: 🗅 f                        | PVC 🔲 Stainl                          | ess 🛛 Galv. Ste             | eel 🛛 Teflon@  | ම 🛛 Other:                                    |                                |
| Screer                 | n Diameter:      |                               | nches                      | Туре: 🗅 ғ                        | PVC 🖸 Staint                          | ess 🖾 Galv. Ste             | eel 🖸 Teflon@  | Other:                                        | P                              |
| Total D                | Depth of Well:_  |                               | feet                       | From: 🗆                          | Top of Well Ca                        | sing (TOC) 🛛                | Top of Protec  | tive Casing                                   | Dother:                        |
| Depth                  | to Static Water  | •                             | feet                       | From: 🗅                          | Top of Well Ca                        | sing (TOC)                  | Top of Protec  | tive Casing                                   | Olher:                         |
| Depth                  | to Product:      |                               | _feet ·                    | From: 🗅                          | Top of Well Ca                        | sing (TOC)                  | Top of Protec  | tive Casing (                                 | Other:                         |
| Length                 | of Water Colur   | mn:                           | feet                       | Well Volum                       | ne:                                   | gal                         | Screened       | Interval (from                                | n GS):                         |
|                        |                  |                               |                            | Note: 1-in we                    | ell = 0.041 gal/ft                    | 2-in well = 0.1             | 67 gal/ft 4-in | well = 0.667 ga                               | al/ft 6-in well = 1.469 gal/ft |
| . PUR                  |                  | ilor Size                     | Date P                     | urged: 2                         | <u> </u>                              | _ Time:                     |                |                                               | Equipment Model(s)             |
| Purge N                | Method: Cen      | nter, Size: _<br>trifugal Pun | np 🖸 Perist                | taltic Pump 🖸 li                 | np 🗇 2" Sub. I<br>nertial Lift Pum    | Pump 🖾 4" Sul<br>D 🖾 Other: | b. Pump        | t. <u>/</u>                                   | SE 556 MOS                     |
| Materia                | lls: Pump/Bailer | Dedica                        | thylene 🖸 S                | Stainless D PV(                  |                                       | Other:                      |                | 2. 1                                          | RT-ISCE                        |
| Materia                | ls: Rope/Tubin   | Polyet                        | ihylene 🖸 P                | olypropylene                     | Teflon® (") N                         | aned U Dispo                | osable         | 3.                                            |                                |
|                        |                  | Dedica                        | ated D Pre                 | pared Off-Site                   | L Field-Clean                         | ed 🖸 Disposa                | able           | 4                                             |                                |
| volume                 | to Purge (mini   | mum):                         | well                       | volumes or                       |                                       | gallons                     |                |                                               |                                |
| vvas we                | Cum Gallong      | u res                         | Tomp                       | Pumping Ra                       | ite:                                  | gal/min                     |                |                                               | Calibrated?                    |
| Time                   | Removed          |                               | remp                       | > of +3% or                      | ORP                                   | DO                          | Turbidity      | Water Level                                   | 0                              |
|                        | (gal)            | ±0.1 su                       | ±2°C                       | ±10 µS/cm                        | ±20 mV                                | > 01 ±10% or<br>±0.2 mg/L   | ≤ 10 NTU       | water Lever                                   | Comments                       |
| 700                    | 5.0              | 5.17                          | 19.56                      | 0.203                            | 1675                                  | 8.43                        | 0.08           |                                               |                                |
|                        |                  |                               | -                          |                                  | i i                                   |                             |                |                                               |                                |
|                        |                  |                               |                            |                                  |                                       |                             |                |                                               |                                |
|                        |                  |                               |                            |                                  |                                       |                             |                |                                               |                                |
|                        |                  |                               |                            |                                  |                                       |                             |                |                                               |                                |
|                        |                  |                               | v                          |                                  |                                       |                             | 1              |                                               |                                |
| i 10 ,                 |                  | 6                             |                            |                                  |                                       |                             |                | Purge data                                    | Continued on part chaot?       |
| SAMP                   | LING DAT         | ГА                            |                            |                                  |                                       |                             |                | Geoch                                         | ominal Analysis                |
| Vethod(s               | ): D Baile       | r, Size:                      |                            | Bladder Pump                     | 2" Sub. Pun                           | 1p 🖸 4" Sub. P              | ump            |                                               | enncal Analyses                |
| Materials              | · Pumo/Bailer    | 🖵 Polyethyl                   | ene 🗆 Stair                | less D PVC                       | Tetion®                               | Other:                      |                | Ferrous                                       | s Iron: //mg/L                 |
|                        | i ampi Baller    | Dedicate                      | d 🛛 Pre                    | pared Off-Site                   | G Field-Cleane                        | d Disposat                  | ble            | DO:                                           | mg/L                           |
| Aaterials:             | Tubing/Rope      | Polyethyle Dedicated          | ene 🖵 Polyp<br>di 🖵 Prepai | propylene 🖾 Te<br>red Off-Site 🗖 | eflon® 🛛 Nylo<br>Field-Cleaned        | Disposable                  |                | Nitrate:                                      | mg/L                           |
| Depth to V             | Nater at Time o  | Samplin                       | g:                         | F                                | Field Filtered?                       |                             | No             | Sulfate:                                      | ma/L                           |
| Sample IC              |                  | ample Dat                     | e: 0.10                    | I Sample Tir                     | net FCO                               | # of Containe               | rs: 1          | Alkalinit                                     |                                |
|                        | Sample Collect   | ed? 🖬 Ye                      | es 🗆 No                    | 10: Dup-                         | 05 011                                | # of Containe               | rs: £          |                                               |                                |
| Duplicate              |                  |                               |                            |                                  |                                       | # +6 Q = + 1                |                |                                               | 이 같은 것이 가지만 것이 같이 없다.          |
| Duplicate<br>Equipment | t Blank Collecte | ed? 🗆 Ye                      | es 🔄 No                    | 10:                              |                                       | # of Container              | rs:            |                                               |                                |
| Duplicate<br>Equipmen  | t Blank Collecte | ed?⊡Ye                        | es er No                   | 10:                              |                                       | # of Container              | rs:            | _                                             |                                |
| Duplicate<br>Equipmen  | t Blank Collecte | ed? [] Ye<br>DUP-0 <b>5</b>   | es y No                    | 2 "1200                          |                                       | # of Container              | rs:            |                                               |                                |
| Duplicate<br>Iquipmen  | t Blank Collecte | ed? □ Ye<br>?Up.5 <b>5</b> [  |                            | 2 "1200                          |                                       | # of Container              | rs             |                                               |                                |

-1 than \_\_\_\_\_



WELL ID: 303 Kaye Dr

| 011  |                         |               | Tomo     | Spec. Cond. | ORP                    | DO                        | Furbidity | 1           |          |
|------|-------------------------|---------------|----------|-------------|------------------------|---------------------------|-----------|-------------|----------|
| Time | Cum. Gallons<br>Removed | ب<br>±0.1 sut | ±2°Cr    | > of ±3% or | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level | Comments |
|      | (gui)                   |               |          |             |                        |                           |           | 1           | 47       |
|      |                         |               |          |             | 1                      |                           |           |             |          |
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Purge data continued on next sheet?

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WELL ID: 200 Kaye Dr

| 1. PROJECT INFORMATION       Project Number: 138670                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                       | _             |                           |                                     |                                      |                            |                  |                 |                                |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------|---------------|---------------------------|-------------------------------------|--------------------------------------|----------------------------|------------------|-----------------|--------------------------------|--|--|
| Project Number:       138670       Task Number:       300.003       Area of Concern:         Client:       Overas Corning       Personnel:       347, 345         Project Location:       Anderson, South Carolina       Weather:       244, 745         2:       WELL DATA       Date Measured:       Time:       Temporary Well:       Lives         Casing Diameter:       inches       Type:       IPVC       Stantes       Date. Steel       Tettors       Other.         Total Depth of Welt:       feet       From:       Top of Welt Casing (TOC)       Top of Protective Casing       Other.         Depth to Static Water.       feet       From:       Top of Welt Casing (TOC)       Top of Protective Casing       Other.         Length of Water Column:       feet       From:       Top of Welt Casing (TOC)       Top of Protective Casing       Other.         Length of Water Column:       feet       From:       Top of Welt Casing (TOC)       Top of Protective Casing       Other.         Purge Mathod:       Other Purge 21 Stat. Purg       218 State Purge 21 State. Purg 21 State. Purge 21 State. Purge 21 State. Purge       185 State.       Screened Interval (from GS):         Materials: Purg/Paller       Polyphytene       Tom of all State. Purge       2 State. Purge       2       2 State. Purge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1. PRC          | DJECT IN              | FORM          | ATION                     |                                     |                                      |                            |                  |                 |                                |  |  |
| Client: Owens Corning       Personnel: JM_AS         Priject Location: Anderson, South Carolina       Weather: Market South Carolina         2. WELL DATA       Date Measured:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Project         | t Number: <u>1</u> 3  | 38670         | Task Nu                   | umber: <u>300.(</u>                 | 003                                  | _ Area of Co               | Area of Concern: |                 |                                |  |  |
| Project Location: Anderson. South Carolina       Weather:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Client:         | Owens Co              | rning         |                           |                                     |                                      | Personnel:                 | J314, 13         | AS              |                                |  |  |
| 2. WELL DATA       Date Measured:       Time:       Temporary Well: UYes UNc         Casing Diameter:       inches       Type: UPVC       Stanless       U av. Steel       Other         Screen Diameter:       inches       Type: UPVC       Stanless       Qav. Steel       Other         Depth to Static Water:       feet       From: U Top of Well Casing (TOC)       D op Protective Casing       Other.         Depth to Product:       feet       From: U Top of Well Casing (TOC)       Top of Protective Casing       Other.         Length of Water Column:       feet       From: U Top of Well Casing (TOC)       Top of Protective Casing       Other.         Length of Water Column:       feet       From: U Top of Well Casing (TOC)       Top of Protective Casing       Other.         Length of Water Column:       feet       From: U Top of Well Casing (TOC)       Top of Protective Casing       Other.         S.       Purge Method:       Deate Purge 20       LBadder Pump Q 20       Time:       Equipment 0.061 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.067 gath: 4/m well = 0.06                                                                                                                                                                                                                                                                                                                                                 | Project         | t Location: <u>Ar</u> | nderson,      | South Ca                  | arolina                             | 4                                    | Weather:                   | -9012            | Octly           | Cludy                          |  |  |
| Casing Diameter:      inches       Type:       UPVC       Diameters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2. WEL          | L DATA                |               | Date N                    | leasured: _                         | _                                    | Time:                      | ·····            | Top             |                                |  |  |
| Screen Diameter:       inches       Type:       UPVC       Stanless       Qalv. Steel       U Top of Velic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Casing          | Diameter:             | i             | nches                     | Туре: 🛛 Р                           | VC 🖾 Slainle                         | ess Ll Galv. Sle           | el 🛛 Tefloni     |                 | nporary well: UYes UNo         |  |  |
| Total Depth of Well:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Screen          | Diameter:             | ir            | nches                     | Туре: Ц Р                           | VC 🔾 Stainle                         | ess 🗔 Galv. Ste            | el 🛈 Tellon®     | 0 Cl Other:     |                                |  |  |
| Depth to Static Water:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Total D         | epth of Well:_        |               | feet                      | ר 🗅 :From                           | Fop of Well Cas                      | sing (TOC) 🗳               | Top of Protec    | tive Casing     | D Other:                       |  |  |
| Depth to Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Depth t         | to Static Water       | r:            | feet                      | From: 🛙 T                           | op of Well Cas                       | ing (TOC) ப                | Top of Protec    | tive Casing     | Other:                         |  |  |
| Length of Water Column:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Depth t         | to Product:           |               | _feet                     | ד 🗅 ד                               | fop of Well Cas                      | sing (TOC)                 | Top of Protec    | tive Casing     | ] Other:                       |  |  |
| In the Purged: 2: 10: 14: 2: 10: 10: 2: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Length          | of Water Colu         | mn:           | _feet                     | Well Volum                          | e:                                   | gal                        | Screened         | Interval (from  | n GS):                         |  |  |
| Biller Size:       Bilder Pung Get: 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                       |               | Data D                    | Note: 1-in we                       | $\frac{1}{2} = 0.041 \text{ gal/lt}$ | 2-in well = 0.10           | 67 gal/ft 4-in   | well = 0.667 ga | l/ft б-in well = 1. 169 gal/ft |  |  |
| Polge Weitlid:       Centrifugal Pump       Periotatilic Pump       Interfail Lift Pump       1. ISJ_SS6_PPS         Materials:       Propared Other       Sample       Propared Other       2. PK1-ISLE         Materials:       Report/Ubing       Polyethylene       Propared Other       3.         Volume to Purge (minimum):       well volumes or       gallons       4.         Volume to Purge (minimum):       well volumes or       gallons       4.         Was well purged dry?       'Yes       No       Pumping Rate:       gallons         Time       Cum. Gallons       PH       Temp Spec. Cond.       ORP       DO       Turbidity         Image: Cum. Gallons       PH       Temp Spec. Cond.       ORP       DO       Turbidity       Water Level       Comments         Image: Cum. Gallons       PH       Temp Spec. Cond.       ORP       DO       Turbidity       Water Level       Comments         Image: Gallons       PH       Temp Spec. Cond.       ORP       DO       Turbidity       Water Level       Comments         Image: Gallons       PH       Temp Spec. Cond.       ORP       DO       Turbidity       Water Level       Comments         Image: Gallons       #D.       Image: Gallons       Purge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Burgo A         |                       | ailer, Size:  | Date Pl                   | Bladder Pum                         | 1 12" Sub E                          | _ Time:                    | . Ruma           |                 | Equipment Model(s)             |  |  |
| Materials: Pump/Bailer       Dedicated       Prepared OF-Site       Tellon® □       Other:       2.       0K1 - 15 L E         Materials: Rope/Tubing       Dedicated       Prepared OF-Site       Tellon® □       Nylon □       Other:       3.         Volume to Purge (minimum):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Furge N         |                       | ntrifugal Pun | np 🖸 Perist               | altic Pump C Ir                     | nertial Lift Pump                    | Di Other:                  | . Pump           | 1. <u> </u>     | 51 556 MPS                     |  |  |
| Materials: Rope/Tubing       Polypethylene       Polypopylene       Teifon®       Nylon       Other:       3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Material        | ls: Pump/Baile        | Polyet        | thylene 🗅 S<br>ated 🗘 F   | tainless 🖾 PVC<br>Prepared Off-Site | C Teflon®<br>e D Field-Cle           | C Other:                   | sable            | 24              | RT-ISCE                        |  |  |
| Volume to Purge (minimum):well volumes orgallons       4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Material        | ls: Rope/Tubin        | g D Polyet    | thylene 🖸 Po              |                                     | Teflon® 🗔 N                          | lylon D Other:_            |                  | 3               | <sub>N</sub> 1                 |  |  |
| Was well purged dry?       Or No       Purping Rate:       gal/min       Calibrated?       Error         Time       Cum. Gallons       pH       Temp       Spec. Cond       ORP       DO       Turbidity       Water Level       Comments         Time       (gal)       ±0.1 su       ±2°C       > of ±10% or > of ±10% or > of ±10% or > of ±10% or > of ±10% or > of ±10% or > of ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0f ±10% or > 0 | Volume          | to Purae (mini        | imum).        |                           | volumes or                          | U Field-Clean                        | ed CI Disposa              | iple             | 4               |                                |  |  |
| Time       Cum. Gallons       pH       Temp       Spec. Cond.       ORP       DO       Turbidity         Removed<br>(gal)       ±0.1 su       ±2°C       > of ±3% or<br>±10 µS/cm       > of ±10% or<br>±0.2 mg/L       > 10 NTU       Water Level       Comments         IL45       5.0       6.165       [17]       0 II7       157.3       7.52       0.27         Image: State of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s                                             | Was we          | Il purged dry?        | Li Yes        | Ú No                      | Pumping Ra                          | ite:                                 | galions<br>gal/min         |                  |                 | Calibrated?                    |  |  |
| Time       Removed<br>(gal)       ±0.1 su       ±2° C       > of ±10% or<br>±10 µS/cm       > of ±10% or<br>±20 mV       > of ±10% or<br>±0.2 mg/L       ≤ 10 NTU       Water Level       Comments         16.5       5.6       16.65       17.9       0 117       157.3       7.52       0.27         16.5       5.6       16.65       17.9       0 117       157.3       7.52       0.27         16.5       17.9       0 117       157.3       7.52       0.27         16.5       17.9       0 117       157.3       7.52       0.27         16.5       17.9       0 117       157.3       7.52       0.27         16.5       17.9       0 117       157.3       7.52       0.27         16.5       17.9       0 117       157.3       7.52       0.27         16.5       17.9       0 117       157.3       7.52       0.27         16.5       17.9       0 117       157.3       7.52       0.27         16.5       17.9       18.4       14.5       14.5       14.5       14.5       14.5       14.5       14.5       14.5       14.5       14.5       14.5       14.5       14.5       14.5       14.5       14.5 <td></td> <td>Cum. Gallons</td> <td>pН</td> <td>Temp</td> <td>Spec. Cond.</td> <td>ORP</td> <td>DO</td> <td>Turbidity</td> <td>1</td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Cum. Gallons          | pН            | Temp                      | Spec. Cond.                         | ORP                                  | DO                         | Turbidity        | 1               |                                |  |  |
| 164       5.5       64.65       17.9.6       0.117       157.3       7.52       0.21         Purge data continued on next sheet?         A SAMPLING DATA         Method(s):       Bailer, Size:       Bladder Pump       2' Sub. Pump       4' Sub. Pump         Method(s):       Bailer, Size:       Bladder Pump       2' Sub. Pump       4' Sub. Pump         Method(s):       Bailer, Size:       Bladder Pump       0 ther:       0'         Materials:       Pulp/Bailer       Polyethylene       Stainless       PVC       Teflon@       0 ther:         Dedicated       Prepared Off-Site       Field-Cleaned       Disposable       0'       Nitrate:       mg/L         Materials:       Tubing/Rope       Polyethylene       Polyethole       Polyethole       Pield-Cleaned       Disposable         Depth to Water at Time of Sampling:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Time            | Removed<br>(gal)      | ±0.1 su       | ±2°C                      | > of ±3% or<br>±10 uS/cm            | > of ±10% or<br>+20 mV               | > of ±10% or               | ≤ 10 NTU         | Water Level     | Comments                       |  |  |
| Purge data continued on next sheet?         4. SAMPLING DATA         Method(s):       Bailer, Size:         □ Centrifugal Pump       □ Peristattic Pump         □ Centrifugal Pump       □ Peristattic Pump         □ Materials: Pump/Bailer       □ Polyethylene         □ Polyethylene       □ Stainless         □ Dedicated       □ Prepared Off-Site         □ Petrone       □ Polyethylene         □ Dedicated       □ Prepared Off-Site         □ Polyethylene       □ Polyethylene         □ Dedicated       □ Prepared Off-Site         □ Polyethylene       □ Polyethylene         □ Dedicated       □ Prepared Off-Site         □ Polyethylene       □ Polyethylene         □ Dedicated       □ Prepared Off-Site         □ Polyethylene       □ Polyethylene         □ Dedicated       □ Prepared Off-Site         □ Field Filtered?       □ Yes         □ Sample Dit       Sample Date         □ Duplicate Sample Collected?       □ Yes         □ Yes       □ No         <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16:5            | 5.0                   | 5.65          | 17.96                     | 0117                                | 157.7                                | 757                        | 1911             |                 |                                |  |  |
| Purge data continued on next sheet?         A. SAMPLING DATA         Method(s):       Bailer, Size:         Bailer, Size:       Bladder Pump         Prese data continued on next sheet?         Materials: Pump/Bailer       Polyethylene         Stample Dedicated       Prepared Off-Site         Depth to Water at Time of Sampling:       Field Filtered?         Duplicate Sample Collected?       Yes in No         Duplicate Sample Collected?       Yes in No         Sample ID:       Yes in No         Duplicate Sample Collected?       Yes in No         COMMENTS       ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                       |               |                           |                                     |                                      | 1.14                       | (7.27            |                 |                                |  |  |
| Purge data continued on next sheet?         4. SAMPLING DATA         Method(s):       Bailer, Size:       Bladder Pump       2" Sub. Pump       4" Sub. Pump         Method(s):       Centrifugal Pump       Peristaltic Pump       1" Polyethylene       Stainless       PVC       Tellon®       Other:       Other:       Other:       Other:       Other:       Other:       Mg/L         Materials:       Pubgicated       Prepared Off-Site       Field-Cleaned       Disposable       Nitrate:       mg/L         Materials:       Tubing/Rope       Polyethylene       Polypropylene       Tellon®       Other:       mg/L         Depth to Water at Time of Sampling:       Field Filtered?       Yes       No       Sample Date:       Mg/L         Sample ID:       Sample Date:       Sample Time:       # of Containers:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                       | -             |                           | 1                                   |                                      |                            |                  |                 |                                |  |  |
| 4. SAMPLING DATA         Method(s):       Bailer, Size:       Bladder Pump       2" Sub. Pump       4" Sub. Pump         Method(s):       Centrifugal Pump       Peristaltic Pump       Inertial Lift Pump       Other:       Geochemical Analyses         Materials:       Pump/Bailer       Polyethylene       Stainless       PVC       Teflor®       Other:       Doi:       mg/L         Materials:       Tubing/Rope       Polyethylene       Polyethylene       Teflor®       Other:       Doi:       mg/L         Dedicated       Prepared Off-Site       Field-Cleaned       Disposable       Nitrate:       mg/L         Sample ID:       Dedicated       Prepared Off-Site       Field Filtered?       Yes       No         Sample ID:       Sample Date:       Field Filtered?       Yes       No         Duplicate Sample Collected?       Yes       No       Ilkalinity:       mg/L         Alkalinity:       mg/L       Mitairiers:       mg/L         COMIMENTS       Yes       No       ID:       # of Contairiers:       Mitairiers:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | _ La            |                       |               |                           | N 8                                 | -                                    |                            |                  |                 |                                |  |  |
| A. SAMPLING DATA       Purge data continued on next sheet?         Method(s):       Bailer, Size:       Bladder Pump       Stable Sub. Pump       Geochemical Analyses         Materials:       Polyethylene       Polyethylene       Stainless       PVC       Telfon®       Other:       DO:       mg/L         Materials:       Tubing/Rope       Polyethylene       Polypropylene       Telfon®       Other:       mg/L         Depth to Water at Time of Sampling:       Field Filtered?       Yes       No       Sample Date       mg/L         Duplicate Sample Collected?       Yes       No       ID:       # of Containers:       mg/L         COMMENTS       .       Mot Containers:       # of Containers:       .       mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                       |               |                           |                                     |                                      |                            |                  |                 |                                |  |  |
| A. SAMPLING DATA         Method(s):       Bailer, Size:       Bladder Pump       Bladder Pump       Sub. Pump       Geochemical Analyses         Method(s):       Centrifugal Pump       Perpared Off-Site       Teflon®       Other:       Do:       mg/L         Materials:       Pump/Bailer       Polyethylene       Stainless       PVC       Teflon®       Other:       Do:       mg/L         Materials:       Tubing/Rope       Polyethylene       Polyethylene       Teflon®       Nylon       Other:       mg/L         Depth       to Water at Time of Sampling:       Field Cleaned       Disposable       Nitrate:       mg/L         Sample ID:       Sample Date:       Moder of Sampling:       Field Filtered?       Yes       No         Uplicate Sample Collected?       Yes       No       ID:       # of Containers:       Material:         Equipment Blank Collected?       Yes       No       ID:       # of Containers:       Material:         .       COMMENTS       Yes       No       ID:       # of Containers:       Material:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                       |               |                           |                                     |                                      |                            |                  |                 |                                |  |  |
| A. SAMPLING DATA         Method(s):       Bailer, Size:       Bladder Pump       2" Sub. Pump       4" Sub. Pump         Materials:       Pump/Bailer       Polyethylene       Stainless       PVC       Teflon®       Other:       Do:       mg/L         Materials:       Pump/Bailer       Polyethylene       Stainless       PVC       Teflon®       Other:       Do:       mg/L         Materials:       Tubing/Rope       Polyethylene       Polyethylene       Teflon®       Nylon       Other:       DO:       mg/L         Depth to       Water at Time of Sampling:       Field-Cleaned       Disposable       Nitrate:       mg/L         Sample ID:       Sample Date:       Mo       ID:       # of Containers:       Alkalinity:       mg/L         Duplicate       Sample Collected?       Yes       No       ID:       # of Containers:       Materials:         COMMENTS       Ves       No       ID:       # of Containers:       Materials:       Materials:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0 4 4 4 5       |                       |               | 11 II.                    |                                     |                                      | 1 - Z -                    |                  | Purge data      | continued on next sheet?       |  |  |
| Method(s):       Ballet, Size:       Bladder Pump       2" Sub. Pump       4" Sub. Pump         Materials:       Pump/Bailer       Polyethylene       Stainless       PVC       Teflon®       Other:       DO:       mg/L         Materials:       Pump/Bailer       Polyethylene       Stainless       PVC       Teflon®       Other:       DO:       mg/L         Materials:       Tubing/Rope       Polyethylene       Polypropylene       Teflon®       Other:       DO:       mg/L         Dedicated       Prepared Off-Site       Teflon®       Other:       DO:       mg/L         Materials:       Tubing/Rope       Polyethylene       Polypropylene       Teflon®       Other:       mg/L         Depth to       Water at Time of Sampling:       Field Filtered?       Yes       No       Sulfate:       mg/L         Sample ID:       Sample Date:       Mo       ID:       # of Containers:       Alkalinity:       mg/L         Duplicate Sample Collected?       Yes       No       ID:       # of Containers:       Mo       Materials:       mg/L         COMMENTS       .       Yes       No       ID:       # of Containers:       .       . <td>. SAMP</td> <td></td> <td>IA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Geoch</td> <td>emical Analyses</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | . SAMP          |                       | IA            |                           |                                     |                                      |                            |                  | Geoch           | emical Analyses                |  |  |
| Materials: Pump/Bailer       Polyethylene       Stainless       PVC       Teflon®       Other:       Doi:       mg/L         Materials: Tubing/Rope       Polyethylene       Polypropylene       Teflon®       Nylon       Other:       DO:       mg/L         Materials: Tubing/Rope       Polyethylene       Polypropylene       Teflon®       Nylon       Other:       Nitrate:       mg/L         Depth to Water at Time of Sampling:       Field Filtered?       Yes       No       Sulfate:       mg/L         Sample ID:       Sample Date:       Ong/l       Sample Time:       # of Containers:       Alkalinity:       mg/L         Duplicate Sample Collected?       Yes       No       ID:       # of Containers:       Mitrate:       mg/L         Equipment Blank Collected?       Yes       No       ID:       # of Containers:       Mitrate:       Mg/L         .       COMMENTS       .       .       .       .       .       .       .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Method(s        | ): U Centri           | fugal Pump    | Peristalti                | Bladder Pump<br>c Pump 🛄 Inert      | tial Lift Pump C                     | np 🔲 4" Sub. P<br>J Other: | 'ump             | Ferrous         | s Iron ma/L                    |  |  |
| Materials: Tubing/Rope       Polyethylene       Polypropylene       Tethor@ Nylon       Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Materials:      | : Pump/Bailer         | Dedicate      | lene 🗔 Stair<br>d 🛛 🖓 Pre | nless Q PVC C                       | Teflon® 🗔                            | Other:                     |                  | DO:             |                                |  |  |
| Depth to Water at Time of Sampling:        Field Cleaned       Disposable       Sulfate:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Materials:      | Tubing/Rope           | Polyethyl     | lene 🗆 Poly               | propylene                           | eflor® 🛛 Nylo                        | n O Other:                 |                  | Nitrate         | mg/L                           |  |  |
| Sample ID:       Sample Date:       Sample Date:       Sample Time:       # of Containers:       Alkalinity:       mg/L         Duplicate Sample Collected?       Yes       No       ID:       # of Containers:       Mg/L         Equipment Blank Collected?       Yes       No       ID:       # of Containers:       Mg/L         . COMMENTS       .       .       .       .       .       .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Depth to \      | Nater at Time         | of Samolin    | d Ll Prepai               | red Off-Site                        | Field-Cleaned                        | C Disposable               |                  | Culfata         |                                |  |  |
| Duplicate Sample Collected? I Yes I No       ID:       # of Containers:       Alkalinity:      mg/L         Equipment Blank Collected? I Yes I No       ID:       # of Containers:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20<br>Sample IE | 6 Kope JA             | Samole Dat    | 10171711                  | F                                   |                                      | You Yes o                  | No ,             | Sullate:        | / mg/L                         |  |  |
| Equipment Blank Collected?  Yes Yos ID: # of Containers: # of Containers: COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Duplicate       | Sample Collec         | ted?  Y       | es 🗹 No                   |                                     |                                      | # of Containe              | ers:             | Alkalinit       | y:'mg/L                        |  |  |
| . COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Equipmen        | t Blank Collect       | ed? 🗆 Ye      | es Er No                  | ID:                                 |                                      | # of Containe              | ns:              |                 |                                |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CON 48.4        |                       |               |                           |                                     |                                      |                            |                  |                 |                                |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                       |               |                           |                                     |                                      |                            |                  |                 |                                |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                       |               |                           |                                     | 2 -                                  |                            |                  |                 |                                |  |  |
| te: Include comments such as well condition, odor, presence of NAPL, or other items not on the light data short                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                       |               |                           |                                     |                                      |                            |                  |                 |                                |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | te: Include co  | mments such as        | well conditio | on, odor, pres            | ence of NAPL                        | or other items n                     | ot on the field day        | ta sheat         |                 |                                |  |  |



WELL ID: 200 Kaye Dr

|                   | Cum Collons | 0H ::0   | Temp                 | Spec. Cond. | ORP                    | 00                        | Turbidity       | 1           | _                                     |
|-------------------|-------------|----------|----------------------|-------------|------------------------|---------------------------|-----------------|-------------|---------------------------------------|
| ine               | Removed     | £0,1,su  | ±2ºC. •              | > of ±3% or | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU        | Water Level | Comments                              |
| <u></u>           |             |          |                      |             |                        |                           |                 |             |                                       |
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|                   |             |          | * « -                | •••••       |                        |                           |                 |             |                                       |
|                   |             |          |                      |             |                        |                           |                 |             | <u> </u>                              |
|                   |             |          |                      |             |                        |                           |                 |             |                                       |
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|                   |             |          | Teen o               |             |                        | _                         |                 |             |                                       |
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|                   |             |          |                      |             |                        |                           |                 |             |                                       |

Purge data continued on next sheet?

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# BROWN AND

## GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 628 Airline Rd

| Projec                                                                              |                                       |                                    | A HON                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                                                                           |                                          |                         |                             |  |  |
|-------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------|------------------------------------------|-------------------------|-----------------------------|--|--|
|                                                                                     | :t Number: <u>1</u>                   | 38670                              | Task Ni                                       | umber: <u>30</u> 0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 003                                          | Area of Co                                                                | Dicern.                                  |                         |                             |  |  |
| Client:                                                                             | Owens C                               | orning                             |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              | Personnel                                                                 | BM 9                                     | 215                     |                             |  |  |
| Project                                                                             | t Location: A                         | nderson.                           | South C                                       | arolina                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              | Weather: 1                                                                | Weather: - 70 1F, Ch-/Etty ( July / Pre- |                         |                             |  |  |
| 2. WEL                                                                              | L DATA                                |                                    | Date N                                        | Aeasured:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              | Time                                                                      |                                          |                         |                             |  |  |
| Casing                                                                              | Diameter:                             |                                    | inches                                        | Туре: 🗓 г                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PVC Stainle                                  | ess 🖸 Galv. St                                                            | eel 🛈 Teilog                             | Tem                     | porary Well: UYes UNo       |  |  |
| Screen                                                                              | Diameter:                             | с.<br>                             | nches                                         | Type: 🗅 r                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | VC 🛛 Stainle                                 | ess 🖸 Galv. Ste                                                           | eel 🛛 Tefloni                            | R C Other:              |                             |  |  |
| Total D                                                                             | epth of Well:                         |                                    | feet                                          | From: D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Top of Well Cas                              | sing (TOC)                                                                | Top of Protec                            | tive Casing             | Other                       |  |  |
| Depth t                                                                             | to Static Wate                        | ər:                                | feet                                          | From: 🗅                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Top of Well Cas                              | ing (TOC)                                                                 | Top of Protec                            | tive Casing             | Other                       |  |  |
| Depth t                                                                             | o Product:                            | ·                                  | _feet                                         | From: 😐                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Top of Well Cas                              | ing (TOC)                                                                 | Top of Protec                            | tive Casing             | Other                       |  |  |
| Length                                                                              | of Water Col                          | umn:                               | feet                                          | Well Volum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ie:                                          | gal                                                                       | Screened                                 | Interval (from          | GS):                        |  |  |
|                                                                                     |                                       |                                    |                                               | Note: 1-in we                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ll = 0.041 gal//t                            | 2-in well = 0.1                                                           | 67 gal/ít 4-in                           | well = 0.667 gal        | lt 6-in well = 1.469 gal/lt |  |  |
| . PUR                                                                               | GEDATA                                |                                    | Date P                                        | urged: 10.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | May. 1                                       | _ Time:                                                                   |                                          |                         | Equipment Model(s)          |  |  |
| Purge N                                                                             | Aethod: Ce                            | entrifugal Pur                     | np 🛈 Perist                                   | U Bladder Pun<br>altic Pump U Ir                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | np 🕻 🖸 2" Sub. P<br>nertial Lift Pump        | oump Li 4" Sul                                                            | b. Pump                                  | 1. <u>. /</u> .         | I SSG MPS                   |  |  |
| Material                                                                            | s: Pump/Bail                          | er 🖾 Polye                         | thylene DIS                                   | tainless D PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              | Other:                                                                    |                                          | 2. D                    | RT-ISCE                     |  |  |
| Material                                                                            | s: Rope/Tubir                         |                                    | thylene 🖸 Po                                  | olypropylene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | = uriela-Cle<br>] Teflon® ⊡ N                | vion 🖸 Other                                                              | osable                                   | 3.                      |                             |  |  |
| Volume                                                                              | to Durne (                            | Dedica                             | ated D Pre                                    | pared Off-Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | G Field-Clean                                | ed Disposa                                                                | able                                     | с. <u> </u>             |                             |  |  |
| Waswo                                                                               | to Purge (min                         | וווי (imum):<br>ארע דע             | well y                                        | volumes or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              | gallons                                                                   |                                          | 4,                      |                             |  |  |
| TTUS NEI                                                                            | Cum. Gallon:                          | s pH                               | Temp                                          | Spec. Cond                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              | gal/min                                                                   |                                          |                         | Calibrated?                 |  |  |
| Time                                                                                | Removed<br>(gal)                      | ±0.1 su                            | ±2°C                                          | > of ±3% or<br>±10 µS/cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | > of ±10% or<br>±20 mV                       | > of ±10% or<br>±0.2 mg/l                                                 | Turbidity<br>≤ 10 NTU                    | Water Level             | Comments                    |  |  |
| :30                                                                                 | 5                                     | 5.63                               | 19.41                                         | 0.054                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 156.2                                        | 190                                                                       | 1.14                                     |                         |                             |  |  |
| -                                                                                   |                                       |                                    | l                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              | 1.2                                                                       |                                          |                         |                             |  |  |
| 1                                                                                   |                                       |                                    |                                               | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              | !                                                                         |                                          |                         |                             |  |  |
|                                                                                     |                                       |                                    |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                                                                           |                                          |                         |                             |  |  |
|                                                                                     |                                       |                                    |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                                                                           |                                          | 1                       |                             |  |  |
|                                                                                     | · · · · · · · · · · · · · · · · · · · |                                    |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                                                                           | -                                        | 1                       |                             |  |  |
|                                                                                     |                                       |                                    |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              | a Para                                                                    | -11                                      | Purge data d            | ontinued on next sheet?     |  |  |
| SAIVIP                                                                              | LING DA                               | IA                                 |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                                                                           |                                          | Geochei                 | nical Analyses              |  |  |
| /lethod(s)                                                                          | : 🖵 Bail<br>Centr                     | er, Size:<br>ifugal Pump           | U Peristaltic                                 | Bladder Pump<br>Pump CI Inerti                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 🖸 2" Sub. Pum<br>ial Lift Pump 🗀             | p 🖸 4" Sub. P<br>Other:                                                   | ump                                      | Ferrous                 | ron: //                     |  |  |
|                                                                                     | Pump/Bailer                           | Dedicate                           | ene 🖸 Stain                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Teflon®                                      | Other:                                                                    |                                          |                         |                             |  |  |
| /laterials:                                                                         |                                       |                                    |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | u rield-Cleane                               | d Disposat                                                                | ole                                      | 00:                     | mg/L                        |  |  |
| Aaterials:<br>1aterials:                                                            | Tubing/Rope                           | D Polyethyl                        | ene 🛛 Polyp                                   | ropyiene Lite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                                                           |                                          |                         | 1 /                         |  |  |
| Materials:<br>Materials:                                                            | Tubing/Rope                           | Dedicated                          | ene Ll Polyp<br>d D Prepare                   | ed Off-Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Field-Cleaned                                | Disposable                                                                |                                          | Nitrate:                | mg/L                        |  |  |
| Materials:<br>Materials:<br>Materials:                                              | Tubing/Rope                           | Dedicated                          | g:                                            | ed Off-Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Field-Cleaned                                | Disposable                                                                | No                                       | Nitrate:<br>Sulfate:    | mg/L                        |  |  |
| Aterials:<br>Aterials:<br>Pepth to W<br>22<br>ample ID:<br>uplicate S               | Tubing/Rope                           | Dedicated<br>Sample Dat            | ene Li Polyp<br>di Di Preparo<br>g:           | Green Sample Tin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Field-Cleaned<br>Field Filtered?             | U Disposable                                                              | No<br>rs:_2                              | Sulfate:<br>            | mg/L<br>mg/L                |  |  |
| Materials:<br>Materials:<br>Depth to W<br>S2<br>ample ID:<br>uplicate S<br>quipment | Tubing/Rope                           | Dedicated<br>Samplin<br>Sample Dat | ene Dolyp<br>D Prepare<br>g:<br>e:<br>es d No | Green and the set off-Site and the set off-Site and the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set o | Field-Cleaned<br>Field Filtered?<br>ne: 1530 | Orner:     Disposable     Yes     Yes     # of Containe     # of Containe | No<br>rs:_2<br>rs:                       | Sulfate:<br>Alkalinity: | mg/L<br>mg/L<br>mg/L        |  |  |



WELL ID: 628 Airline Rd

|          | Cun Gallons | pH Femp.         | Spec. Cond.              | ORP                    | DO                                    | Turbidity | Materiaval  | Comments                              |
|----------|-------------|------------------|--------------------------|------------------------|---------------------------------------|-----------|-------------|---------------------------------------|
| ime      | Removed     | 1±0.1 su ( ±22°C | • of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L             | ≤ 10 NTU  | Water Level |                                       |
|          |             |                  |                          | 1.<br>1                |                                       |           |             | 51<br>                                |
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|          |             |                  |                          |                        | (- ) - j=4 ;                          | •         |             |                                       |
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|          |             |                  | 16                       |                        | 1                                     | 3         | 1           |                                       |

Purge data continued on next sheet?



WELL ID: 335 Elrod Rd

| Clie                                                                                       | ect Number: <u>1</u>                                                                                                                                    | <u>38670</u>                                                                                                                    | Task N                                                                               | lumber: <u>300</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | .003                                                                                                               | Area of C                                                                                                                            | oncern:                       |                                                                                  |                                                                                     |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Ciler                                                                                      | n: <u>Owens Co</u>                                                                                                                                      |                                                                                                                                 |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    | Personne                                                                                                                             | l:                            |                                                                                  |                                                                                     |
|                                                                                            | ect Location: <u>A</u>                                                                                                                                  | nderson                                                                                                                         | <u>, South (</u>                                                                     | Carolina                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                    | Weather:                                                                                                                             |                               |                                                                                  |                                                                                     |
| 2. WE                                                                                      | LL DATA                                                                                                                                                 |                                                                                                                                 | Date                                                                                 | Measured:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                    | Time:                                                                                                                                |                               |                                                                                  |                                                                                     |
| Casii                                                                                      | ng Diameter:                                                                                                                                            |                                                                                                                                 | inches                                                                               | Туре: 🕒                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PVC 🛄 Stainl                                                                                                       | ess 🛄 Galv. S                                                                                                                        | teel 🛈 Teflon                 | ーーー ie<br>ゆ ロ Other:                                                             | mporary Well: UYes UN                                                               |
| Scree                                                                                      | en Diameter:                                                                                                                                            |                                                                                                                                 | inches                                                                               | Туре: 📋                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PVC 🖾 Staint                                                                                                       | ess 🛛 Galv. S                                                                                                                        | teel 🛛 Teflon                 | @ U Other:                                                                       |                                                                                     |
| Total                                                                                      | Depth of Well:_                                                                                                                                         |                                                                                                                                 | feet                                                                                 | From: 🗳                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Top of Well Ca                                                                                                     | sing (TOC)                                                                                                                           | Top of Prote                  | ctive Casing                                                                     | Other                                                                               |
| Depti                                                                                      | n to Static Wate                                                                                                                                        | r:                                                                                                                              | feet                                                                                 | From: 🗅                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Top of Well Cas                                                                                                    | sing (TOC)                                                                                                                           | Top of Prote                  | ctive Casing (                                                                   | D Other                                                                             |
| Depth                                                                                      | to Product:                                                                                                                                             |                                                                                                                                 | feet                                                                                 | From: 🖸                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Top of Well Cas                                                                                                    | sing (TOC)                                                                                                                           | Top of Protec                 | ctive Casing                                                                     | Other:                                                                              |
| Lengt                                                                                      | h of Water Colu                                                                                                                                         | ımn:                                                                                                                            | feet                                                                                 | Well Volun                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ne:                                                                                                                | gal                                                                                                                                  | Screened                      | Interval (from                                                                   | - CS):                                                                              |
|                                                                                            |                                                                                                                                                         |                                                                                                                                 |                                                                                      | Note: 1-in we                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ell = 0.041 gal/ft                                                                                                 | 2-in well = 0.                                                                                                                       | 167 galift 4-in               | well = 0.667 ga                                                                  | n//t 6-in well = 1,469 gal/ft                                                       |
| . PUr                                                                                      |                                                                                                                                                         | 1                                                                                                                               | Date P                                                                               | urged:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                    | _ Time:                                                                                                                              |                               |                                                                                  | Equipment Model(s)                                                                  |
| Purge                                                                                      | Method: Cer                                                                                                                                             | aller, Size:<br>htrifugal Pur                                                                                                   | mp 🖸 Peris                                                                           | Bladder Pun<br>taltic Pump 🖸 li                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | np 🖸 2" Sub. F<br>nertial Lift Pump                                                                                | Pump 🛄 4" Su<br>Di Other                                                                                                             | ib. Pump                      | 1.                                                                               |                                                                                     |
| Materi                                                                                     | als: Pump/Baile                                                                                                                                         | r Dedic                                                                                                                         | thylene DS                                                                           | tainless D PV(                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C 🛛 Teflon®                                                                                                        | Other:                                                                                                                               |                               | ···                                                                              |                                                                                     |
| Materi                                                                                     | als: Rope/Tubin                                                                                                                                         |                                                                                                                                 | ihylene 🖸 P                                                                          | olvoropylene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Toffor@ II N                                                                                                       | aned Disp                                                                                                                            | osable                        | <u>د</u>                                                                         |                                                                                     |
| 14-1                                                                                       |                                                                                                                                                         | 9 🖸 Dedica                                                                                                                      | ated D Pre                                                                           | pared Off-Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | G Field-Clean                                                                                                      | ed 🖵 Dispos                                                                                                                          | able                          | 3                                                                                |                                                                                     |
| Volum                                                                                      | e to Purge (mini                                                                                                                                        | mum):                                                                                                                           | well                                                                                 | volumes or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10                                                                                                                 | gallons                                                                                                                              |                               | 4                                                                                |                                                                                     |
| was w                                                                                      | ell purged dry?                                                                                                                                         | U Yes                                                                                                                           | No                                                                                   | Pumping Ra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | te:                                                                                                                | gal/min                                                                                                                              |                               |                                                                                  | Calibrated? 🖸 Yes 🗳                                                                 |
| Time                                                                                       | Removed                                                                                                                                                 | PH                                                                                                                              | Temp                                                                                 | Spec. Cond.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ORP                                                                                                                | DO                                                                                                                                   | Turbidity                     |                                                                                  |                                                                                     |
|                                                                                            | (gal)                                                                                                                                                   | ±0.1 su                                                                                                                         | ±2°C                                                                                 | > 01 ±3% or<br>±10 µS/cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | > of ±10% or<br>±20 mV                                                                                             | > of ±10% or<br>±0.2 mg/l                                                                                                            | ≤ 10 NTU                      | Water Level                                                                      | Comments                                                                            |
|                                                                                            |                                                                                                                                                         |                                                                                                                                 |                                                                                      | !                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |                                                                                                                                      |                               | <u> </u>                                                                         |                                                                                     |
|                                                                                            |                                                                                                                                                         |                                                                                                                                 |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    |                                                                                                                                      |                               |                                                                                  |                                                                                     |
|                                                                                            |                                                                                                                                                         |                                                                                                                                 |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    |                                                                                                                                      |                               | 1                                                                                |                                                                                     |
|                                                                                            |                                                                                                                                                         |                                                                                                                                 |                                                                                      | а — 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                    | · .                                                                                                                                  |                               |                                                                                  |                                                                                     |
|                                                                                            |                                                                                                                                                         |                                                                                                                                 |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    |                                                                                                                                      |                               |                                                                                  |                                                                                     |
| ~                                                                                          |                                                                                                                                                         | -                                                                                                                               |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    |                                                                                                                                      |                               |                                                                                  |                                                                                     |
|                                                                                            |                                                                                                                                                         |                                                                                                                                 |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    |                                                                                                                                      |                               |                                                                                  |                                                                                     |
| ~                                                                                          |                                                                                                                                                         |                                                                                                                                 |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    |                                                                                                                                      |                               |                                                                                  |                                                                                     |
| SAMF                                                                                       |                                                                                                                                                         | -                                                                                                                               |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    |                                                                                                                                      |                               | Purge data d                                                                     | continued on next sheet? (                                                          |
| SAMF                                                                                       | PLING DAT                                                                                                                                               | A<br>Size:                                                                                                                      |                                                                                      | Bladder Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                    |                                                                                                                                      |                               | Purge data o                                                                     | continued on next sheet? (<br>mical Analyses                                        |
| SAMF<br>//ethod(s                                                                          | PLING DAT                                                                                                                                               | A<br>; Size:<br>.gal Pump                                                                                                       | D I                                                                                  | Bladder Pump<br>: Pump 🔄 Inerti                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2" Sub. Pump                                                                                                       | o 🖸 4" Sub. P<br>Other:                                                                                                              | ump                           | Purge data o<br>Geoche<br>Ferrous                                                | continued on next sheet? (<br>mical Analyses<br>Iron: ma/l                          |
| SAMF<br>Method(s                                                                           | PLING DAT<br>s): Bailer<br>Centrifu<br>: Pump/Bailer                                                                                                    | 「A<br>r, Size:<br>Jgal Pump<br>□ Polyethyle<br>□ Dedicated                                                                      | Peristaltic                                                                          | Bladder Pump<br>: Pump □ Inerti<br>less □ PVC □<br>ared Off-Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | □ 2" Sub. Pump<br>al Lift Pump □<br>I Teflon@ □                                                                    | o [] 4" Sub. P<br>Other:<br>Other:                                                                                                   | ump                           | Purge data o<br>Geoche<br>Ferrous                                                | continued on next sheet? (<br>mical Analyses<br>Iron: mg/L                          |
| SAMF<br>Iethod(s<br>laterials                                                              | PLING DAT<br>5):<br>Centrifut<br>Pump/Bailer<br>Tubing/Rope                                                                                             | TA<br>r, Size:<br>gal Pump<br>□ Polyethyle<br>□ Dedicated<br>□ Polyethyle                                                       | Peristallic     Peristallic     Peristallic     Prep     Peristallic                 | Bladder Pump<br>: Pump I Inerti<br>less I PVC I<br>vared Off-Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2" Sub. Pump<br>al Lift Pump ()<br>Teflor@ ()<br>Field-Cleaned<br>flor@ () Nvion                                   | o [] 4" Sub. P<br>Other:<br>Other:<br>d [] Disposat                                                                                  | ump                           | Purge data o<br><u>Geoche</u><br>Ferrous<br>DO:                                  | continued on next sheet? (<br>mical Analyses<br>Iron: mg/L<br>mg/L                  |
| SAMF<br>Nethod(s<br>Naterials<br>laterials                                                 | PLING DAT<br>s): Bailer<br>Centrifu<br>Pump/Bailer<br>Tubing/Rope                                                                                       | A<br>r, Size:                                                                                                                   | Peristaltic<br>ane Staini<br>Prep<br>ne Polyp<br>Prepare                             | Bladder Pump<br>Pump Inerti<br>less PVC I<br>pared Off-Site<br>ropylene Te<br>ed Off-Site I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2° Sub. Pump<br>al Lift Pump<br>Teflor®<br>Field-Cleaned<br>flor® Nylon<br>Field-Cleaned                           | o I 4" Sub. P<br>Other:<br>Other:<br>I Disposat<br>I Other:<br>I Disposable                                                          | ump                           | Purge data o<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:                             | continued on next sheet? (<br>mical Analyses<br>Iron: mg/L<br>mg/L                  |
| SAMF<br>Aethod(s<br>laterials<br>laterials<br>epth to V<br>ample IF                        | PLING DAT<br>5):<br>Centrifit<br>Pump/Bailer<br>Tubing/Rope<br>Water at Time o<br>C                                                                     | A<br>r, Size:<br>gal Pump<br>Dedicated<br>Dedicated<br>Polyethyle<br>Dedicated<br>f Sampling                                    | Peristaltic<br>Peristaltic<br>Prep<br>Polyp<br>Prepare<br>I                          | Bladder Pump<br>: Pump I Inerti<br>less I PVC I<br>aared Off-Site<br>ropylene I Te<br>ed Off-Site I I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2" Sub. Pump<br>al Lift Pump []<br>Teflon@ []<br>Field-Cleaned<br>flon@ [] Nylon<br>Field-Cleaned<br>eld Filtered? | o [] 4" Sub. P<br>Other:<br>Other:<br>] Other:<br>] Other:<br>] Disposable<br>] Yes []                                               | ump<br>ole                    | Purge data o<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:                 | continued on next sheet? (<br>mical Analyses<br>Iron: mg/L<br>mg/L<br>mg/L          |
| SAMF<br>Method(s<br>Materials<br>laterials<br>epth to Mample IC<br>uplicate                | PLING DAT<br>s): Bailer<br>Centrifu<br>: Pump/Bailer<br>: Tubing/Rope<br>Water at Time o<br>D: Sa<br>Sample Collect                                     | A<br>r, Size:<br>Jaal Pump<br>Polyethyle<br>Dedicated<br>Polyethyle<br>Dedicated<br>f Sampling<br>ample Date                    | Peristaltic<br>ane Staini<br>Prep<br>ne Polyp<br>Prepare<br>;                        | Bladder Pump<br>Pump I Inertii<br>less I PVC<br>ivared Off-Site<br>ropylene I Te<br>ed Off-Site I<br>Fi<br>Sample Tim                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2" Sub. Pump<br>al Lift Pump<br>Teflor®<br>Field-Cleaned<br>flor® Nylon<br>Field-Cleaned<br>eld Filtered?<br>e:    | o 4 Sub. P<br>Other:<br>Other:<br>Disposat<br>Disposable<br>Disposable<br>Yes<br># of Contained                                      | ump<br>ble<br>No<br>rs:       | Purge data d<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity:  | incal Analyses iron: mg/L mg/L mg/L mg/L mg/L                                       |
| SAMF<br>Nethod(s<br>Naterials<br>laterials<br>apple IC<br>ample IC<br>uplicate             | PLING DAT<br>S):<br>Centrifit<br>Pump/Bailer<br>Tubing/Rope<br>Water at Time o<br>Sample Collected<br>t Blank Collected                                 | TA<br>r, Size:<br>gal Pump<br>Polyethyle<br>Dedicated<br>Polyethyle<br>Dedicated<br>f Sampling<br>ample Date<br>ed?Ye:<br>d2Ye: | Peristaltic<br>ane I Stain.<br>I Prep<br>Ine Polyp<br>Prepare<br>J:<br>S I No        | Bladder Pump<br>: Pump Inerti<br>less I PVC I<br>ared Off-Site I Te<br>ed Off-Site I I<br>Fi<br>Sample Tim<br>ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2" Sub. Pump<br>al Lift Pump []<br>Field-Cleaned<br>flon® [] Nylon<br>Field-Cleaned<br>eld Filtered?<br>e:         | o [] 4" Sub. P<br>Other:<br>Other:<br>] Disposable<br>] Disposable<br>] Yes []<br># of Container<br># of Container                   | ump<br>ble<br>No<br>rs:       | Purge data of<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity: | continued on next sheet? (<br>mical Analyses<br>Iron: mg/L<br>mg/L<br>mg/L<br>mg/L  |
| SAMF<br>Method(s<br>Naterials<br>laterials<br>epth to N<br>ample IC<br>uplicate<br>guipmen | PLING DAT<br>s): Gentrifu<br>: Pump/Bailer<br>: Tubing/Rope<br>Water at Time o<br>D: Sa<br>Sample Collecter<br>t Blank Collecter                        | TA<br>r, Size:<br>Jgal Pump<br>Polyethyle<br>Dedicated<br>Polyethyle<br>Dedicated<br>f Sampling<br>ample Date<br>ed? Q Yes      | Peristaltic<br>ene I Stain<br>1 Prep<br>ine Polyp<br>Prepare<br>3:<br>s I No<br>5 No | Bladder Pump<br>Pump l Inerti<br>less PVC l<br>pared Off-Site<br>ropylene te<br>ed Off-Site f<br>Fi<br>Sample Tim<br>ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2" Sub. Pump<br>al Lift Pump<br>Field-Cleaned<br>flon® D Nylon<br>Field-Cleaned<br>eld Filtered?<br>e:             | o 2 4" Sub. P<br>Other:<br>Other:<br>Disposable<br>Disposable<br>Yes 2<br># of Container<br># of Container                           | ump<br>ble<br>No<br>rs:<br>s: | Purge data d<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity:  | continued on next sheet? ()<br>mical Analyses<br>Iron: mg/L<br>mg/L<br>mg/L<br>mg/L |
| SAMF<br>Aethod(s<br>laterials<br>laterials<br>apple IC<br>uplicate<br>quipmen              | PLING DAT<br>a): Bailer<br>Centrifu<br>Pump/Bailer<br>Tubing/Rope<br>Water at Time o<br>Comple Collecter<br>Sample Collecter<br>Blank Collecter<br>ENTS | A<br>r, Size:                                                                                                                   | Peristaltic<br>ene I Stain<br>I Prep<br>Prepare<br>I:<br>S I No<br>S I No            | Bladder Pump<br>: Pump Inerti<br>less I PVC I<br>vared Off-Site I Te<br>ed Off-Site I Te<br>Ed Off-Site I I<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>Fi<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br>FI<br> | 2" Sub. Pump<br>al Lift Pump 1<br>Field-Cleaned<br>flon® 1 Nylon<br>Field-Cleaned<br>eld Filtered?<br>e:           | o [] 4" Sub. P<br>Other:<br>Other:<br>] Disposable<br>] Disposable<br>] Yes []<br># of Container<br># of Container<br># of Container | ump<br>ble<br>No<br>'s:<br>s: | Purge data of<br>Geoche<br>Ferrous<br>DO:<br>Nitrate:<br>Sulfate:<br>Alkalinity: | continued on next sheet? (<br>mical Analyses<br>Iron: mg/L<br>mg/L<br>mg/L<br>mg/L  |



### WELL ID: 335 Elrod Rd

| UR        | GEDATA                           | 100mm          | Temp | Spec. Cond.              | ORP                    | סט                        | Turbidity |             | Comments |
|-----------|----------------------------------|----------------|------|--------------------------|------------------------|---------------------------|-----------|-------------|----------|
| ine       | Cum. Gallons<br>Removed<br>(gal) | ייט<br>±0.1 su | ±2"C | > of ±3% or<br>±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU  | Water Level |          |
| <u></u>   |                                  |                |      |                          |                        |                           |           |             |          |
|           |                                  |                |      | 1                        | 1                      |                           |           |             |          |
|           | 1                                |                |      |                          |                        |                           |           |             |          |
|           |                                  |                |      |                          | 1                      |                           | 9         |             |          |
|           |                                  |                | 1    |                          |                        |                           |           |             |          |
|           |                                  |                |      |                          |                        |                           |           |             |          |
|           |                                  |                |      |                          | 0 2<br>0 2             | -                         |           |             | U.       |
|           |                                  |                |      |                          |                        |                           |           |             |          |
|           |                                  | 1              | -    |                          |                        |                           |           |             |          |
|           |                                  |                | 1    |                          |                        |                           |           |             |          |
|           |                                  |                | -    |                          |                        |                           |           |             |          |
|           | 0                                | R              |      |                          |                        | 1                         | 1         |             |          |
| -         |                                  | 1              |      |                          |                        | <u> </u>                  |           |             |          |
|           |                                  |                |      |                          |                        |                           |           |             |          |
|           |                                  | *              |      | 1                        |                        |                           |           |             |          |
|           |                                  |                |      |                          |                        |                           |           |             | 1.21     |
|           | 8                                | 1              |      |                          |                        |                           |           |             |          |
|           |                                  |                |      |                          | 0                      |                           |           |             |          |
|           |                                  |                |      |                          |                        |                           |           |             |          |
| G         |                                  | <u> </u>       |      |                          |                        | 1                         |           |             |          |
|           |                                  |                |      |                          |                        |                           |           |             |          |
|           |                                  |                |      |                          |                        |                           |           |             | 5.0      |
| т 16<br>Ц | 1                                |                |      |                          |                        |                           |           |             |          |
|           |                                  |                |      |                          |                        |                           |           |             | S        |
|           |                                  |                |      |                          |                        |                           |           |             |          |
|           |                                  |                |      |                          |                        |                           |           |             |          |
|           |                                  |                | 1    |                          |                        |                           |           |             |          |
|           |                                  |                |      |                          |                        |                           |           |             |          |
| 0         |                                  |                |      |                          |                        |                           |           |             |          |
|           |                                  |                |      | 5                        | A 3                    |                           |           |             |          |

Purge data continued on next sheet?

# BROWNAND

#### GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 134 Friendship Ln

| 1 PBC          | LECT INF                            | ORMA                    |                         |                                                            |                                   |                             |                 |                  |                             |  |
|----------------|-------------------------------------|-------------------------|-------------------------|------------------------------------------------------------|-----------------------------------|-----------------------------|-----------------|------------------|-----------------------------|--|
| Projec         | t Number: 13                        | 8670                    |                         |                                                            | 0.2                               |                             |                 |                  |                             |  |
| Client:        | Owens Cor                           | mina                    |                         | mber: <u></u>                                              |                                   | Area or Concern:            |                 |                  |                             |  |
| Proiec         | t Location: An                      | derson                  | South Ca                | arolina                                                    |                                   | Weather Prode Class ~ 1 CVF |                 |                  |                             |  |
|                |                                     |                         |                         |                                                            |                                   |                             | sery ci         | ~ 3              | • /                         |  |
|                |                                     |                         | Date M                  | leasured: _                                                | й.<br>-                           | _ Time:                     |                 | Tem              | porary Well: □Yes □No       |  |
| Casing         | Diameter:                           | in                      | ches                    | ואני: Type: יין ניי<br>דיייייייייייייייייייייייייייייייייי | VC LI Stainle                     | ss 🛛 Galv. Ste              | el 🗋 Teflorié   | Other:           |                             |  |
| Screen         | Diameter:                           | in                      | ches                    | Type: UP                                                   | VC U Stainle:                     | ss 🖾 Galv. Ste              | el 🖵 Teflon®    | Other:           |                             |  |
| Total          | epth of Well:                       |                         | _feet                   | From: UT                                                   | op of Well Casi                   | ng (TOC)                    | Top of Protec   | tive Casing      | Other:                      |  |
| Depth          | to Static Water                     |                         | _feet                   |                                                            | op of Well Casi                   | ng (TOC)                    | Top of Protec   | tive Casing      | Other:                      |  |
| Depth          | to Product:                         |                         | _feet                   | From: U F                                                  | op of Well Casi                   | ng (TOC)                    | Top of Protec   | tive Casing      | Other:                      |  |
| Length         | of Water Colur                      | mn:                     | _feet                   | Note: 1-in wel                                             | ə:<br>l = 0.041 aal/ft            | gal<br>2-in well - 0 ti     | Screened        | Interval (from   | GS):                        |  |
| 3 PUB          | GE DATA                             |                         | Date Pi                 | urgod: 11                                                  | 1 <i>11</i>                       | Time                        | or yant 4-in    | well = 0.007 gal | 11 6-In Well = 1.469 gal/It |  |
| Purce          | Vethod <sup>.</sup> <sup>L</sup> Ba | ailer, Size: _          |                         | Bladder Pum                                                | P [] 2" Sub. P                    | _ Inne:<br>ump []] 4" Sub   | . Pump          | v                | Equipment Model(s)          |  |
| i digo i       | Cer                                 | trifugal Pum            | p 🖸 Perista             | altic Pump 🗀 In                                            | ertial Lift Pump                  | Other:                      |                 | 1. <u>1</u> .    | Den Com                     |  |
| Materia        | ls: Pump/Baile                      | r 🛛 Polyeti<br>🔾 Dedica | ited LISt               | repared Off-Site                                           | I Teflon®                         | Other: aned Dispo           | osable          | 2. <u> </u>      | MAISCE                      |  |
| Materia        | ls: Rope/Tubin                      | g U Polyeth             | ted D Pro               | lypropylene                                                | Teflon® C N                       | ylon Other:_                | <u></u>         | 3                |                             |  |
| Volume         | to Purae (mini                      | mum):                   | weil                    |                                                            |                                   | a u Disposa                 | IDIE            | 4                |                             |  |
| Was we         | I purged dry?                       | C) Yes                  | D No                    | Pumping Ra                                                 | te:                               | galions<br>gal/min          |                 |                  | Calibrated?                 |  |
|                | Cum. Gallons                        | рН                      | Temp                    | Spec. Cond.                                                | ORP                               | DO                          | Turbidity       |                  | ·····                       |  |
| Time           | Removed<br>(gal)                    | ±0.1 su                 | ±2°C                    | > of ±3% or                                                | > of ±10% or                      | > of ±10% or                | ≤ 10 NTU        | Water Level      | Comments                    |  |
|                |                                     |                         |                         | ±10 µS/cm                                                  | ±20 mV                            | ±0.2 mg/L                   |                 |                  |                             |  |
|                | 1 1 1 1 1                           |                         |                         |                                                            |                                   |                             |                 |                  | <u> </u>                    |  |
| - <sup>6</sup> |                                     |                         |                         |                                                            |                                   |                             |                 |                  |                             |  |
|                |                                     |                         |                         | 1                                                          |                                   |                             |                 | 1                |                             |  |
|                |                                     | 1                       |                         |                                                            |                                   |                             | Ча <u>.</u> Ч д |                  |                             |  |
|                |                                     |                         |                         |                                                            |                                   |                             |                 |                  |                             |  |
|                |                                     |                         |                         | C <sup>11</sup> 12                                         |                                   |                             |                 |                  |                             |  |
|                |                                     | <b>T</b> A              |                         |                                                            |                                   |                             | -               | Purge data       | continued on next sheet?    |  |
| +. SAIVIF      |                                     |                         |                         |                                                            |                                   |                             |                 | Geoche           | emical Analyses             |  |
| Method(s       | s): U Centri                        | ifugal Pump             | C Peristalti            | c Pump 🖵 Inert                                             | □ 2" Sub. Purr<br>ial Lift Pump □ | 1p 01 4" Sub. F<br>1 Other: | oump            | Ferrous          | Iron:mg/L                   |  |
| Materials      | : Pump/Bailer                       | Polyethyl               | ene 🖸 Stair<br>d 🗇 Prei | nless D PVC                                                | Tellon® 🖸                         | Other:                      |                 | DO:              | ma/L                        |  |
| Materials      | : Tubina/Rope                       | C Polyethyl             | ene 🗆 Polyp             | propylene                                                  | eflon® D Nylo                     | n Li Other:                 | Die             | Nitrato          | mall                        |  |
| Donth to       |                                     | Dedicated               | d 🖸 Prepai              | red Off-Site                                               | Field-Cleaned                     | Disposable                  | )               | initiale.        |                             |  |
| Sumala 1       | Water at time                       | or Samplin              | g:                      | f                                                          | ield Filtered?                    | 🖸 Yes 🗅                     | No              | Sulfate:         | mg/L                        |  |
|                | Sample Colle                        | sample Dal              | re:                     | Sample Tir                                                 | ne:                               | # of Containe               | ers:            | Alkalinit        | y:( mg/L                    |  |
| Equipmo        | anipie Collec                       |                         |                         | ID:                                                        |                                   | # of Containe               | ers:            |                  |                             |  |
|                | IN DIAIN COILEC                     |                         |                         |                                                            |                                   | # of Containe               | ers:            |                  |                             |  |
| . COMN         | AENTS (                             | no }                    | diacon                  | nestal                                                     |                                   |                             |                 |                  |                             |  |
|                |                                     | <u> </u>                |                         |                                                            |                                   |                             | <u></u>         |                  |                             |  |
| nta: tochuda - | ammonte such                        |                         |                         |                                                            |                                   | 2                           | 1.1             | 1                |                             |  |
| Ja. Include C  | omments such as                     | well conditio           | n, odor, pres           | sence of NAPL, a                                           | or other items n                  | ot on the field da          | ita sheet.      |                  |                             |  |
|                |                                     |                         |                         |                                                            | , a                               | -                           | 1381-           |                  | • • • • • • • • •           |  |



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#### GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 134 Friendship Ln

|     | Cum Gailons        | pН                   | , Femp | "Spec. Cond.               | ORP                    | DO                        | Turbidity      | 1                    |
|-----|--------------------|----------------------|--------|----------------------------|------------------------|---------------------------|----------------|----------------------|
| ime | Removed<br>(gal)** | ±0.1 su              | ±2 °C  | > of ±3% or<br>✓ ±10 µS/cm | > of ±10% or<br>±20 mV | > of ±10% or<br>±0.2 mg/L | ≤ 10 NTU       | Water Level Comments |
| 1   |                    | 1                    |        |                            | -                      |                           |                |                      |
| 1   | · · · ·            |                      | _      |                            |                        |                           |                | <u>i</u>             |
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| _   |                    |                      |        |                            |                        |                           |                |                      |
|     | 4                  |                      |        |                            | 1                      | w.                        |                |                      |
|     |                    |                      |        |                            |                        | •                         | -              |                      |
|     |                    |                      |        |                            |                        | 8                         |                |                      |
|     | <b>∵.</b> -1^ .    |                      |        |                            | -                      |                           |                |                      |
|     |                    |                      |        |                            |                        |                           |                |                      |
|     |                    | 11                   |        |                            |                        |                           |                |                      |
|     |                    |                      |        |                            |                        |                           | Π.Υ.           |                      |
|     |                    |                      |        |                            |                        |                           | а <sub>в</sub> |                      |
| =   |                    |                      |        |                            |                        |                           |                |                      |
|     |                    |                      |        |                            | ļ<br>                  |                           |                |                      |
|     |                    | 2,                   |        |                            |                        |                           |                |                      |
|     |                    |                      |        | 57.1.2                     |                        |                           |                |                      |
|     |                    | - 6. <sup>00</sup> - |        |                            |                        |                           |                |                      |
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|     |                    | 100 K                | 24.5   |                            |                        |                           |                | in a start           |
|     |                    |                      |        |                            |                        |                           |                |                      |
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| 1.8 | j                  |                      |        |                            |                        |                           |                |                      |

Purge data continued on next sheet?

Sidestura

#### Appendix B: Laboratory Analytical Reports



#### ANALYTICAL ENVIRONMENTAL SERVICES, INC.



February 28, 2011

Tamara BerrvmanBROWN AND CALDWELL990 Hammond DriveAtlantaGA 30328

TEL: (770) 394-2997 FAX: (770) 396-9495

RE: Owens Corning - Quarterly Samples

Dear Tamara Berryman:

Order No: 1102F21

Analytical Environmental Services, Inc. received 27 samples on Februarv 18, 2011 8:00 am for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/10-06/30/11. -AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/11.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Brian Rohr Project Manager

| Ä              | At                         |
|----------------|----------------------------|
| ANALYTICAL ENV | 3785 Presidential Parkway, |
|                |                            |

RONMENTAL SERVICES, INC tlanta GA 30340-3704

CHAIN OF CUSTODY

Work Order: 1102 F2M

| AES TEL.: (770) 457-8177 / TOLL-FREE (800) 9                                                        | 72-4889 / FAX: (770) 457-8188                                                                 | Date:                                                                   | Page / of .                                      | え        |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------|----------|
| COMPANY:<br>BUDIN + Colducti                                                                        | appress.<br>app Hannerd R. NE, Sult Hac                                                       | ANALYSIS REQUESTED                                                      | Visit our website                                | <u> </u> |
|                                                                                                     | Atlanta, 64 30328                                                                             |                                                                         | www.aesatlanta.com                               |          |
| PHONE: -                                                                                            | FAX's                                                                                         |                                                                         | to check on the status of                        | \$J      |
| (77-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-                                                            | (770) 396-9495                                                                                |                                                                         | your results, place bottle                       | iənis)   |
| SAMPLED BY<br>Joss Meader / Der Mc Cley -                                                           | signapare:                                                                                    | * <sup>5</sup> 7(                                                       | orders, etc.                                     | noD lo   |
|                                                                                                     | SAMPLED & 3                                                                                   |                                                                         |                                                  | # oN     |
| # SAMPLE ID                                                                                         | ds:                                                                                           | PRESERVATION (See codes)                                                | REMARKS                                          |          |
| TR-201411                                                                                           | DATE TIME C X (3 1                                                                            |                                                                         |                                                  | 1        |
| ER-07141                                                                                            |                                                                                               |                                                                         |                                                  | 8 0      |
| 3 EB-02161                                                                                          | 1 1012 1 1012                                                                                 |                                                                         |                                                  |          |
| , E8-021711 .M                                                                                      | 17. F.L. 11 0820                                                                              |                                                                         |                                                  | 4        |
| 5 <del>- 69 - 02   8    1    1    1</del>                                                           |                                                                                               |                                                                         |                                                  | ĥ        |
| « MV-15 U                                                                                           | 12:E411 1415- 6W                                                                              |                                                                         |                                                  | 14       |
| 7 MM-22                                                                                             | 12:29:11 15-12 Il 1                                                                           |                                                                         |                                                  | 14       |
| » MU-29R 23                                                                                         | E.E.b.1 0925                                                                                  |                                                                         |                                                  | 2        |
| » MW-29R ZY                                                                                         | S.E.I iouc                                                                                    |                                                                         |                                                  | 7        |
| 10 MW-35                                                                                            | BERTI OUTO                                                                                    |                                                                         |                                                  | 7        |
| 11 MU-36 Z1                                                                                         | 14.F.6,11 1450                                                                                |                                                                         |                                                  | 2        |
| 12 MU-36 23                                                                                         | Hyterii 1605                                                                                  |                                                                         |                                                  | 2        |
| 13 AU-36 25                                                                                         | 14.Fd 11 1730                                                                                 |                                                                         |                                                  | R        |
| 11 MW-37 ZI                                                                                         | 15.FL.   330, V J                                                                             |                                                                         |                                                  | 2        |
| RELINQUISHED BY DATE/TIME                                                                           | RECEIVED BY DATE/TIME                                                                         | PROJECT INFORMATION                                                     | RECEIPT                                          |          |
| - Vill 2/18/11 0800                                                                                 | 11/20 / 10/ 2/1 B/11                                                                          | PROJECT NAME:<br>Overs Conin - Quendy Serphs                            | Total # of Containers                            | 36       |
|                                                                                                     | Star 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                                    | PROJECT #: V / '                                                        | / Turnaround Time Request                        |          |
| 3                                                                                                   | 3                                                                                             | SITE ADDRESS:                                                           | Standard 5 Business Days                         |          |
|                                                                                                     | 1 33                                                                                          | SEND REPORT TO: TPS menter in bruch C                                   | Next Business Day Rush                           |          |
| SPECIAL INSTRUCTIONS/COMMENTS                                                                       | SHIPMENT METHOD                                                                               | INVOICE TO: //                                                          | O Same Day Rush (auth req.)                      |          |
|                                                                                                     |                                                                                               | (R. DR.FERENT FROM ABOVE)                                               | C Other                                          |          |
| se attend                                                                                           | IN CLIEPAT Fedex UPS MAIL COURIER                                                             |                                                                         | STATE PROGRAM (if any).<br>E-mail? Q/N, Fax? Y/N |          |
|                                                                                                     | CGREYHOUND OTHER                                                                              | QUOTE #: PO#:                                                           | DATA PACKAGE: I II III I                         | 2        |
| SAMPLES RECEIVED AFTER 3FM OR SATURDAY ARE CONS<br>SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION | DERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF<br>OF REPORT UNLESS OTHER ARRANGEMENTS ARE MAI | ' NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD<br>UDE.          | TAT.                                             |          |
| MATRIX CODES: A = Air GW = Groundwater SE = Sediment                                                | SO = Soil SW = Surface Water W = Water (Blanks) DW                                            | V = Drinking Water (Blanks) O = Other (specify) WW = Waste Water        |                                                  |          |
| PRESERVATIVE CODES: $H+I = Hydrochloric acid + ice$ $I = Ice$                                       | only $N = Nitric acid S+I = Sulturic acid + ice S/M+I = Sodiu$                                | ium Bisulfâte/Methanol + ice O = Other (specify) NA = None<br>White Con | wi - Orivinal: Vallou Conc - Olian               |          |
| 2 01 38                                                                                             |                                                                                               | WHIC COP                                                                | y - Unginal, Tenow Copy - Client                 |          |

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|---|----------|-----------------------------|
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| W | Y        | $\triangleleft$             |
| ~ | -        |                             |

ANALYTICAL ENVIRONMENTAL SERVICES, INC 3785 Presidential Parkway, Atlanta GA 30340-3704

CHAIN OF CUSTODY

Work Order: 1102F21

| AES TEL.: (770) 457-8177 / TOLL-FREE (800)                                                                                                            | 972-4889 / FAX: (770) 457-8188                                                                                 | Date:                                                                                                                             | Page 2 of                                               | N         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------|
| Bran + Caldwell                                                                                                                                       | 990 Howmen Q. NE, Suir yee                                                                                     | ANALYSIS REQUESTED                                                                                                                | Visit our website                                       |           |
|                                                                                                                                                       | Adam, GA 30328                                                                                                 |                                                                                                                                   | www.aesatlanta.com                                      | Ι         |
| 101E(730) 391-2997                                                                                                                                    | FAX (770) 396-9405                                                                                             |                                                                                                                                   | to check on the status of<br>vour results. place bottle | JGLS      |
| VELEDBY<br>Leson Meades / Dan McClay                                                                                                                  | SIGNATION                                                                                                      | SS                                                                                                                                | orders, etc.                                            | ní stao O |
|                                                                                                                                                       | SAMPLED 2 3                                                                                                    | 201                                                                                                                               |                                                         | 10 # 0    |
| # SAMPLE ID                                                                                                                                           | da<br>hizoqm<br>tijx<br>tijx                                                                                   | PRESERVATION (See codes)                                                                                                          | REMARKS                                                 | N         |
|                                                                                                                                                       | DATE TIME ČE Co M (S                                                                                           | 111                                                                                                                               |                                                         |           |
| 1 MU-57 22                                                                                                                                            | 16 FILI 1620 × 64                                                                                              | ×                                                                                                                                 |                                                         | 4         |
| 2 MU-54 23                                                                                                                                            | 1970                                                                                                           |                                                                                                                                   |                                                         | 0         |
| 3 MU-38 7                                                                                                                                             | 16.t.h.1 1855                                                                                                  |                                                                                                                                   |                                                         | 2         |
| 4 MU-38 ZZ                                                                                                                                            | HE411 1850                                                                                                     |                                                                                                                                   |                                                         | 2         |
| 5 ML-39 21                                                                                                                                            | 19-128-11 Od22                                                                                                 |                                                                                                                                   |                                                         | 14        |
| 6 MU-39 2 2                                                                                                                                           | 16.424 11 1310                                                                                                 |                                                                                                                                   |                                                         | 2         |
| 7 NW 39 2 3                                                                                                                                           | 16.fa.11 1550                                                                                                  |                                                                                                                                   |                                                         | 2         |
| 8 MW-41 2                                                                                                                                             | 174311 14410                                                                                                   |                                                                                                                                   |                                                         | 2         |
| , MW-41 22                                                                                                                                            | 14.56.11 1645                                                                                                  |                                                                                                                                   |                                                         | N         |
| 10 MW-411 2 3                                                                                                                                         | 17.Full 1020                                                                                                   |                                                                                                                                   |                                                         | N         |
| MU-42 = 1                                                                                                                                             | 17:54-11 1000                                                                                                  |                                                                                                                                   |                                                         | N         |
| 2 MW-42 2 2                                                                                                                                           | 176411 1255                                                                                                    |                                                                                                                                   |                                                         | D I       |
| 3 MW-47 2 3                                                                                                                                           | Ithen Ruo V                                                                                                    |                                                                                                                                   |                                                         | N         |
| 4 [UV -02.171]                                                                                                                                        | 17-EGU DOG V V                                                                                                 |                                                                                                                                   |                                                         | d         |
| LINQUISHED BY DATE/TIME                                                                                                                               | RECEIVED BY DATE/TIM                                                                                           | E PROJECT INFORMATION                                                                                                             | RECEIPT                                                 | Π         |
| 12/2/ 3/18/11 08020                                                                                                                                   | 14. 1 1 2/18/11                                                                                                | PROJECT NAME:<br>OUENS CONING - QUURY) Soft                                                                                       | Total # of Containers                                   | 20        |
|                                                                                                                                                       | 8.00                                                                                                           | PROJECT #:                                                                                                                        | Turnaround Time Request                                 | ·         |
|                                                                                                                                                       | 3:                                                                                                             | SITE ADDRESS: Aucluser, SC                                                                                                        | Standard 5 Business Days                                |           |
|                                                                                                                                                       |                                                                                                                | SEND REPORT TO: TBENTHER @ BULLED CON                                                                                             | O Next Business Day Rush                                |           |
| BCIAL INSTRUCTIONS/CONAMENTS:<br>Anyrel to Seleet 1st of VCCS See                                                                                     | SHIPMENT METHOD                                                                                                | INVOICE TO: /<br>(IF DIFFERENT FROM ABOVE)                                                                                        | Same Day Rush (auth req.)                               |           |
| لاسلمنه                                                                                                                                               | IN VIA:<br>CLIEM FedEx UPS MAIL COTIRIER                                                                       |                                                                                                                                   | STATE PROGRAM (if any):                                 |           |
|                                                                                                                                                       | CGREYHOUND OTHER                                                                                               | QUOTE#: PO#:                                                                                                                      | E-mail? CV/N; Fax? Y/N<br>DATA PACKAGE: 1 11 111 11     |           |
| WILLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION<br>ATTLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION<br>ATTLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION | DERED AS RECEIVED ON THE NEXT BUSINESS DAY;<br>OF REPORT UNLESS OTHER ARRANGEMENTS ARE N                       | IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD<br>MADE.                                                                  | TAT.                                                    | Γ         |
| ESERVATIVE CODES: $H+I = Hydrochloric acid + ice [ = ]ce ($                                                                                           | SO = Soil SW = Surface Water W = Water (Blanks) I<br>only N = Nitric acid S+1 = Sulfuric acid + ice S/M+1 = S. | DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water<br>odium Bisultate/Methanol + ice O = (Mher (snecify) NA = None |                                                         | 1         |
| 3 of 38                                                                                                                                               |                                                                                                                | White Copy                                                                                                                        | y - Original; Yellow Copy - Client                      |           |

#### Analytical Environmental Services, Inc

Client:BROWN AND CALDWELLProject:Owens Corning - Quarterly SamplesLab ID:1102F21

**Case Narrative** 

Sample Receiving Nonconformance:

The vials received for Sample 1102F21-022 were labeled as "MW-42 Z2" with a collection date & time: 2/14/11 16:45. The sample was listed on the COC as "MW-41 Z2".

2/18/2011 1:11 PM Per Dan McCloy, via email, sample should be reported as "MW-41 Z2".

| Analytical Envir                  | onmental Services                                     | , Inc             |                    |      |                                     |                   | Date:                          | 28-Feb-11           |        |
|-----------------------------------|-------------------------------------------------------|-------------------|--------------------|------|-------------------------------------|-------------------|--------------------------------|---------------------|--------|
| Client:BIProject Name:OvLab ID:11 | ROWN AND CALDW<br>wens Corning - Quarter<br>02F21-002 | ELL<br>ly Samples |                    |      | Client San<br>Collection<br>Matrix: | iple ID:<br>Date: | EB-0215<br>2/15/201<br>Aqueous | 11<br>1 12:30:00 PM |        |
| Analyses                          |                                                       | Result            | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed       | Analys |
| Volatile Organic (                | Compounds by GC/N                                     | MS SW8260B        |                    |      | (SW                                 | (5030B)           |                                |                     |        |
| Vinvl chloride                    |                                                       | BRL               | 2.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| 1.1-Dichloroethen                 | e                                                     | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| Methylene chlorid                 | le                                                    | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| trans-1.2-Dichloro                | bethene                                               | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| 1.1-Dichloroethan                 | e                                                     | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| cis-1.2-Dichloroet                | hene                                                  | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| Chloroform                        |                                                       | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| 1.1.1-Trichloroeth                | ane                                                   | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| Carbon tetrachlori                | ide                                                   | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| Benzene                           |                                                       | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| 1.2-Dichloroethan                 | e                                                     | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| Trichloroethene                   |                                                       | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| Toluene                           |                                                       | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| Tetrachloroethene                 |                                                       | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| Ethylbenzene                      |                                                       | BRL               | 5.0                |      | ug/L                                | 142451            | · 1                            | 02/24/2011 21:21    | GK     |
| Xylenes, Total                    |                                                       | BRL               | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| Surr: 4-Bromoflu                  | lorobenzene                                           | 87.5              | 64.7-130           |      | %REC                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| Surr: Dibromoflu                  | loromethane                                           | 98.5              | 80.7-129           |      | %REC                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |
| Surr: Toluene-d8                  | 3                                                     | 90.5              | 71.1-120           |      | %REC                                | 142451            | 1                              | 02/24/2011 21:21    | GK     |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services,                                               | Inc          |                    |      |                                     |                  | Date:                          | 28-Feb-11           |         |
|----------------------------------------------------------------------------------|--------------|--------------------|------|-------------------------------------|------------------|--------------------------------|---------------------|---------|
| Client:BROWN AND CALDWEIProject Name:Owens Corning - QuarterlyLab ID:1102F21-003 | L<br>Samples |                    |      | Client Sam<br>Collection<br>Matrix: | ple ID:<br>Date: | EB-0216<br>2/16/201<br>Aqueous | 11<br>1 10:15:00 AM |         |
| Analyses                                                                         | Result       | Reporting<br>Limit | Qual | Units                               | BatchID          | Dilution<br>Factor             | Date Analyzed       | Analyst |
| Volatile Organic Compounds by GC/MS                                              | 5 SW8260B    |                    |      | (SW                                 | (5030B)          |                                |                     |         |
| Vinyl chloride                                                                   | BRL          | 2.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| 1,1-Dichloroethene                                                               | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Methylene chloride                                                               | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| trans-1,2-Dichloroethene                                                         | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| 1,1-Dichloroethane                                                               | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| cis-1,2-Dichloroethene                                                           | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Chloroform                                                                       | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| 1,1,1-Trichloroethane                                                            | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Carbon tetrachloride                                                             | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Benzene                                                                          | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| 1,2-Dichloroethane                                                               | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Trichloroethene                                                                  | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Toluene                                                                          | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Tetrachloroethene                                                                | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Ethylbenzene                                                                     | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Xylenes, Total                                                                   | BRL          | 5.0                |      | ug/L                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Surr: 4-Bromofluorobenzene                                                       | 88           | 64.7-130           |      | %REC                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Surr: Dibromofluoromethane                                                       | 101          | 80.7-129           |      | %REC                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |
| Surr: Toluene-d8                                                                 | 91.3         | 71.1-120           |      | %REC                                | 142451           | 1                              | 02/24/2011 21:51    | GK      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical En                       | vironmental Service                                      | s, Inc             |                    |      |                                     |                   | Date:                          | 28-Feb-11          |        |
|-------------------------------------|----------------------------------------------------------|--------------------|--------------------|------|-------------------------------------|-------------------|--------------------------------|--------------------|--------|
| Client:<br>Project Name:<br>Lab ID: | BROWN AND CALDW<br>Owens Corning - Quarte<br>1102F21-004 | ELL<br>rly Samples |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | EB-0217<br>2/17/201<br>Aqueous | 11<br>1 8:20:00 AM |        |
| Analyses                            |                                                          | Result             | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed      | Analys |
| Volatile Organ                      | ic Compounds by GC/                                      | MS SW8260B         |                    |      | (SV                                 | (5030B)           |                                |                    |        |
| Vinvl chloride                      |                                                          | BRL                | 2.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| 1.1-Dichloroet                      | hene                                                     | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Methylene chl                       | oride                                                    | BRL                | 5.0                |      | ng/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| trans-1.2-Dich                      | loroethene                                               | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| 1.1-Dichloroet                      | thane                                                    | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| cis-1.2-Dichlo                      | roethene                                                 | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Chloroform                          |                                                          | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| 1.1.1-Trichlor                      | oethane                                                  | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Carbon tetrach                      | loride                                                   | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Benzene                             |                                                          | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| 1,2-Dichloroet                      | thane                                                    | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Trichloroethen                      | ne                                                       | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Toluene                             |                                                          | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Tetrachloroeth                      | nene                                                     | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Ethylbenzene                        |                                                          | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Xylenes, Total                      | l                                                        | BRL                | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Surr: 4-Brom                        | ofluorobenzene                                           | 85.2               | 64.7-130           |      | %REC                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Surr: Dibrom                        | ofluoromethane                                           | 101                | 80.7-129           |      | %REC                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |
| Surr: Toluene                       | e-d8                                                     | 90                 | 71.1-120           |      | %REC                                | 142451            | 1                              | 02/24/2011 22:20   | GK     |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Service                                            | s, Inc              |                    |      | 6                                   |                   | Date:                          | 28-Feb-11        |         |
|-----------------------------------------------------------------------------|---------------------|--------------------|------|-------------------------------------|-------------------|--------------------------------|------------------|---------|
| Client:BROWN AND CALDWProject Name:Owens Corning - QuarteLab ID:1102F21-001 | /ELL<br>rly Samples |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | TB-0214<br>2/18/201<br>Aqueous | 11<br>1          |         |
| Analyses                                                                    | Result              | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/                                           | MS SW8260B          |                    |      | (SV                                 | V5030B)           |                                |                  |         |
| Vinyl chloride                                                              | BRL                 | 2.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| 1,1-Dichloroethene                                                          | BRL                 | 5.0                |      | ng/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Methylene chloride                                                          | BRL                 | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| trans-1,2-Dichloroethene                                                    | BRL                 | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| 1,1-Dichloroethane                                                          | BRL                 | 5.0                |      | ug/L                                | 142451            | . 1                            | 02/24/2011 20:52 | GK      |
| cis-1,2-Dichloroethene                                                      | BRL                 | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Chloroform                                                                  | BRL                 | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| 1,1,1-Trichloroethane                                                       | BRL                 | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Carbon tetrachloride                                                        | BRL                 | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Benzene                                                                     | BRL                 | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| 1,2-Dichloroethane                                                          | BRL                 | 5.0                |      | ng/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Trichloroethene                                                             | BRL                 | 5.0                |      | ng/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Toluene                                                                     | BRL                 | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Tetrachloroethene                                                           | BRL                 | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Ethylbenzene                                                                | BRL                 | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Xylenes, Total                                                              | BRL                 | 5.0                |      | ug/L                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Surr: 4-Bromofluorobenzene                                                  | 85                  | 64.7-130           |      | %REC                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Surr: Dibromofluoromethane                                                  | 95.6                | 80.7-129           |      | %REC                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |
| Surr: Toluene-d8                                                            | 88.5                | 71.1-120           |      | %REC                                | 142451            | 1                              | 02/24/2011 20:52 | GK      |

- BRL Below reporting limit
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- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Servi                                          | ces, Inc                |                    |      |                                     |                   | Date:                        | 28-Feb-11             |         |
|-------------------------------------------------------------------------|-------------------------|--------------------|------|-------------------------------------|-------------------|------------------------------|-----------------------|---------|
| Client:BROWN AND CALLProject Name:Owens Corning - QuaLab ID:1102F21-005 | OWELL<br>rterly Samples |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-15<br>2/15/201<br>Groundw | 1 2:15:00 PM<br>vater |         |
| Analyses                                                                | Result                  | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor           | Date Analyzed         | Analyst |
| Volatile Organic Compounds by G                                         | C/MS_SW8260B            |                    |      | (SV                                 | V5030B)           |                              |                       |         |
| Vinyl chloride                                                          | BRL                     | 2.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| 1,1-Dichloroethene                                                      | 260                     | 50                 |      | ug/L                                | 142511            | 10                           | 02/25/2011 15:08      | JE      |
| Methylene chloride                                                      | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| trans-1,2-Dichloroethene                                                | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| 1,1-Dichloroethane                                                      | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| cis-1,2-Dichloroethene                                                  | BRL                     | 5.0                |      | ug/L                                | 142511            | I                            | 02/24/2011 18:37      | JT      |
| Chloroform                                                              | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| 1,1,1-Trichloroethane                                                   | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| Carbon tetrachloride                                                    | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| Benzene                                                                 | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| 1,2-Dichloroethane                                                      | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| Trichloroethene                                                         | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| Toluene                                                                 | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| Tetrachloroethene                                                       | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| Ethylbenzene                                                            | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| Xylenes, Total                                                          | BRL                     | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| Surr: 4-Bromofluorobenzene                                              | 94.1                    | 64.7-130           |      | %REC                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| Surr: 4-Bromofluorobenzene                                              | 97.7                    | 64.7-130           |      | %REC                                | 142511            | 10                           | 02/25/2011 15:08      | JE      |
| Surr: Dibromofluoromethane                                              | 96                      | 80.7-129           |      | %REC                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| Surr: Dibromofluoromethane                                              | 97.8                    | 80.7-129           |      | %REC                                | 142511            | 10                           | 02/25/2011 15:08      | JE      |
| Surr: Toluene-d8                                                        | 95.4                    | 71.1-120           |      | %REC                                | 142511            | 1                            | 02/24/2011 18:37      | JT      |
| Surr: Toluene-d8                                                        | 98.3                    | 71.1-120           |      | %REC                                | 142511            | 10                           | 02/25/2011 15:08      | JE      |

- BRL Below reporting limit
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- B Analyte detected in the associated method blank
- > Greater than Result value

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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical En                       | wironmental Services,                                        | Inc             |                    |      |                                     |                   | Date:                        | 28-Feb-11             |         |
|-------------------------------------|--------------------------------------------------------------|-----------------|--------------------|------|-------------------------------------|-------------------|------------------------------|-----------------------|---------|
| Client:<br>Project Name:<br>Lab ID: | BROWN AND CALDWE<br>Owens Corning - Quarterly<br>1102F21-006 | LL<br>/ Samples |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-22<br>2/15/201<br>Groundw | 1 5:45:00 PM<br>vater |         |
| Analyses                            |                                                              | Result          | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor           | Date Analyzed         | Analyst |
| Volatile Organ                      | nic Compounds by GC/M                                        | IS SW8260B      |                    |      | (SV                                 | V5030B)           |                              |                       |         |
| Vinyl chloride                      | 2                                                            | BRL             | 2.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| 1,1-Dichloroe                       | thene                                                        | 570             | 50                 |      | ug/L                                | 142511            | 10                           | 02/25/2011 16:32      | AR      |
| Methylene chl                       | loride                                                       | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| trans-1,2-Dich                      | loroethene                                                   | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| 1,1-Dichloroe                       | thane                                                        | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| cis-1,2-Dichlo                      | proethene                                                    | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| Chloroform                          |                                                              | 12              | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| 1,1,1-Trichlor                      | oethane                                                      | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| Carbon tetrach                      | hloride                                                      | 19              | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| Benzene                             |                                                              | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| 1,2-Dichloroe                       | thane                                                        | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| Trichloroether                      | ne                                                           | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| Toluene                             |                                                              | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| Tetrachloroeth                      | nene                                                         | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| Ethylbenzene                        |                                                              | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| Xylenes, Tota                       | 1                                                            | BRL             | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| Surr: 4-Brom                        | nofluorobenzene                                              | 81.8            | 64.7-130           |      | %REC                                | 142511            | 10                           | 02/25/2011 16:32      | AR      |
| Surr: 4-Brom                        | nofluorobenzene                                              | 94.1            | 64.7-130           |      | %REC                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| Surr: Dibrom                        | nofluoromethane                                              | 95.5            | 80.7-129           |      | %REC                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |
| Surr: Dibrom                        | nofluoromethane                                              | 104             | 80.7-129           |      | %REC                                | 142511            | 10                           | 02/25/2011 16:32      | AR      |
| Surr: Toluen                        | e-d8                                                         | 90.2            | 71.1-120           |      | %REC                                | 142511            | 10                           | 02/25/2011 16:32      | AR      |
| Surr: Toluen                        | e-d8                                                         | 96.3            | 71.1-120           |      | %REC                                | 142511            | 1                            | 02/24/2011 19:05      | JT      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed

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- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services                                            | s, Inc             |                    |      |                                     |                   | Date:                         | 28-Feb-11                     |         |
|------------------------------------------------------------------------------|--------------------|--------------------|------|-------------------------------------|-------------------|-------------------------------|-------------------------------|---------|
| Client:BROWN AND CALDWProject Name:Owens Corning - QuarterLab ID:1102F21-007 | ELL<br>rly Samples |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-29F<br>2/15/201<br>Groundw | R Z3<br>1 9:25:00 AM<br>vater |         |
| Analyses                                                                     | Result             | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor            | Date Analyzed                 | Analyst |
| Volatile Organic Compounds by GC/                                            | MS SW8260B         |                    |      | (SV                                 | V5030B)           |                               |                               |         |
| Vinyl chloride                                                               | BRL                | 2.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| 1,1-Dichloroethene                                                           | 340                | 50                 |      | ug/L                                | 142511            | 10                            | 02/25/2011 14:37              | JT      |
| Methylene chloride                                                           | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| trans-1,2-Dichloroethene                                                     | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| 1,1-Dichloroethane                                                           | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| cis-1,2-Dichloroethene                                                       | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| Chloroform                                                                   | 12                 | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| 1,1,1-Trichloroethane                                                        | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| Carbon tetrachloride                                                         | 16                 | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| Benzene                                                                      | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| 1,2-Dichloroethane                                                           | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| Trichloroethene                                                              | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| Toluene                                                                      | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| Tetrachloroethene                                                            | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| Ethylbenzene                                                                 | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| Xylenes, Total                                                               | BRL                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 19:34              | JТ      |
| Surr: 4-Bromofluorobenzene                                                   | 92                 | 64.7-130           |      | %REC                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| Surr: 4-Bromofluorobenzene                                                   | 94.7               | 64.7-130           |      | %REC                                | 142511            | 10                            | 02/25/2011 14:37              | JT      |
| Surr: Dibromofluoromethane                                                   | 99.5               | 80.7-129           |      | %REC                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| Surr: Dibromofluoromethane                                                   | 98.7               | 80.7-129           |      | %REC                                | 142511            | 10                            | 02/25/2011 14:37              | JT      |
| Surr: Toluene-d8                                                             | 97.1               | 71.1-120           |      | %REC                                | 142511            | 1                             | 02/24/2011 19:34              | JT      |
| Surr: Toluene-d8                                                             | 96.2               | 71.1-120           |      | %REC                                | 142511            | 10                            | 02/25/2011 14:37              | JT      |
|                                                                              |                    |                    |      |                                     |                   |                               |                               |         |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environme                             | ntal Services, Inc                                |                    |      |                                     |                   | Date:                         | 28-Feb-11                      |         |
|--------------------------------------------------|---------------------------------------------------|--------------------|------|-------------------------------------|-------------------|-------------------------------|--------------------------------|---------|
| Client:BROWNProject Name:Owens CoLab ID:1102F21- | AND CALDWELL<br>orning - Quarterly Samples<br>008 |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-29R<br>2/15/201<br>Groundw | 2 Z4<br>1 10:40:00 AM<br>vater |         |
| Analyses                                         | Result                                            | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor            | Date Analyzed                  | Analyst |
| Volatile Organic Compo                           | ounds by GC/MS_SW8260B                            |                    |      | (SV                                 | V5030B)           |                               |                                |         |
| Vinyl chloride                                   | BRL                                               | 2.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| 1.1-Dichloroethene                               | 320                                               | 50                 |      | ug/L                                | 142511            | 10                            | 02/25/2011 15:05               | JT      |
| Methylene chloride                               | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| trans-1,2-Dichloroethene                         | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| 1,1-Dichloroethane                               | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| cis-1.2-Dichloroethene                           | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Chloroform                                       | 12                                                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| 1,1,1-Trichloroethane                            | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Carbon tetrachloride                             | 16                                                | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Benzene                                          | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| 1,2-Dichloroethane                               | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Trichloroethene                                  | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Toluene                                          | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Tetrachloroethene                                | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Ethylbenzene                                     | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Xylenes, Total                                   | BRL                                               | 5.0                |      | ug/L                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Surr: 4-Bromofluorober                           | nzene 93.6                                        | 64.7-130           |      | %REC                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Surr: 4-Bromofluorober                           | nzene 94.1                                        | 64.7-130           |      | %REC                                | 142511            | 10                            | 02/25/2011 15:05               | JT      |
| Surr: Dibromofluorome                            | thane 96.6                                        | 80.7-129           |      | %REC                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Surr: Dibromofluorome                            | thane 98.1                                        | 80.7-129           |      | %REC                                | 142511            | 10                            | 02/25/2011 15:05               | JT      |
| Surr: Toluene-d8                                 | 96.9                                              | 71.1-120           |      | %REC                                | 142511            | 1                             | 02/24/2011 20:02               | JT      |
| Surr: Toluene-d8                                 | 96.5                                              | 71.1-120           |      | %REC                                | 142511            | 10                            | 02/25/2011 15:05               | JT      |

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- ${\bf S}$  Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Servic                                          | es, Inc               |                    |      |                                     |                   | Date:                        | 28-Feb-11             |        |
|--------------------------------------------------------------------------|-----------------------|--------------------|------|-------------------------------------|-------------------|------------------------------|-----------------------|--------|
| Client:BROWN AND CALDProject Name:Owens Corning - QuarLab ID:1102F21-009 | WELL<br>terly Samples |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-35<br>2/15/201<br>Groundw | 1 9:20:00 AM<br>/ater |        |
| Analyses                                                                 | Result                | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor           | Date Analyzed         | Analys |
| Volatile Organic Compounds by GC                                         | C/MS_SW8260B          |                    |      | (SV                                 | V5030B)           |                              |                       |        |
| Vinyl chloride                                                           | BRL                   | 2.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| 1,1-Dichloroethene                                                       | 290                   | 50                 |      | ug/L                                | 142511            | 10                           | 02/25/2011 15:34      | JT     |
| Methylene chloride                                                       | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| trans-1,2-Dichloroethene                                                 | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| 1,1-Dichloroethane                                                       | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| cis-1,2-Dichloroethene                                                   | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| Chloroform                                                               | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| 1,1,1-Trichloroethane                                                    | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| Carbon tetrachloride                                                     | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| Benzene                                                                  | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| 1,2-Dichloroethane                                                       | BRL                   | 5.0                |      | ·ug/L                               | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| Trichloroethene                                                          | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| Toluene                                                                  | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| Tetrachloroethene                                                        | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| Ethylbenzene                                                             | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| Xylenes, Total                                                           | BRL                   | 5.0                |      | ug/L                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| Surr: 4-Bromofluorobenzene                                               | 93.2                  | 64.7-130           |      | %REC                                | 142511            | 10                           | 02/25/2011 15:34      | JT     |
| Surr: 4-Bromofluorobenzene                                               | 95.1                  | 64.7-130           |      | %REC                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| Surr: Dibromofluoromethane                                               | 95.8                  | 80.7-129           |      | %REC                                | 142511            | 10                           | 02/25/2011 15:34      | JT     |
| Surr: Dibromofluoromethane                                               | 98.3                  | 80.7-129           |      | %REC                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |
| Surr: Toluene-d8                                                         | 94.7                  | 71.1-120           |      | %REC                                | 142511            | 10                           | 02/25/2011 15:34      | JT     |
| Surr: Toluene-d8                                                         | 98.3                  | 71.1-120           |      | %REC                                | 142511            | 1                            | 02/24/2011 20:31      | JT     |

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Env                      | vironmental Services, I                                         | nc                 |                    |      |                                                  |         | Date:              | 28-Feb-11                                       |         |
|-------------------------------------|-----------------------------------------------------------------|--------------------|--------------------|------|--------------------------------------------------|---------|--------------------|-------------------------------------------------|---------|
| Client:<br>Project Name:<br>Lab ID: | BROWN AND CALDWEL<br>Owens Corning - Quarterly S<br>1102F21-010 | ELL<br>rly Samples |                    |      | Client Sample ID:<br>Collection Date:<br>Matrix: |         |                    | MW-36 Z1<br>2/14/2011 2:50:00 PM<br>Groundwater |         |
| Analyses                            |                                                                 | Result             | Reporting<br>Limit | Qual | Units                                            | BatchID | Dilution<br>Factor | Date Analyzed                                   | Analyst |
| Volatile Organi                     | ic Compounds by GC/MS                                           | SW8260B            |                    |      | (SV                                              | V5030B) |                    |                                                 |         |
| Vinvl chloride                      |                                                                 | BRL                | 2.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| 1 1-Dichloroet                      | hene                                                            | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Methylene chlo                      | oride                                                           | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| trans-1.2-Dichl                     | loroethene                                                      | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| 1 1-Dichloroet                      | hane                                                            | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| cis-1 2-Dichlor                     | roethene                                                        | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Chloroform                          |                                                                 | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| 1 1 1-Trichloro                     | bethane                                                         | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Carbon tetrach                      | loride                                                          | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Benzene                             |                                                                 | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| 1.2-Dichloroet                      | hane                                                            | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Trichloroethen                      | e                                                               | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Toluene                             | -                                                               | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Tetrachloroeth                      | ene                                                             | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Ethylbenzene                        |                                                                 | BRL                | 5.0                |      | utg/L                                            | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Xylenes, Total                      |                                                                 | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Surr: 4-Brom                        | ofluorobenzene                                                  | 94.4               | 64.7-130           |      | %REC                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Surr: Dibrom                        | ofluoromethane                                                  | 96.1               | 80.7-129           |      | %REC                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |
| Surr: Toluene                       | e-d8                                                            | 97.2               | 71.1-120           |      | %REC                                             | 142511  | 1                  | 02/24/2011 21:00                                | JT      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Service                                             | s, Inc               |                    |      |                                                  |         | Date:              | 28-Feb-11                                       |         |
|------------------------------------------------------------------------------|----------------------|--------------------|------|--------------------------------------------------|---------|--------------------|-------------------------------------------------|---------|
| Client:BROWN AND CALDWProject Name:Owens Corning - QuarteeLab ID:1102F21-011 | /ELL<br>erly Samples | L<br>Samples       |      | Client Sample ID:<br>Collection Date:<br>Matrix: |         |                    | MW-36 Z3<br>2/14/2011 4:05:00 PM<br>Groundwater |         |
| Analyses                                                                     | Result               | Reporting<br>Limit | Qual | Units                                            | BatchID | Dilution<br>Factor | Date Analyzed                                   | Analyst |
| Volatile Organic Compounds by GC/                                            | MS SW8260B           |                    |      | (SV                                              | (5030B) |                    |                                                 |         |
| Vinyl chloride                                                               | BRL                  | 2.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| 1,1-Dichloroethene                                                           | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Methylene chloride                                                           | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| trans-1,2-Dichloroethene                                                     | BRL                  | 5.0                |      | ug/L                                             | 142511  | I                  | 02/24/2011 21:28                                | JT      |
| 1,1-Dichloroethane                                                           | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| cis-1,2-Dichloroethene                                                       | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Chloroform                                                                   | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| 1,1,1-Trichloroethane                                                        | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Carbon tetrachloride                                                         | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Benzene                                                                      | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| 1,2-Dichloroethane                                                           | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Trichloroethene                                                              | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Toluene                                                                      | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Tetrachloroethene                                                            | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Ethylbenzene                                                                 | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Xylenes, Total                                                               | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Surr: 4-Bromofluorobenzene                                                   | 93.7                 | 64.7-130           |      | %REC                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Surr: Dibromofluoromethane                                                   | 98.1                 | 80.7-129           |      | %REC                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |
| Surr: Toluene-d8                                                             | 96.8                 | 71.1-120           |      | %REC                                             | 142511  | 1                  | 02/24/2011 21:28                                | JT      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

- B Analyte detected in the associated method blank
- > Greater than Result value

E Estimated (value above quantitation range)

Date: 28-Feb-11

- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- Estimated value detected below Reporting Limit J

| Analytical Environmental Service                                            | s, Inc              |                    |      |                                                  |         | Date:                                           | 28-Feb-11        |         |
|-----------------------------------------------------------------------------|---------------------|--------------------|------|--------------------------------------------------|---------|-------------------------------------------------|------------------|---------|
| Client:BROWN AND CALDWProject Name:Owens Corning - QuarteLab ID:1102F21-012 | /ELL<br>rly Samples |                    |      | Client Sample ID:<br>Collection Date:<br>Matrix: |         | MW-36 Z5<br>2/14/2011 5:30:00 PM<br>Groundwater |                  |         |
| Analyses                                                                    | Result              | Reporting<br>Limit | Qual | Units                                            | BatchID | Dilution<br>Factor                              | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/                                           | MS SW8260B          |                    |      | (SV                                              | V5030B) |                                                 |                  |         |
| Vinyl chloride                                                              | BRL                 | 2.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| 1,1-Dichloroethene                                                          | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| Methylene chloride                                                          | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| trans-1,2-Dichloroethene                                                    | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| 1,1-Dichloroethane                                                          | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| cis-1,2-Dichloroethene                                                      | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| Chloroform                                                                  | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| 1,1,1-Trichloroethane                                                       | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| Carbon tetrachloride                                                        | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| Benzene                                                                     | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| 1,2-Dichloroethane                                                          | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| Trichloroethene                                                             | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| Toluene                                                                     | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| Tetrachloroethene                                                           | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| Ethylbenzene                                                                | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| Xylenes, Total                                                              | BRL                 | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| Surr: 4-Bromofluorobenzene                                                  | 93.7                | 64.7-130           |      | %REC                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |
| Surr: Dibromofluoromethane                                                  | 96.8                | 80.7-129           |      | %REC                                             | 142511  | 1                                               | 02/25/2011 13:11 | ΊL      |
| Surr: Toluene-d8                                                            | 97.5                | 71.1-120           |      | %REC                                             | 142511  | 1                                               | 02/25/2011 13:11 | JT      |

#### \* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

| Analytical Environmental Service                                            | es, Inc              |                    |      |                                                  |         | Date:                                           | 28-Feb-11        |         |
|-----------------------------------------------------------------------------|----------------------|--------------------|------|--------------------------------------------------|---------|-------------------------------------------------|------------------|---------|
| Client:BROWN AND CALDWProject Name:Owens Corning - QuarteLab ID:1102F21-013 | VELL<br>erly Samples | L<br>Samples       |      | Client Sample ID:<br>Collection Date:<br>Matrix: |         | MW-37 Z1<br>2/15/2011 1:30:00 PM<br>Groundwater |                  |         |
| Analyses                                                                    | Result               | Reporting<br>Limit | Qual | Units                                            | BatchID | Dilution<br>Factor                              | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/                                           | MS SW8260B           |                    |      | (SV                                              | V5030B) |                                                 |                  |         |
| Vinyl chloride                                                              | BRL                  | 2.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| 1,1-Dichloroethene                                                          | 40                   | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Methylene chloride                                                          | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| trans-1,2-Dichloroethene                                                    | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| 1,1-Dichloroethane                                                          | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| cis-1,2-Dichloroethene                                                      | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Chloroform                                                                  | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| 1,1,1-Trichloroethane                                                       | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Carbon tetrachloride                                                        | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Benzene                                                                     | BRL                  | 5.0                |      | ug/L                                             | 142511  | L                                               | 02/25/2011 13:40 | JT      |
| 1,2-Dichloroethane                                                          | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Trichloroethene                                                             | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Toluene                                                                     | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Tetrachloroethene                                                           | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Ethylbenzene                                                                | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Xylenes, Total                                                              | BRL                  | 5.0                |      | ug/L                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Surr: 4-Bromofluorobenzene                                                  | 96.2                 | 64.7-130           |      | %REC                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Surr: Dibromofluoromethane                                                  | 97.1                 | 80.7-129           |      | %REC                                             | 142511  | 1                                               | 02/25/2011 13:40 | JT      |
| Surr: Toluene-d8                                                            | 97.3                 | 71.1-120           |      | %REC                                             | 142511  | 1                                               | 02/25/2011 13:40 | JТ      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Se                                       | ervices, Inc                 |                    |      |                                                  |         | Date:              | 28-Feb-11                                       |         |  |
|-------------------------------------------------------------------|------------------------------|--------------------|------|--------------------------------------------------|---------|--------------------|-------------------------------------------------|---------|--|
| Client:BROWN AND C.Project Name:Owens Corning -Lab ID:1102F21-014 | ALDWELL<br>Quarterly Samples |                    |      | Client Sample ID:<br>Collection Date:<br>Matrix: |         |                    | MW-37 Z2<br>2/16/2011 4:20:00 PM<br>Groundwater |         |  |
| Analyses                                                          | Result                       | Reporting<br>Limit | Qual | Units                                            | BatchID | Dilution<br>Factor | Date Analyzed                                   | Analyst |  |
| Volatile Organic Compounds b                                      | y GC/MS_SW8260B              |                    |      | (SV                                              | V5030B) |                    |                                                 |         |  |
| Vinyl chloride                                                    | BRL                          | 2.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| 1.1-Dichloroethene                                                | 97                           | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Methylene chloride                                                | BRL                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| trans-1.2-Dichloroethene                                          | BRL                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| 1.1-Dichloroethane                                                | BRL                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| cis-1,2-Dichloroethene                                            | BRL                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Chloroform                                                        | 6.1                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| 1,1,1-Trichloroethane                                             | BRL                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Carbon tetrachloride                                              | BRL                          | 5.0                |      | ıtg/L                                            | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Benzene                                                           | BRL                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| 1,2-Dichloroethane                                                | BRL                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Trichloroethene                                                   | BRL                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Toluene                                                           | BRL                          | 5.0                |      | utg/L                                            | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Tetrachloroethene                                                 | BRL                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Ethylbenzene                                                      | BRL                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Xylenes, Total                                                    | BRL                          | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Surr: 4-Bromofluorobenzene                                        | 94.2                         | 64.7-130           |      | %REC                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Surr: Dibromofluoromethane                                        | 99.4                         | 80.7-129           |      | %REC                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |
| Surr: Toluene-d8                                                  | 97.6                         | 71.1-120           |      | %REC                                             | 142511  | 1                  | 02/25/2011 14:08                                | JT      |  |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Service                                            | s, Inc             |                    |      |                                                  |          | Date:                                           | 28-Feb-11        |         |
|-----------------------------------------------------------------------------|--------------------|--------------------|------|--------------------------------------------------|----------|-------------------------------------------------|------------------|---------|
| Client:BROWN AND CALDWProject Name:Owens Corning - QuarteLab ID:1102F21-015 | ELL<br>rly Samples |                    | 1    | Client Sample ID:<br>Collection Date:<br>Matrix: |          | MW-37 Z3<br>2/16/2011 6:30:00 PM<br>Groundwater |                  |         |
| Analyses                                                                    | Result             | Reporting<br>Limit | Qual | Units                                            | BatchID  | Dilution<br>Factor                              | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/                                           | MS SW8260B         |                    |      | (SV                                              | (5030B)  |                                                 |                  |         |
| Vinyl chloride                                                              | BRL                | 2.0                |      | ug/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| 1,1-Dichloroethene                                                          | BRL                | 5.0                |      | ng/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| Methylene chloride                                                          | BRL                | 5.0                |      | ug/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| trans-1,2-Dichloroethene                                                    | BRL                | 5.0                |      | ug/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| 1,1-Dichloroethane                                                          | BRL                | 5.0                |      | ug/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| cis-1,2-Dichloroethene                                                      | BRL                | 5.0                |      | ng/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| Chloroform                                                                  | BRL                | 5.0                |      | ug/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| 1,1,1-Trichloroethane                                                       | BRL                | 5.0                |      | ug/L                                             | . 142511 | 1                                               | 02/25/2011 20:17 | JE      |
| Carbon tetrachloride                                                        | BRL                | 5.0                |      | ug/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| Benzene                                                                     | BRL                | 5.0                |      | ng/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| 1,2-Dichloroethane                                                          | BRL                | 5.0                |      | ug/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| Trichloroethene                                                             | BRL                | 5.0                |      | ng/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| Toluene                                                                     | BRL                | 5.0                |      | ng/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| Tetrachloroethene                                                           | BRL                | 5.0                |      | ug/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| Ethylbenzene                                                                | BRL                | 5.0                |      | ng/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| Xylenes, Total                                                              | BRL                | 5.0                |      | ng/L                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| Surr: 4-Bromofluorobenzene                                                  | 98.8               | 64.7-130           |      | %REC                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| Surr: Dibromofluoromethane                                                  | 98.7               | 80.7-129           |      | %REC                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |
| Surr: Toluene-d8                                                            | 94.2               | 71.1-120           |      | %REC                                             | 142511   | 1                                               | 02/25/2011 20:17 | JE      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical En                       | vironmental Service                                      | s, Inc             |                    |      |                                                  |         | Date:              | 28-Feb-11                                       |         |  |
|-------------------------------------|----------------------------------------------------------|--------------------|--------------------|------|--------------------------------------------------|---------|--------------------|-------------------------------------------------|---------|--|
| Client:<br>Project Name:<br>Lab ID: | BROWN AND CALDW<br>Owens Corning - Quarte<br>1102F21-016 | ELL<br>rly Samples | LL<br>7 Samples    |      | Client Sample ID:<br>Collection Date:<br>Matrix: |         |                    | MW-38 Z1<br>2/16/2011 6:55:00 PM<br>Groundwater |         |  |
| Analyses                            |                                                          | Result             | Reporting<br>Limit | Qual | Units                                            | BatchID | Dilution<br>Factor | Date Analyzed                                   | Analyst |  |
| Volatile Organ                      | ic Compounds by GC/                                      | MS SW8260B         |                    |      | (SV                                              | V5030B) |                    |                                                 |         |  |
| Vinvl chloride                      |                                                          | BRL                | 2.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| 1.1-Dichloroet                      | thene                                                    | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Methylene chl                       | oride                                                    | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| trans-1.2-Dich                      | loroethene                                               | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| 1.1-Dichloroet                      | thane                                                    | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| cis-1.2-Dichlo                      | roethene                                                 | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Chloroform                          |                                                          | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| 1.1.1-Trichlor                      | oethane                                                  | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Carbon tetrach                      | nloride                                                  | BRL                | 5.0                |      | ttg/L                                            | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Benzene                             |                                                          | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| 1.2-Dichloroet                      | thane                                                    | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Trichloroether                      | 10                                                       | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Toluene                             |                                                          | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Tetrachloroeth                      | iene                                                     | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Ethvlbenzene                        |                                                          | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Xylenes, Total                      | I                                                        | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Surr: 4-Brom                        | ofluorobenzene                                           | 97.8               | 64.7-130           |      | %REC                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Surr: Dibrom                        | ofluoromethane                                           | 98.6               | 80.7-129           |      | %REC                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |
| Surr: Toluend                       | e-d8                                                     | 96                 | 71.1-120           |      | %REC                                             | 142511  | 1                  | 02/25/2011 20:42                                | JE      |  |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Service                                            | es, Inc              |                    |      |                                     |                   | Date:                         | 28-Feb-11        |         |
|-----------------------------------------------------------------------------|----------------------|--------------------|------|-------------------------------------|-------------------|-------------------------------|------------------|---------|
| Client:BROWN AND CALDVProject Name:Owens Corning - QuarteLab ID:1102F21-017 | VELL<br>erly Samples | LL<br>y Samples    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-382<br>2/14/201<br>Groundw |                  |         |
| Analyses                                                                    | Result               | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor            | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC                                            | /MS_SW8260B          |                    |      | (SV                                 | V5030B)           |                               |                  |         |
| Vinyl chloride                                                              | BRL                  | 2.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| 1,1-Dichloroethene                                                          | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Methylene chloride                                                          | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| trans-1,2-Dichloroethene                                                    | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| 1,1-Dichloroethane                                                          | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| cis-1,2-Dichloroethene                                                      | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Chloroform                                                                  | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| 1,1,1-Trichloroethane                                                       | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Carbon tetrachloride                                                        | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Benzene                                                                     | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| 1,2-Dichloroethane                                                          | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Trichloroethene                                                             | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Toluene                                                                     | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Tetrachloroethene                                                           | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Ethylbenzene                                                                | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Xylenes, Total                                                              | BRL                  | 5.0                |      | ug/L                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Surr: 4-Bromofluorobenzene                                                  | 99.8                 | 64.7-130           |      | %REC                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Surr: Dibromofluoromethane                                                  | 99.6                 | 80.7-129           |      | %REC                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |
| Surr: Toluene-d8                                                            | 96.7                 | 71.1-120           |      | %REC                                | 142511            | 1                             | 02/25/2011 21:07 | JE      |

- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- Section 2 Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control C
- J Estimated value detected below Reporting Limit

| Analytical En                       | vironmental Service                                       | s, Inc             |                    |      |                                                  |         | Date:              | 28-Feb-11                                       |        |
|-------------------------------------|-----------------------------------------------------------|--------------------|--------------------|------|--------------------------------------------------|---------|--------------------|-------------------------------------------------|--------|
| Client:<br>Project Name:<br>Lab ID: | BROWN AND CALDW<br>Owens Corning - Quarter<br>1102F21-018 | ELL<br>rly Samples | LL<br>/ Samples    |      | Client Sample ID:<br>Collection Date:<br>Matrix: |         |                    | MW-39 Z1<br>2/16/2011 9:55:00 AM<br>Groundwater |        |
| Analyses                            |                                                           | Result             | Reporting<br>Limit | Qual | Units                                            | BatchID | Dilution<br>Factor | Date Analyzed                                   | Analys |
| Volatile Organ                      | ic Compounds by GC/                                       | MS SW8260B         |                    |      | (SW                                              | /5030B) |                    |                                                 |        |
| Vinyl chloride                      |                                                           | BRL                | 2.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| 1.1-Dichloroet                      | hene                                                      | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Methylene chlo                      | oride                                                     | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| trans-1.2-Dich                      | loroethene                                                | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| 1,1-Dichloroet                      | hane                                                      | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| cis-1.2-Dichlor                     | roethene                                                  | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Chloroform                          |                                                           | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| 1,1,1-Trichloro                     | bethane                                                   | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Carbon tetrach                      | loride                                                    | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Benzene                             |                                                           | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| 1,2-Dichloroet                      | hane                                                      | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Trichloroethen                      | e                                                         | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Toluene                             |                                                           | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Tetrachloroeth                      | ene                                                       | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Ethylbenzene                        |                                                           | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Xylenes, Total                      |                                                           | BRL                | 5.0                |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Surr: 4-Brom                        | ofluorobenzene                                            | 99                 | 64.7-130           |      | %REC                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Surr: Dibrom                        | ofluoromethane                                            | 98.3               | 80.7-129           |      | %REC                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |
| Surr: Toluene                       | -d8                                                       | 97.8               | 71.1-120           |      | %REC                                             | 142511  | 1                  | 02/25/2011 21:32                                | JE     |

Qualifiers: \* Valu

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Service                                             | es, Inc              |                            |      |                                                  |         | Date:              | 28-Feb-11                                       |         |
|------------------------------------------------------------------------------|----------------------|----------------------------|------|--------------------------------------------------|---------|--------------------|-------------------------------------------------|---------|
| Client:BROWN AND CALDWProject Name:Owens Corning - QuarterLab ID:1102F21-019 | VELL<br>erly Samples | LL<br><sup>7</sup> Samples |      | Client Sample ID:<br>Collection Date:<br>Matrix: |         |                    | MW-39 Z2<br>2/16/2011 1:10:00 PM<br>Groundwater |         |
| Analyses                                                                     | Result               | Reporting<br>Limit         | Qual | Units                                            | BatchID | Dilution<br>Factor | Date Analyzed                                   | Analysi |
| Volatile Organic Compounds by GC                                             | /MS_SW8260B          |                            |      | (SV                                              | (5030B) |                    |                                                 |         |
| Vinyl chloride                                                               | BRL                  | 2.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| 1,1-Dichloroethene                                                           | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Methylene chloride                                                           | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| trans-1,2-Dichloroethene                                                     | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| 1,1-Dichloroethane                                                           | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| cis-1,2-Dichloroethene                                                       | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Chloroform                                                                   | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| 1,1,1-Trichloroethane                                                        | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Carbon tetrachloride                                                         | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Benzene                                                                      | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| 1,2-Dichloroethane                                                           | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Trichloroethene                                                              | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Toluene                                                                      | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Tetrachloroethene                                                            | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Ethylbenzene                                                                 | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Xylenes, Total                                                               | BRL                  | 5.0                        |      | ug/L                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Surr: 4-Bromofluorobenzene                                                   | 98.8                 | 64.7-130                   |      | %REC                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Surr: Dibromofluoromethane                                                   | 99.2                 | 80.7-129                   |      | %REC                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |
| Surr: Toluene-d8                                                             | 94.2                 | 71.1-120                   |      | %REC                                             | 142511  | 1                  | 02/25/2011 21:57                                | JE      |

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services                                            | s, Inc            |                    |                                     |                   |                                                 | Date:              | 28-Feb-11        |        |
|------------------------------------------------------------------------------|-------------------|--------------------|-------------------------------------|-------------------|-------------------------------------------------|--------------------|------------------|--------|
| Client:BROWN AND CALDWProject Name:Owens Corning - QuarterLab ID:1102F21-020 | ELL<br>Iy Samples |                    | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-39 Z3<br>2/16/2011 3:50:00 PM<br>Groundwater |                    |                  |        |
| Analyses                                                                     | Result            | Reporting<br>Limit | Qual                                | Units             | BatchID                                         | Dilution<br>Factor | Date Analyzed    | Analys |
| Volatile Organic Compounds by GC/                                            | MS SW8260B        |                    |                                     | (SW               | /5030B)                                         |                    |                  |        |
| Vinyl chloride                                                               | BRL               | 2.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| 1 1-Dichloroethene                                                           | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Methylene chloride                                                           | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| trans-1.2-Dichloroethene                                                     | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| L I-Dichloroethane                                                           | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| cis-1,2-Dichloroethene                                                       | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Chloroform                                                                   | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| 1.1.1-Trichloroethane                                                        | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Carbon tetrachloride                                                         | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Benzene                                                                      | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| 1.2-Dichloroethane                                                           | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Trichloroethene                                                              | BRL               | 5.0                |                                     | tıg/L             | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Toluene                                                                      | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Tetrachloroethene                                                            | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Ethylbenzene                                                                 | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Xylenes, Total                                                               | BRL               | 5.0                |                                     | ug/L              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Surr: 4-Bromofluorobenzene                                                   | 97.9              | 64.7-130           |                                     | %REC              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Surr: Dibromofluoromethane                                                   | 97.7              | 80.7-129           |                                     | %REC              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |
| Surr: Toluene-d8                                                             | 97.8              | 71.1-120           |                                     | %REC              | 142511                                          | 1                  | 02/25/2011 16:24 | JE     |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank

> Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit
| Analytical Environmental Service                                            | s, Inc              |                    |      |                                     |                   | Date:                          | 28-Feb-11                   |        |
|-----------------------------------------------------------------------------|---------------------|--------------------|------|-------------------------------------|-------------------|--------------------------------|-----------------------------|--------|
| Client:BROWN AND CALDWProject Name:Owens Corning - QuarteLab ID:1102F21-021 | /ELL<br>rly Samples |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-41 2<br>2/17/201<br>Groundw | Z1<br>1 2:40:00 PM<br>/ater |        |
| Analyses                                                                    | Result              | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed               | Analys |
| Volatile Organic Compounds by GC/                                           | MS SW8260B          |                    |      | (SV                                 | V5030B)           |                                |                             |        |
| Vinyl chloride                                                              | BRL                 | 2.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| 1,1-Dichloroethene                                                          | 380                 | 50                 |      | ug/L                                | 142577            | 10                             | 02/25/2011 17:39            | JE     |
| Methylene chloride                                                          | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| trans-1,2-Dichloroethene                                                    | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011-16:49            | JE     |
| 1,1-Dichloroethane                                                          | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| cis-1,2-Dichloroethene                                                      | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| Chloroform                                                                  | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| 1,1,1-Trichloroethane                                                       | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| Carbon tetrachloride                                                        | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| Benzene                                                                     | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| 1,2-Dichloroethane                                                          | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| Trichloroethene                                                             | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| Toluene                                                                     | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| Tetrachloroethene                                                           | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| Ethylbenzene                                                                | BRL                 | 5.0                |      | ug/L                                | 142577            | I                              | 02/25/2011 16:49            | JE     |
| Xylenes, Total                                                              | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| Surr: 4-Bromofluorobenzene                                                  | 96.8                | 64.7-130           |      | %REC                                | 142577            | 10                             | 02/25/2011 17:39            | JE     |
| Surr: 4-Bromofluorobenzene                                                  | 9.8                 | 64.7-130           |      | %REC                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| Surr: Dibromofluoromethane                                                  | 96.5                | 80.7-129           |      | %REC                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| Surr: Dibromofluoromethane                                                  | 100                 | 80.7-129           |      | %REC                                | 142577            | 10                             | 02/25/2011 17:39            | JE     |
| Surr: Toluene-d8                                                            | 97.3                | 71.1-120           |      | %REC                                | 142577            | 1                              | 02/25/2011 16:49            | JE     |
| Surr: Toluene-d8                                                            | 97.6                | 71.1-120           |      | %REC                                | 142577            | 10                             | 02/25/2011 17:39            | JE     |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical En                       | vironmental Service                                      | es, Inc              |                    |      |                                     |                   | Date:                          | 28-Feb-11                   |         |
|-------------------------------------|----------------------------------------------------------|----------------------|--------------------|------|-------------------------------------|-------------------|--------------------------------|-----------------------------|---------|
| Client:<br>Project Name:<br>Lab ID: | BROWN AND CALDW<br>Owens Corning - Quarte<br>1102F21-022 | VELL<br>erly Samples |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-41 2<br>2/14/201<br>Groundw | Z2<br>1 4:45:00 PM<br>vater |         |
| Analyses                            |                                                          | Result               | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed               | Analyst |
| Volatile Organ                      | ic Compounds by GC                                       | /MS_SW8260B          |                    |      | (SV                                 | V5030B)           |                                |                             |         |
| Vinvl chloride                      |                                                          | BRL                  | 2.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| 1.1-Dichloroet                      | hene                                                     | 350                  | 50                 |      | ug/L                                | 142577            | 10                             | 02/25/2011 14:42            | JE      |
| Methylene chl                       | oride                                                    | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| trans-1.2-Dich                      | loroethene                                               | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| 1.1-Dichloroet                      | hane                                                     | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| cis-1.2-Dichlo                      | roethene                                                 | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| Chloroform                          |                                                          | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| 1.1.1-Trichlor                      | oethane                                                  | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| Carbon tetrach                      | loride                                                   | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| Benzene                             |                                                          | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| 1.2-Dichloroet                      | thane                                                    | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| Trichloroether                      | ie                                                       | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| Toluene                             |                                                          | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| Tetrachloroeth                      | iene                                                     | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| Ethylbenzene                        |                                                          | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| Xylenes, Total                      | l                                                        | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| Surr: 4-Brom                        | ofluorobenzene                                           | 97.7                 | 64.7-130           |      | %REC                                | 142577            | 10                             | 02/25/2011 14:42            | JE      |
| Surr: 4-Brom                        | ofluorobenzene                                           | 101                  | 64.7-130           |      | %REC                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| Surr: Dibrom                        | ofluoromethane                                           | 95.1                 | 80.7-129           |      | %REC                                | 142577            | 10                             | 02/25/2011 14:42            | JE      |
| Surr: Dibrom                        | ofluoromethane                                           | 99                   | 80.7-129           |      | %REC                                | 142577            | 1                              | 02/25/2011 03:54            | JE      |
| Surr: Toluene                       | e-d8                                                     | 96.5                 | 71.1-120           |      | %REC                                | 142577            | . 1                            | 02/25/2011 03:54            | JE      |
| Surr: Toluene                       | e-d8                                                     | 98.4                 | 71.1-120           |      | %REC                                | 142577            | 10                             | 02/25/2011 14:42            | JE      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Service                                            | s, Inc              |                    |      |                                     |                   | Date:                          | 28-Feb-11                    |         |
|-----------------------------------------------------------------------------|---------------------|--------------------|------|-------------------------------------|-------------------|--------------------------------|------------------------------|---------|
| Client:BROWN AND CALDWProject Name:Owens Corning - QuarteLab ID:1102F21-023 | /ELL<br>rly Samples |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-41 2<br>2/17/201<br>Groundw | Z3<br>1 10:20:00 AM<br>vater |         |
| Analyses                                                                    | Result              | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                | Analyst |
| Volatile Organic Compounds by GC/                                           | MS SW8260B          |                    |      | (SV                                 | V5030B)           |                                |                              |         |
| Vinyl chloride                                                              | BRL                 | 2.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| 1,1-Dichloroethene                                                          | 150                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Methylene chloride                                                          | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| trans-1,2-Dichloroethene                                                    | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| 1,1-Dichloroethane                                                          | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| cis-1,2-Dichloroethene                                                      | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Chloroform                                                                  | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| 1,1,1-Trichloroethane                                                       | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Carbon tetrachloride                                                        | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Benzene                                                                     | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| 1,2-Dichloroethane                                                          | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Trichloroethene                                                             | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Toluene                                                                     | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Tetrachloroethene                                                           | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Ethylbenzene                                                                | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Xylenes, Total                                                              | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Surr: 4-Bromofluorobenzene                                                  | 97.2                | 64.7-130           |      | %REC                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Surr: Dibromofluoromethane                                                  | 99.4                | 80.7-129           |      | %REC                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |
| Surr: Toluene-d8                                                            | 95.7                | 71.1-120           |      | %REC                                | 142577            | 1                              | 02/25/2011 04:18             | JE      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed

< Less than Result value

| Analytical Environmental Service                                                                                                                                                                                                                                                                                                              | s, Inc              |                    |      |                                     |                   | Date:                          | 28-Feb-11                    |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|------|-------------------------------------|-------------------|--------------------------------|------------------------------|---------|
| Client:BROWN AND CALDWProject Name:Owens Corning - QuarteLab ID:1102F21-024                                                                                                                                                                                                                                                                   | /ELL<br>rly Samples |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-42 2<br>2/17/201<br>Groundw | Z1<br>1 10:00:00 AM<br>/ater |         |
| Analyses                                                                                                                                                                                                                                                                                                                                      | Result              | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                | Analyst |
| Volatile Organic Compounds by GC/                                                                                                                                                                                                                                                                                                             | MS SW8260B          |                    |      | (SV                                 | V5030B)           |                                |                              |         |
| Vinyl chloride                                                                                                                                                                                                                                                                                                                                | BRL                 | 2.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| 1.1-Dichloroethene                                                                                                                                                                                                                                                                                                                            | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| Vinyl chloride         BRL         2.0         ug/L         142577         1         02/25/2011 03:29           1,1-Dichloroethene         BRL         5.0         ug/L         142577         1         02/25/2011 03:29           Methylene chloride         BRL         5.0         ug/L         142577         1         02/25/2011 03:29 |                     | JE                 |      |                                     |                   |                                |                              |         |
| trans-1,2-Dichloroethene                                                                                                                                                                                                                                                                                                                      | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| 1.1-Dichloroethane                                                                                                                                                                                                                                                                                                                            | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| cis-1.2-Dichloroethene                                                                                                                                                                                                                                                                                                                        | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | ĴΕ      |
| Chloroform                                                                                                                                                                                                                                                                                                                                    | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| 1,1,1-Trichloroethane                                                                                                                                                                                                                                                                                                                         | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| Carbon tetrachloride                                                                                                                                                                                                                                                                                                                          | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| Benzene                                                                                                                                                                                                                                                                                                                                       | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| 1,2-Dichloroethane                                                                                                                                                                                                                                                                                                                            | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| Trichloroethene                                                                                                                                                                                                                                                                                                                               | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| Toluene                                                                                                                                                                                                                                                                                                                                       | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| Tetrachloroethene                                                                                                                                                                                                                                                                                                                             | BRL                 | 5.0                |      | ug/L                                | 142577            | L                              | 02/25/2011 03:29             | JE      |
| Ethylbenzene                                                                                                                                                                                                                                                                                                                                  | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| Xylenes, Total                                                                                                                                                                                                                                                                                                                                | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| Surr: 4-Bromofluorobenzene                                                                                                                                                                                                                                                                                                                    | 98.7                | 64.7-130           |      | %REC                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| Surr: Dibromofluoromethane                                                                                                                                                                                                                                                                                                                    | 101                 | 80.7-129           |      | %REC                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |
| Surr: Toluene-d8                                                                                                                                                                                                                                                                                                                              | 96.4                | 71.1-120           |      | %REC                                | 142577            | 1                              | 02/25/2011 03:29             | JE      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed

< Less than Result value

| Analytical Environmental Servi                                          | ces, Inc                |                    |      |                                     |                   | Date:                          | 28-Feb-11                    |         |
|-------------------------------------------------------------------------|-------------------------|--------------------|------|-------------------------------------|-------------------|--------------------------------|------------------------------|---------|
| Client:BROWN AND CALLProject Name:Owens Corning - QuaLab ID:1102F21-025 | OWELL<br>rterly Samples |                    |      | Client San<br>Collection<br>Matrix: | iple ID:<br>Date: | MW-42 2<br>2/17/201<br>Groundw | Z2<br>1 12:25:00 PM<br>/ater |         |
| Analyses                                                                | Result                  | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                | Analyst |
| Volatile Organic Compounds by G                                         | C/MS_SW8260B            |                    |      | (SW                                 | /5030B)           |                                |                              |         |
| Vinyl chloride                                                          | BRL                     | 2.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| 1,1-Dichloroethene                                                      | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Methylene chloride                                                      | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| trans-1,2-Dichloroethene                                                | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| 1,1-Dichloroethane                                                      | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| cis-1,2-Dichloroethene                                                  | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Chloroform                                                              | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| 1,1,1-Trichloroethane                                                   | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Carbon tetrachloride                                                    | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Benzene                                                                 | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| 1,2-Dichloroethane                                                      | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Trichloroethene                                                         | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Toluene                                                                 | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Tetrachloroethene                                                       | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Ethylbenzene                                                            | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Xylenes, Total                                                          | BRL                     | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Surr: 4-Bromofluorobenzene                                              | 97.6                    | 64.7-130           |      | %REC                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Surr: Dibromofluoromethane                                              | 100                     | 80.7-129           |      | %REC                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |
| Surr: Toluene-d8                                                        | 95.6                    | 71.1-120           |      | %REC                                | 142577            | 1                              | 02/25/2011 03:04             | JE      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed

< Less than Result value

| Analytical En                       | vironmental Service                                      | s, Inc              |                    |      |                                     |                   | Date:                          | 28-Feb-11                  |        |
|-------------------------------------|----------------------------------------------------------|---------------------|--------------------|------|-------------------------------------|-------------------|--------------------------------|----------------------------|--------|
| Client:<br>Project Name:<br>Lab ID: | BROWN AND CALDW<br>Owens Corning - Quarte<br>1102F21-026 | /ELL<br>rly Samples |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-42 2<br>2/17/201<br>Groundw | 23<br>1 3:40:00 PM<br>ater |        |
| Analyses                            |                                                          | Result              | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed              | Analys |
| Volatile Organ                      | ic Compounds by GC/                                      | MS SW8260B          |                    |      | (SV                                 | V5030B)           |                                |                            |        |
| Vinvl chloride                      |                                                          | BRL                 | 2.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| 1 1-Dichloroet                      | hene                                                     | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| Methylene chl                       | oride                                                    | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| trans-1.2-Dich                      | loroethene                                               | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| 1.1-Dichloroet                      | hane                                                     | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| cis-1.2-Dichlor                     | roethene                                                 | BRL                 | 5.0                |      | ug/L                                | 142577            | ŀ                              | 02/25/2011 16:02           | JT     |
| Chloroform                          |                                                          | BRL                 | - 5.0              |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| 1.1.1-Trichlor                      | oethane                                                  | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| Carbon tetrach                      | loride                                                   | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| Benzene                             |                                                          | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| 1.2-Dichloroet                      | hane                                                     | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| Trichloroether                      | e                                                        | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| Toluene                             |                                                          | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| Tetrachloroeth                      | ene                                                      | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| Ethylbenzene                        |                                                          | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| Xvlenes. Total                      |                                                          | BRL                 | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| Surr: 4-Brom                        | ofluorobenzene                                           | 94.9                | 64.7-130           |      | %REC                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| Surr: Dibrom                        | ofluoromethane                                           | 97                  | 80.7-129           |      | %REC                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |
| Surr: Toluene                       | e-d8                                                     | 98.3                | 71.1-120           |      | %REC                                | 142577            | 1                              | 02/25/2011 16:02           | JT     |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative

NC Not confirmed

< Less than Result value

| Analytical Env                      | vironmental Service                                      | es, Inc              |                    |      |                                     |                   | Date:                          | 28-Feb-11                     |        |
|-------------------------------------|----------------------------------------------------------|----------------------|--------------------|------|-------------------------------------|-------------------|--------------------------------|-------------------------------|--------|
| Client:<br>Project Name:<br>Lab ID: | BROWN AND CALDV<br>Owens Corning - Quarte<br>1102F21-027 | VELL<br>erly Samples |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | DUP-021<br>2/17/201<br>Groundw | 711<br>1 12:00:00 PM<br>rater |        |
| Analyses                            |                                                          | Result               | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                 | Analys |
| Volatile Organi                     | c Compounds by GC                                        | MS SW8260B           |                    |      | (SW                                 | /5030B)           |                                |                               |        |
| Vinyl chloride                      |                                                          | BRL                  | 2.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| 1,1-Dichloroeth                     | iene                                                     | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| Methylene chlo                      | ride                                                     | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| trans-1,2-Dichle                    | oroethene                                                | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| 1,1-Dichloroeth                     | ane                                                      | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| cis-1,2-Dichlor                     | oethene                                                  | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| Chloroform                          |                                                          | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | Л      |
| 1,1,1-Trichloro                     | ethane                                                   | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| Carbon tetrachl                     | oride                                                    | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| Benzene                             |                                                          | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| 1,2-Dichloroeth                     | ane                                                      | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | Л      |
| Trichloroethene                     |                                                          | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| Toluene                             |                                                          | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| Tetrachloroethe                     | ne                                                       | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| Ethylbenzene                        |                                                          | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| Xylenes, Total                      |                                                          | BRL                  | 5.0                |      | ug/L                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| Surr: 4-Bromo                       | fluorobenzene                                            | 94.4                 | 64.7-130           |      | %REC                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| Surr: Dibromo                       | fluoromethane                                            | 99.1                 | 80.7-129           |      | %REC                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |
| Surr: Toluene-                      | d8                                                       | 98.3                 | 71.1-120           |      | %REC                                | 142577            | 1                              | 02/25/2011 16:31              | JT     |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded

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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- Greater than Result value >

E Estimated (value above quantitation range)

- ${\bf S}$  Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

## Analytical Environmental Services, Inc.

## Sample/Cooler Receipt Checklist

| client Brown and C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              | Work Order | 1102F21<br>Number |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|-------------------|
| Checklist completed by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2   18       | 11         |                   |
| Carrier name: FedEx UPS Courier Client US                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | S Mail Other | r          | _                 |
| Shipping container/cooler in good condition?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Yes          | No         | Not Present       |
| Custody seals intact on shipping container/cooler?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Yes          | No         | Not Present       |
| Custody seals intact on sample bottles?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes          | No         | Not Present       |
| Container/Temp Blank temperature in compliance? (4°C±2)*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes          | No         |                   |
| $Cooler #1 \underbrace{\begin{array}{c} & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & & \\ & & \\ & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\$ | Cooler #4    | Coo        | ler#5 Cooler #6   |
| Chain of custody present?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Yes          | No         |                   |
| Chain of custody signed when relinquished and received?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes _        | No         |                   |
| Chain of custody agrees with sample labels? $p_1 Z_1 $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Yes _        | No _       |                   |
| Samples in proper container/bottle?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Yes          | No         |                   |
| Sample containers intact?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Yes          | No         |                   |
| Sufficient sample volume for indicated test?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Yes          | No         |                   |
| All samples received within holding time?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Yes          | No         |                   |
| Was TAT marked on the COC?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Yes _        | No         |                   |
| Proceed with Standard TAT as per project history?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes          | No         | Not Applicable    |
| Water - VOA vials have zero headspace? No VOA vials su                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ibmitted     | Yes        | No                |
| Water - pH acceptable upon receipt?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Yes          | No         | Not Applicable    |
| Adjusted?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Che          | cked by    |                   |
| Sample Condition: Good Other(Explain)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | - 10 D       | ••••       |                   |
| (For diffusive samples or AIHA lead) is a known blank include                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ieu? Yes     | N          | ٥ <u> </u>        |

## See Case Narrative for resolution of the Non-Conformance.

\* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample\_Cooler\_Receipt\_Checklist

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| Analytical Environmenta                    | l Services, Ind                 | C                       |               |                            |              |                            | -            |                         | Date:                    | 28-Feb-11                  |             |
|--------------------------------------------|---------------------------------|-------------------------|---------------|----------------------------|--------------|----------------------------|--------------|-------------------------|--------------------------|----------------------------|-------------|
| Client: BROWN ,<br>Project Name: Owens Co. | AND CALDWEI<br>ming - Quarterly | LL<br>^ Samples         |               |                            |              |                            | ANALM        | <b>/TICAL</b>           | QC SUM                   | MARY RE                    | PORT        |
| Workorder: 1102F21                         | •<br>•                          | ·                       |               |                            |              |                            |              | Bat                     | chID: 1424               | 451                        |             |
| Sample ID: MB-142451<br>SampleType: MBLK   | Client ID:<br>TestCode:         | Volatile Organic Compo  | unds by GC/MS | SW8260B                    | Un<br>Bat    | its: ug/L<br>tchID: 142451 | Prep<br>Anal | Date: (                 | )2/21/2011<br>)2/21/2011 | Run No: 190<br>Seq No: 398 | 977<br>5248 |
| Analyte                                    | Result                          | RPT Limit               | SPK value     | SPK Ref Val                | %REC         | Low Limit                  | High Limit   | RPD Ref <b>V</b>        | /al %RPI                 | D RPD Lin                  | uit Qual    |
| I, I, I-Trichloroethane                    | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | 0                        | 0                          |             |
| 1,1-Dichloroethane                         | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | ò                       | ~ C                      |                            |             |
| 1,1-Dichloroethene                         | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | , O          | o 0                     | • •                      | ~                          |             |
| 1,2-Dichloroethane                         | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | 0                        | ° O                        |             |
| Benzene                                    | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | 0                        | , 0                        |             |
| Carbon tetrachloride                       | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | 0                        | 0                          |             |
| Chloroform                                 | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | 0                        | 0                          |             |
| cis-1,2-Dichloroethene                     | BRL                             | 5.0                     | 0             | 0                          | 0            | . 0                        | 0            | 0                       | 0                        | 0                          |             |
| Ethylbenzene                               | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | 0                        | 0                          |             |
| Methylene chloride                         | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | 0                        | ) ()                       |             |
| Tetrachloroethene                          | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | 0                        | ò                          |             |
| Toluene                                    | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | 0                        | 0                          |             |
| trans-1,2-Dichloroethene                   | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | 0                        | 0                          |             |
| Trichloroethene                            | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | 0                        | 0                          |             |
| Vinyl chloride                             | BRL                             | 2.0                     | 0             | 0                          | 0            | 0                          | 0            | 0                       | ° O                      | ò                          |             |
| Xylenes, Total                             | BRL                             | 5.0                     | 0             | 0                          | 0            | 0                          | 0            | • c                     | ò                        |                            |             |
| Surr: 4-Bromofluorobenzene                 | 52.12                           | 0                       | 50            | 0                          | 104          | 64.7                       | 130          | . 0                     |                          |                            |             |
| Surr: Dibromofluoromethane                 | 52.51                           | 0                       | 50            | 0                          | 105          | 80.7                       | 129          | ) ()                    | o c                      |                            |             |
| Surr: Toluene-d8                           | 50.77                           | 0                       | 50            | 0                          | 102          | 71.1                       | 120          | 0                       | 0                        | )<br>O                     |             |
| Sample ID: LCS-142451<br>SampleType: LCS   | Client ID:<br>TestCode:         | Volatile Organic Compou | unds by GC/MS | SW8260B                    | Uni<br>Bat   | its: ug/L<br>chID: 142451  | Prep         | Date: 0<br>vsis Date: 0 | 2/21/2011                | Run No: 191<br>Sea No: 398 | 013<br>5704 |
| Analyte                                    | Result                          | <b>RPT</b> Limit        | SPK value     | SPK Ref Val                | %REC         | Low Limit                  | High Limit   | RPD Ref V               | al %RPI                  | C RPD Lim                  | it Oual     |
| 1,1-Dichloroethene                         | 59.42                           | 5.0                     | 50            | 0                          | 119          | 60                         | 140          | 0                       | 0                        |                            | ×           |
| Benzene                                    | 48.34                           | 5.0                     | 50            | 0                          | 96.7         | 70                         | 130          |                         |                          |                            |             |
| Toluene                                    | 50.60                           | 5.0                     | . 50          | 0                          | 101          | 70                         | 130          | 0                       | 0                        | 0                          |             |
|                                            |                                 |                         |               |                            |              |                            |              |                         |                          |                            |             |
| Qualifiers: > Greater than Resul           | t value                         |                         | < Less I      | than Result value          |              |                            | B A          | nalyte detected in 1    | he associated metho      | d blank                    |             |
| BRL Below reporting lit                    | nit                             |                         | E Estim.      | ated (value above quantita | tion range)  |                            | нн           | lolding times for pr    | eparation or analysis    | exceeded                   |             |
| J Estimated value d                        | etected below Reporting         | ț Limit                 | N Analy       | te not NELAC certified     |              |                            | RR           | PD outside limits       | due to matrix            |                            |             |
| Rpt Lim Reporting Limit<br>33 of 38        |                                 |                         | S Spike       | Recovery outside limits d. | ue to matrix |                            |              |                         |                          |                            |             |

| Analytical Environmental Se                     | ervices, Inc            | ł                       |               |                            |              |                          |              |                               | Date:                | 28-Feb-11                                       |   |
|-------------------------------------------------|-------------------------|-------------------------|---------------|----------------------------|--------------|--------------------------|--------------|-------------------------------|----------------------|-------------------------------------------------|---|
| Client: BROWN ANI<br>Project Name: Owens Cornin | O CALDWELI              | amles                   |               |                            |              |                          | ANALY        | TICAL QO                      | C SUMM               | ARY REPORT                                      |   |
| Workorder: 1102F21                              | ر Linnin - کا           | condum                  |               |                            |              |                          |              | Batchl                        | D: 14245             | -                                               |   |
| Sample ID: LCS-142451<br>Sample Type: LCS       | Client ID:<br>TestCode: | Volatile Organic Compou | nds by GC/MS  | SW8260B                    | Uni<br>Bate  | ts: ug/L<br>chID: 142451 | Prep<br>Anal | Date: 02/2<br>ysis Date: 02/2 | 1/2011<br>2/2011     | Run No: <b>191013</b><br>Seq No: <b>3985704</b> |   |
| Analyte                                         | Result                  | RPT Limit               | SPK value     | SPK Ref Val                | %REC         | Low Limit                | High Limit   | RPD Ref Val                   | %RPD                 | RPD Limit Qual                                  |   |
| Trichloroethene                                 | 50.29                   | 5.0                     | 50            | 0                          | 101          | 70                       | 130          | 0                             | 0                    | 0                                               | 1 |
| Surr: 4-Bromofluorobenzene                      | 53.59                   | 0                       | 50            | 0                          | 107          | 64.7                     | 130          | 0                             | 0                    | 0                                               |   |
| Surr: Dibromofluoromethane                      | 55.19                   | 0                       | 50            | 0                          | 110          | 80.7                     | 129          | 0                             | 0                    | 0                                               |   |
| Surr: Toluene-d8                                | 52.88                   | 0                       | 50            | 0                          | 106          | 71.1                     | 120          | 0                             | 0                    | 0                                               |   |
| Sample ID: 1102C84-027AMS                       | Client ID:              |                         |               |                            | Uni          | ts: ug/L                 | Prep         | Date: 02/2                    | 1/2011               | Run No: 190977                                  | [ |
| SampleType: MS                                  | TestCode:               | Volatile Organic Compou | inds by GC/MS | SW8260B                    | Bat          | chID: 142451             | Anal         | ysis Date: 02/2               | 1/2011               | Seq No: 3985251                                 |   |
| Analyte                                         | Result                  | RPT Limit               | SPK value     | SPK Ref Val                | %REC         | Low Limit                | High Limit   | RPD Ref Val                   | %RPD                 | RPD Limit Qual                                  |   |
| 1,1-Dichloroethene                              | 60.35                   | 5.0                     | 50            | 0                          | 121          | 46.2                     | 183          | 0                             | 0                    | 0                                               | 1 |
| Benzene                                         | 51.95                   | 5.0                     | 50            | 0                          | 104          | 62.2                     | 143          | 0                             | 0                    | 0                                               |   |
| Toluene                                         | 52.93                   | 5.0                     | 50            | 0                          | 106          | 57.8                     | 149          | 0                             | 0                    | 0                                               |   |
| Trichloroethene                                 | 55.21                   | 5.0                     | 50            | 0                          | 110          | 70.5                     | 149          | 0                             | 0                    | 0                                               |   |
| Surr: 4-Bromofluorobenzene                      | 54.40                   | 0                       | 50            | 0                          | 109          | 64.7                     | 130          | 0                             | 0                    | 0                                               |   |
| Surr: Dibromofluoromethane                      | 55.49                   | 0                       | 50            | 0                          | 111          | 80.7                     | 129          | 0                             | 0                    | 0                                               |   |
| Surr: Toluene-d8                                | 53.53                   | 0                       | 50            | 0                          | 107          | 71.1                     | 120          | 0                             | 0                    | 0                                               |   |
| Sample ID: 1102C84-027AMSD                      | Client ID:              |                         |               |                            | Uni          | ts: ug/L                 | Prep         | Date: 02/2                    | 11/2011              | Run No: 190977                                  |   |
| SampleType: MSD                                 | TestCode:               | Volatile Organic Compo  | inds by GC/MS | SW8260B                    | Bat          | chID: 142451             | Anal         | ysis Date: 02/2               | 11/2011              | Seq No: <b>3985252</b>                          |   |
| Analyte                                         | Result                  | <b>RPT</b> Limit        | SPK value     | SPK Ref Val                | %REC         | Low Limit                | High Limit   | RPD Ref Val                   | %RPD                 | RPD Limit Qual                                  |   |
| 1,1-Dichloroethene                              | 58.93                   | 5.0                     | 50            | 0                          | 118          | 46.2                     | 183          | 60.35                         | 2.38                 | 20                                              | 1 |
| Benzene                                         | 50.61                   | 5.0                     | 50            | 0                          | 101          | 62.2                     | 143          | 51.95                         | 2.61                 | 20                                              |   |
| Toluene                                         | 51.40                   | 5.0                     | 50            | 0                          | 103          | 57.8                     | 149          | 52.93                         | 2.93                 | 20                                              |   |
| Trichloroethene                                 | 51.58                   | 5.0                     | 50            | 0                          | 103          | 70.5                     | 149          | 55.21                         | 6.8                  | 20                                              |   |
| Surr: 4-Bromofluorobenzene                      | 53.29                   | 0                       | 50            | 0                          | 107          | 64.7                     | 130          | 54.40                         | 0                    | 0                                               |   |
| Surr: Dibromofluoromethane                      | 54.59                   | 0                       | 50            | 0                          | 601          | 80.7                     | 129          | 55.49                         | 0                    | 0                                               |   |
| Surr: Toluene-d8                                | 53.58                   | 0                       | 50            | 0                          | 107          | 71.1                     | 120          | 53.53                         | 0                    | 0                                               |   |
| Qualifiers: > Greater than Result val           | lue                     |                         | < Less        | than Result value          |              |                          | B            | analyte detected in the a     | tssociated method    | blank                                           |   |
| BRL Below reporting limit                       |                         |                         | E Estim       | ated (value above quantitz | tion range)  |                          | Н            | lolding times for prepar      | ration or analysis e | xceeded                                         |   |
| J Estimated value detec                         | ted below Reporting     | Limit                   | N Analy       | yte not NELAC certified    |              |                          | R            | PD outside limits due         | to matrix            |                                                 |   |
| Rpt Lim Reporting Limit<br>34 of 3R             |                         |                         | S Spike       | Recovery outside limits d  | ue to matrix |                          |              |                               |                      |                                                 |   |
|                                                 |                         |                         |               |                            |              |                          |              |                               |                      |                                                 |   |

| Analytical Environmenta                  | l Services, Inc                  |                                                                                                                |               |                             |              |                             |            |                          | Nate.                   | 10 Eah 1           | _                 |            |
|------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------|---------------|-----------------------------|--------------|-----------------------------|------------|--------------------------|-------------------------|--------------------|-------------------|------------|
| Client: BROWN<br>Project Name: Owens Co  | AND CALDWEL<br>rning - Quarterly | L<br>Samples                                                                                                   |               |                             |              |                             | ANAL       | VTICAL                   | QC SUMI                 | MARY               | REPORT            |            |
| Workorder: 1102F21                       |                                  |                                                                                                                |               |                             |              |                             |            | Bat                      | chID: 1425              | 511                |                   |            |
| Sample ID: MB-142511<br>SampleType: MBLK | Client ID:<br>TestCode:          | Volatile Organic Compe                                                                                         | unds by GC/MS | SW8260B                     | Un<br>Ba     | iits: ug/L<br>tchID: 142511 | Prej       | Date: 0<br>lysis Date: 0 | 2/22/2011<br>2/22/2011  | Run No:<br>Seq No: | 191013<br>3986918 |            |
| Analyte                                  | Result                           | <b>RPT</b> Limit                                                                                               | SPK value     | SPK Ref Val                 | %REC         | Low Limit                   | High Limit | RPD Ref V                | al %RPI                 | O RPD              | Limit Qual        |            |
| 1,1,1-Trichloroethane                    | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | 0                           | 0          | -                        | C                       |                    |                   |            |
| 1,1-Dichloroethane                       | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | ° C                         | ~ c        |                          |                         |                    |                   |            |
| 1,1-Dichloroethene                       | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | ) O                         | ) O        |                          |                         |                    |                   |            |
| 1,2-Dichloroethane                       | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | 0                           | 0          | ò                        | °                       |                    |                   |            |
| Benzene                                  | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | 0                           | 0          | ° O                      | ° C                     |                    |                   |            |
| Carbon tetrachloride                     | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | 0                           | 0          | , O                      | ° C                     |                    |                   |            |
| Chloroform                               | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | 0                           | , O        | °                        |                         |                    |                   |            |
| cis-1,2-Dichloroethene                   | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | 0                           | 0          | • c                      |                         |                    |                   |            |
| Ethylbenzene                             | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | 0                           | • •        |                          |                         |                    |                   |            |
| Methylene chloride                       | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | 0                           | o c        | ~ c                      |                         |                    |                   |            |
| Tetrachloroethene                        | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | ) ()                        |            |                          |                         |                    |                   |            |
| Toluene                                  | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | ) O                         | °          |                          |                         |                    |                   |            |
| trans-1,2-Dichloroethene                 | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | 0                           | 0          | ° C                      | ~                       |                    |                   |            |
| Trichloroethene                          | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | . 0                         |            | ° C                      |                         |                    |                   |            |
| Vinyl chloride                           | BRL                              | 2.0                                                                                                            | 0             | 0                           | 0            | 0                           | ) C        |                          |                         |                    |                   |            |
| Xylenes, Total                           | BRL                              | 5.0                                                                                                            | 0             | 0                           | 0            | 0                           | ) (        | • c                      |                         |                    |                   |            |
| Surr: 4-Bromofluorobenzene               | 50.85                            | 0                                                                                                              | 50            | 0                           | 102          | 64.7                        | 130        | ~ c                      |                         |                    |                   |            |
| Surr: Dibromofluoromethane               | 54.78                            | 0                                                                                                              | 50            | 0                           | 110          | 80.7                        | 129        | 0                        |                         |                    |                   |            |
| Surr: Toluene-d8                         | 50.25                            | 0                                                                                                              | 50            | 0                           | 100          | 71.1                        | 120        | o<br>O                   | 0                       |                    |                   |            |
| Sample ID: LCS-142511                    | Client ID:                       |                                                                                                                |               |                             | Uni          | its: ug/L                   | Prep       | Date: 0                  | 2/22/2011               | Run No:            | 191013            | r          |
| Sampre 1 ype: LCS                        | TestCode:                        | volatile Organic Compo                                                                                         | ands by GC/MS | SW8260B                     | Bat          | chID: 142511                | Anal       | ysis Date: 0             | 2/22/2011               | Seq No:            | 3986919           |            |
| Analyte                                  | Result                           | RPT Limit                                                                                                      | SPK value     | SPK Ref Val                 | %REC         | Low Limit                   | High Limit | RPD Ref V.               | al %RPD                 | 0 RPD              | Limit Qual        | ********** |
| 1,1-Dichloroethene                       | 58.98                            | 5.0                                                                                                            | 50            | 0                           | 118          | 60                          | 140        | 0                        |                         | )                  |                   |            |
| Benzene                                  | 52.44                            | 5.0                                                                                                            | 50            | 0                           | 105          | 70                          | 130        | ° c                      |                         |                    |                   |            |
| Toluene                                  | 52.43                            | 5.0                                                                                                            | 50            | 0                           | 105          | 70                          | 130        | ° c                      |                         |                    |                   |            |
| Trichloroethene                          | 49.53                            | 5.0                                                                                                            | 50            | 0                           | 1.66         | 70                          | 130        | 0                        | ° O                     | , 0                |                   |            |
| Qualifiers: > Greater than Resul         | value                            | and a second second second second second second second second second second second second second second second | < Less        | than Result value           |              |                             | B          | nalvte detected in th    | e associated method     | hlant              |                   |            |
| BRL Below reporting lir                  | út                               |                                                                                                                | E Estim       | ated (value above quantitat | ion range)   |                             | н          | olding times for pre     | paration or analysis of | exceeded           |                   |            |
| J Estimated value d                      | stected below Reporting L        | inut                                                                                                           | V Analy       | te not NELAC certified      |              |                             | R<br>R     | PD outside limits d      | ue to matrix            |                    |                   |            |
| Rpt Lint Reporting Limit<br>35 of 38     |                                  |                                                                                                                | S Spike       | Recovery outside limits du  | le to matrix |                             |            |                          |                         |                    |                   |            |

| Analytical Environmental S                   | services, Inc             |                        |               |                           |               |                            |              |                                | Date:                | 28-Feb-11                                       |
|----------------------------------------------|---------------------------|------------------------|---------------|---------------------------|---------------|----------------------------|--------------|--------------------------------|----------------------|-------------------------------------------------|
| Client: BROWN AN                             | VD CALDWELL               | ,<br>selano            |               |                           |               |                            | ANALY        | TICAL QC                       | C SUMM               | ARY REPORT                                      |
| Workorder: 1102F21                           | e Quancity 2              | ampres                 |               |                           |               |                            |              | Batchl                         | D: 14251             | -                                               |
| Sample ID: LCS-142511<br>SampleType: LCS     | Client ID:<br>TestCode: V | /olatile Organic Compo | unds by GC/MS | SW8260B                   | Uni<br>Bat    | its: ug/L<br>chID: 142511  | Prep<br>Anal | Date: 02/2<br>lysis Date: 02/2 | 2/2011               | Run No: <b>191013</b><br>Seq No: <b>3986919</b> |
| Analyte                                      | Result                    | <b>RPT</b> Limit       | SPK value     | SPK Ref Val               | %REC          | Low Limit                  | High Limit   | RPD Ref Val                    | %RPD                 | RPD Limit Qual                                  |
| Surr: 4-Bromofluorobenzene                   | 49.94                     | 0                      | 50            | 0                         | 6.66          | 64.7                       | 130          | 0                              | 0                    | 0                                               |
| Surr. Dibromofluoromethane                   | 55.06                     | ) O                    | 50            | 0                         | 110           | 80.7                       | 129          | 0                              | 0                    | 0.                                              |
| Surr: Toluene-d8                             | 51.78                     | 0                      | 50            | 0                         | 104           | 71.1                       | 120          | 0                              | 0                    | 0                                               |
| Sample ID: 1102H91-001AMS<br>Sample Type: MS | Client ID:<br>TestCode:   | Volatile Organic Compo | unds by GC/MS | SW8260B                   | Un<br>Bai     | its: ug/L<br>tchID: 142511 | Prep<br>Ana  | Date: 02/2<br>lysis Date: 02/2 | 2/2011<br>2/2011     | Run No: <b>191013</b><br>Seq No: <b>3986926</b> |
| Analyte                                      | Result                    | RPT Limit              | SPK value     | SPK Ref Val               | %REC          | Low Limit                  | High Limit   | RPD Ref Val                    | %RPD                 | RPD Limit Qual                                  |
| 1,1-Dichloroethene                           | 60.09                     | 5.0                    | 50            | 0                         | 120           | 46.2                       | 183          | 0                              | 0                    | 0                                               |
| Benzene                                      | 52.68                     | 5.0                    | 50            | 0                         | 105           | 62.2                       | 143          | 0                              | 0                    | 0                                               |
| Toluene                                      | 52.11                     | 5.0                    | 50            | 0.7300                    | 103           | 57.8                       | 149          | 0                              | 0                    | 0                                               |
| Trichloroethene                              | 50.41                     | 5.0                    | 50            | 0                         | 101           | 70.5                       | 149          | 0                              | 0                    | 0                                               |
| Surr: 4-Bromofluorobenzene                   | 51.20                     | 0                      | 50            | 0                         | 102           | 64.7                       | 130          | 0                              | 0                    | 0                                               |
| Surr: Dibromofluoromethane                   | 53.27                     | 0                      | 50            | 0                         | 107           | 80.7                       | 129          | 0                              | 0                    | 0                                               |
| Surr: Toluene-d8                             | 52.38                     | 0                      | 50            | 0                         | 105           | 71.1                       | 120          | 0                              | 0                    | 0                                               |
| Sample ID: 1102H91-001AMS                    | <b>D</b> Client ID:       |                        |               |                           | Un            | its: ug/L                  | Prel         | ) Date: 02/2                   | 2/2011               | Run No: 191013                                  |
| SampleType: MSD                              | TestCode:                 | Volatile Organic Compo | unds by GC/MS | SW8260B                   | Ba            | tchID: 142511              | Ana          | lysis Date: 02/2               | 23/2011              | Seq No: 3986930                                 |
| Analyte                                      | Result                    | <b>RPT</b> Limit       | SPK value     | SPK Ref Val               | %REC          | Low Limit                  | High Limit   | RPD Ref Val                    | %RPD                 | RPD Limit Qual                                  |
| 1,1-Dichloroethene                           | 58.58                     | 5.0                    | 50            | 0                         | 117           | 46.2                       | 183          | 60.09                          | 2.54                 | 20                                              |
| Benzene                                      | 51.01                     | 5.0                    | 50            | 0                         | 102           | 62.2                       | 143          | 52.68                          | 3.22                 | 20                                              |
| Toluene                                      | 49.48                     | 5.0                    | 50            | 0.7300                    | 97.5          | 57.8                       | 149          | 52.11                          | 5.18                 | 20                                              |
| Trichloroethene                              | 49.00                     | 5.0                    | 50            | 0                         | 98            | 70.5                       | 149          | 50.41                          | 2.84                 | 20                                              |
| Surr: 4-Bromofluorobenzene                   | 50.10                     | 0                      | 50            | 0                         | 100           | 64.7                       | 130          | 51.20                          | 0                    | 0                                               |
| Surr: Dibromofluoromethane                   | 52.46                     | 0                      | 50            | 0                         | 105           | 80.7                       | 129          | 53.27                          | 0                    | 0                                               |
| Surr: Toluene-d8                             | 51.53                     | 0                      | 50            | 0                         | 103           | 71.1                       | 120          | 52.38                          | 0                    | 0                                               |
| Oualifiers: > Greater than Result            | value                     |                        | < Less        | than Result value         |               |                            | В            | Analyte detected in the        | associated method    | blank                                           |
| BRL Below reporting lim                      | uit                       |                        | E Esti        | nated (value above quanti | tation range) |                            | Н            | Holding times for prepa        | ration or analysis e | exceeded                                        |
| I Festimated value de                        | tected helow Reporting    | limit                  | N             | lvte not NFI AC certified | )             |                            | a            | RPD outside limits due         | to matrix            |                                                 |

Rpt Lim Reporting Limit 36 of 38

S Spike Recovery outside limits due to matrix

| Analytical Environmental                     | Services, Inc                 |                         |               |                            |              |                          |            |                       | Date:                  | 28-Feb-11          |                   |  |
|----------------------------------------------|-------------------------------|-------------------------|---------------|----------------------------|--------------|--------------------------|------------|-----------------------|------------------------|--------------------|-------------------|--|
| Client: BROWN A)<br>Project Name: Owens Corn | ND CALDWEL<br>ing - Quarterly | L<br>Samples            |               |                            |              | ×                        | ANALY      | TICAL                 | QC SUM                 | MARY I             | REPORT            |  |
| Workorder: 1102F21                           |                               | <br>•                   |               |                            |              |                          |            | Bate                  | :hID: 1425             | 11                 |                   |  |
| Sample ID: MB-142577<br>Sample Type: MBLK    | Client ID:<br>TestCode:       | Volatile Organic Compo  | unds by GC/MS | SW8260B                    | Uni<br>Bat   | ts: ug/L<br>chID: 142577 | Prep       | Date: 0               | 2/24/2011<br>2/24/2011 | Run No:<br>Seq No: | 191215<br>3992045 |  |
| Analyte                                      | Result                        | RPT Limit               | SPK value     | SPK Ref Val                | %REC         | Low Limit                | High Limit | RPD Ref V             | al %RPI                | . C                | Limit Oual        |  |
| 1,1,1-Trichloroethane                        | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | U                      |                    | -                 |  |
| 1,1-Dichloroethane                           | BRL                           | 5.0                     | 0             | ° O                        | ~ c          | ~ C                      |            |                       |                        |                    |                   |  |
| 1,1-Dichloroethene                           | BRL                           | 5.0                     | 0             | 0                          | , O          | , 0                      | 0 0        | ~ c                   | 0 0                    |                    |                   |  |
| 1,2-Dichloroethane                           | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | ) O        | 0                     | ~ c                    |                    |                   |  |
| Benzene                                      | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | 0                      | , 0                |                   |  |
| Carbon tetrachloride                         | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | 0                      | 0                  |                   |  |
| Chloroform                                   | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | 0                      | . 0                |                   |  |
| cis-1,2-Dichloroethene                       | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | 0                      | 0                  |                   |  |
| Ethylbenzene                                 | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | 0                      | . 0                |                   |  |
| Methylene chloride                           | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | 0                      | , 0                |                   |  |
| Tetrachloroethene                            | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | 0                      | . 0                |                   |  |
| Toluene                                      | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | 0                      | 0                  |                   |  |
| trans-1,2-Dichloroethene                     | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | 0                      | , 0                |                   |  |
| Trichloroethene                              | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | 0                      | 0                  |                   |  |
| Viny1 chloride                               | BRL                           | 2.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | 0                      | , 0<br>0           |                   |  |
| Xylenes, Total                               | BRL                           | 5.0                     | 0             | 0                          | 0            | 0                        | 0          | 0                     | ) O                    | , c                |                   |  |
| Surr: 4-Bromofluorobenzene                   | 0                             | 0                       | 50            | 0                          | 0            | 64.7                     | 130        | 0                     | 0                      | , o                | S.                |  |
| Surr: Dibromofluoromethane                   | 0                             | 0                       | 50            | 0                          | 0            | 80.7                     | 129        | 0                     | ° O                    | • C                | o o               |  |
| Surr: Toluene-d8                             | 0                             | 0                       | 50            | 0                          | 0            | 71.1                     | 120        | 0                     | • <b>0</b>             | , O                | s s               |  |
| Sample ID: LCS-142577                        | Client ID:                    |                         |               |                            | Uni          | ts: ue/L                 | Pren       | Date: 0               | 1100/FC/0              | Run No.            | 101715            |  |
| SampleType: LCS                              | TestCode:                     | Volatile Organic Compou | Inds by GC/MS | SW8260B                    | Bat          | chID: 142577             | Ana        | lysis Date: 0         | 2/24/2011              | Seq No:            | 3992044           |  |
| Analyte                                      | Result                        | RPT Limit               | SPK value     | SPK Ref Val                | %REC         | Low Limit                | High Limit | RPD Ref V             | al %RPD                | RPD                | Limit Qual        |  |
| 1, I-Dichloroethene                          | 36.90                         | 5.0                     | 50            | 0                          | 73.8         | 09                       | 140        | 0                     | U                      | 0                  |                   |  |
| Benzene                                      | 43.13                         | 5.0                     | 50            | 0                          | 86.3         | 70                       | 130        | ) O                   | • •                    |                    |                   |  |
| Toluene                                      | 44.41                         | 5.0                     | 50            | 0                          | 88.8         | 70                       | 130        | • 0                   | ° O                    |                    |                   |  |
| Trichloroethene                              | 43.60                         | 5.0                     | 50            | 0                          | 87.2         | 70                       | 130        | 0                     | 0                      | 0                  |                   |  |
| Qualifiers: > Greater than Result v          | alue                          |                         | < Less        | han Result value           |              |                          | 8          | nalvte detected in th | e associated method    | ł blank            |                   |  |
| BRL Below reporting limit                    |                               |                         | E Estim       | ated (value above quantita | ion range)   |                          | H          | folding times for pre | paration or analysis   | exceeded           |                   |  |
| J Estimated value det                        | ected below Reporting I       | imit                    | N Analy       | te not NELAC certified     |              |                          | RR         | PD outside limits d   | ue to matrix           |                    |                   |  |
| Rpt Lim Reporting Limit<br>37 of 38          |                               |                         | S Spike       | Recovery outside limits di | te to matrix |                          |            |                       |                        |                    |                   |  |

| Analytical Environmental Se                                           | ervices, Inc                    |                      |                 |                           |              |                          |              |                               | Date:               | 28-Feb-11                                       |   |
|-----------------------------------------------------------------------|---------------------------------|----------------------|-----------------|---------------------------|--------------|--------------------------|--------------|-------------------------------|---------------------|-------------------------------------------------|---|
| Client: BROWN ANE<br>Project Name: Owens Cornin<br>Workorder: 1102F21 | ) CALDWELL<br>g - Quarterly San | nples                |                 |                           |              |                          | ANALY        | TICAL Q<br>Batch              | C SUMN<br>ID: 14257 | IARY REPORT                                     |   |
| Sample ID: LCS-142577<br>SampleType: LCS                              | Client ID:<br>TestCode: Vol     | atile Organic Compo  | unds by GC/MS 3 | SW8260B                   | Uni<br>Bat   | ts: ug/L<br>chID: 142577 | Prep<br>Anal | Date: 02/2<br>ysis Date: 02/2 | 24/2011<br>24/2011  | Run No: <b>191215</b><br>Seq No: <b>3992044</b> |   |
| Analyte                                                               | Result                          | <b>RPT</b> Limit     | SPK value       | SPK Ref Val               | %REC         | Low Limit                | High Limit   | RPD Ref Val                   | %RPD                | RPD Limit Qual                                  |   |
| Surr: 4-Bromofluorobenzene                                            | 50.54                           | 0                    | 50              | 0                         | 101          | 64.7                     | 130          | 0                             | 0                   | 0                                               | ] |
| Surr: Dibromofluoromethane                                            | 49.43                           | 0                    | 50              | 0.                        | 98.9         | 80.7                     | 129          | 0                             | 0                   | 0                                               |   |
| Surr: Toluene-d8                                                      | 49.74                           | 0                    | 50              | 0                         | 99.5         | 71.1                     | 120          | 0                             | 0                   | 0                                               |   |
| Sample ID: 1102D92-001AMS                                             | Client ID:<br>TastCoda: Val     | atile Oreanic Comno  | unds by GC/MS   | \$W8260B                  | Uni<br>Bat   | ts: ug/L                 | Prep         | Date: 02//<br>vsis Date 07/   | 24/2011             | Run No: 191215<br>Sea No: 3992048               |   |
| Sampre 19 pc. (NLS<br>Analyte                                         | Result                          | RPT Limit            | SPK value       | SPK Ref Val               | %REC         | Low Limit                | High Limit   | RPD Ref Val                   | %RPD                | RPD Limit Qual                                  |   |
| 1.1-Dichloroethene                                                    | 447900                          | 50000                | 500000          | 0                         | 89.6         | 46.2                     | 183          | 0                             | 0                   | 0                                               | 7 |
| Benzene                                                               | 496800                          | 50000                | 50000           | 0                         | 99.4         | 62.2                     | 143          | 0                             | 0                   | 0                                               |   |
| Toluene                                                               | 497600                          | 50000                | 500000          | 0                         | 99.5         | 57.8                     | 149          | 0                             | 0                   | 0                                               |   |
| Trichloroethene                                                       | 506000                          | 50000                | 500000          | 0                         | 101          | 70.5                     | 149          | 0                             | 0                   | 0                                               |   |
| Surr: 4-Bromofluorobenzene                                            | 465600                          | 0                    | 50000           | 0                         | 93.1         | 64.7                     | 130          | 0                             | 0                   | 0                                               |   |
| Surr: Dibromofluoromethane                                            | 478600                          | 0                    | 500000          | 0                         | 95.7         | 80.7                     | 129          | 0                             | 0                   | 0                                               |   |
| Surr: Toluene-d8                                                      | 485000                          | 0                    | 50000           | 0                         | 67           | 71.1                     | 120          | 0                             | 0                   | 0                                               |   |
| Sample ID: 1102D92-001AMSD                                            | Client ID:                      | •                    |                 |                           | Un           | its: ug/L                | Prep         | Date: 02/                     | 24/2011             | Run No: 191215                                  |   |
| Sample lype: MSD                                                      | TestCode: Vol                   | lattie Urganic Compo | unds by GC/MS   | SW8260B                   | Bat          | chID: 142577             | Ana          | lysis Date: 02/               | 24/2011             | Seq No: 3992049                                 |   |
| Analyte                                                               | Result                          | RPT Limit            | SPK value       | SPK Ref Val               | %REC         | Low Limit                | High Limit   | RPD Ref Val                   | %RPD                | RPD Limit Qual                                  |   |
| 1,1-Dichloroethene                                                    | 425400                          | 50000                | 50000           | 0                         | 85.1         | 46.2                     | 183          | 447900                        | 5.15                | 20                                              |   |
| Benzene                                                               | 482500                          | 50000                | 50000           | 0                         | 96.5         | 62.2                     | 143          | 496800                        | 2.92                | 20                                              |   |
| Toluene                                                               | 483400                          | 50000                | 50000           | 0                         | 96.7         | 57.8                     | 149          | 497600                        | 2.9                 | 20                                              |   |
| Trichloroethene                                                       | 493800                          | 50000                | 50000           | 0                         | 98.8         | 70.5                     | 149          | 506000                        | 2.44                | 20                                              |   |
| Surr: 4-Bromofluorobenzene                                            | 470000                          | 0                    | 50000           | 0                         | 94           | 64.7                     | 130          | 465600                        | 0                   | 0                                               |   |
| Surr: Dibromofluoromethane                                            | 473400                          | 0                    | 50000           | 0                         | 94.7         | 80.7                     | 129          | 478600                        | 0                   | 0                                               |   |
| Surr: Toluene-d8                                                      | 485300                          | 0                    | 50000           | 0                         | 97.1         | 71.1                     | 120          | 485000                        | 0                   | 0                                               |   |
|                                                                       |                                 |                      |                 |                           |              |                          |              |                               |                     |                                                 |   |
| Qualifiers: > Greater than Result val                                 | lue                             |                      | - Less          | than Result value         |              |                          | a :          | Analyte detected in the       | associated method   | l blank                                         |   |
| BKIL Below reporting limit                                            | 5                               |                      | E ESUN          | lated (value above quanti | ation range) |                          | II d         | Holding times for prep        | aration or analysis | exceeded                                        |   |
| J Estimated value detec.                                              | ted below Keporting Lim         | ut .                 | N Anai          | yte not NELAU certined    |              |                          | ×            | RPD outside limits aut        | e to matrix         |                                                 |   |

Rpt Lim Reporting Limit 38 of 38

S Spike Recovery outside limits due to matrix

ANALYTICAL ENVIRONMENTAL SERVICES, INC.



May 20, 2011

Tamara BerrymanBROWN AND CALDWELL990 Hammond DriveAtlantaGA 30328

TEL: (770) 394-2997 FAX: (770) 396-9495

RE: Owens Corning

Dear Tamara Berryman:

Order No: 1105B20

Analytical Environmental Services, Inc. received 41 samples on 5/12/2011 3:05:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:

-South Carolina Certification number 98016002 for Clean Water Act, effective until 12/31/11. -South Carolina Certification number 98016003 for Solid and Hazardous Waste, effective until 6/30/11.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Shartistoffall

Sharissa Hall Project Manager

| TEL.: (770) 457-8177 / TOLL-FREE (800) 9      | 72-4889 / FAX: (770) 45             | 7-8188       |               | Date: S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    | -       |
|-----------------------------------------------|-------------------------------------|--------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------|
| un d Coldwell                                 | ADDRESS<br>090 Hommond<br>Driang Ch | 1. 54 (      |               | ANALYSIS REQUESTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Visit our website                                  |         |
|                                               |                                     |              |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | www.aesatlanta.com<br>to check on the status of    |         |
|                                               | <b>FAX:</b>                         |              |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | your results, place bottle                         | sjau    |
| It all to be merend                           | SIGNATHRE                           | 111          | N             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | orders, etc.                                       | Contai  |
|                                               | SAMPLED                             | 9)1          | (5)           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    | to # of |
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      SAMPLE ID       SAMPLE ID       SAMPLE ID         1       721 Clink scales 2d       5:11:11       775 $\chi$ 2       605 Clink scales 2d       5:11:11       775 $\chi$ 3       115 Elfood 2d       5:11:11       775 $\chi$ 4       1305 Clink scales 2d       5:11:11       775 $\chi$ 5       119 Clone 2d       5:10:11       1775 $\chi$ 6       4/12       Kaye D       5:10:11       1710 $\chi$ 7       113       Faye D       5:10:11       1710 $\chi$ 8       3053 Kaye D       5:10:11       1710 $\chi$ $\chi$ 11       Faye D       5:10:11       1720 $\chi$ $\chi$ 11       602 Kaye D       5:10:11       1720 $\chi$ $\chi$ 11       602 Kaye D       5:10:11       1720 $\chi$ $\chi$ 11       602 Kaye D       5:10:11       1720 $\chi$ $\chi$ 11       602 Kaye D       5:10:11       1720 $\chi$ $\chi$ 11       602 Kaye D       5:10:11       1602 K $\chi$ $\chi$ <td></td> <td>REMARKS</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | REMARKS                                                                                                                                     |
| *         SAUREID         DATE         RESERVATION (Second)         RESERVATION (Second)         RESERVATION (Second)         RESERVATION (Second)           1         72/1 (UnX-scales 2.d)         511-U1         71/5         X         6.u         X         1         1         2         5         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | #       SAMPLE ID       DATE       TIME       Gomposi         1       721 Click scales       2       5-11:11       1715 $X$ 2       6057 (Link scales       2       5-11:11       1715 $X$ 3       115       Elford       Red       5-11:11       1715 $X$ 4       130-3       Clink scales       Red       5-11:11       1715 $X$ 5       114       Clover hill       P       5-10:11       1720 $X$ 7       113       Faye       D       5-10:11       1720 $X$ 7       113       Faye       D       5-10:11       1720 $X$ 8       30-5       Xaye       D       5-10:11       1720 $X$ 9       Nuper 05/011       D       5-10:11       1700 $X$ 10       705       K       D       5-10:11       1700 $X$ 11       602       K       N       5-10:11       1645 $X$ 11       602       K       S-10:11       1675 $X$ $X$ 12       43       Clink for<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | REMARKS                                                                                                                                     |
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X         4       1303 Clinksceles 2d       5-10.11       1720       X         5       113       7       171       7       170       X         7       113       Faye D       5-10.11       1720       X         8       303       Kaye D       5-10.11       1720       X         9       Nupe-057001       05701       1720       X         10       700       5-10.11       1700       X         11<000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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       6       417 Kaye D       5.10.11       1710       X         7       113 Faye D       5.10.11       1710       X         8       303 Kaye D       5.10.11       1710       X         9       Nue-05%       01       5.10.11       1700       X         10       700       5.10.11       1700       X       X         11       602 Kaye D       0       5.10.11       1700       X         11       103 Kaye D       5.10.11       1700       X       X         11       602 Kaye D       5.10.11       1700       X       X         11       10       10       5.10.11       1700       X       X         11       102 Kaye D       5.10.11       1692       X       X       X         12       443 Clinks(Ekeles Rd       5.10.11       1700       X       X                                                                                                                                                                                                                                                                      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Elicade Rad       5:10:10       135:00 K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       K       bou       k       bou       k       bou       k       bou       k       bou       k       bou       k       bou       k       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 8       303       Kaye D       5.10.11       1720       X         9       Nue-05%       01       5.10.11       1720       X         10       203       Kaye D       5.10.11       1720       X         10       203       Kaye D       5.10.11       1720       X         11       602       Kaye D       5.10.11       1720       X         11       602       Kaye D       5.10.11       1720       X         11       602       Kaye D       5.10.11       1720       X         12       443       Clinks(ake R       5.10.11       1720       X         13       (Trip Elenke) TB-05701       5.10.11       1645       X       X         13       (Trip Elenke) TB-05201       5.11       1745       X       X                                                                                                                                                                                                                                                                                                                      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05% 01       S.10.11       1710 X         10       7.00 Kaye D       S.10.11       1700 X         11       000 Kaye D       S.10.11       1700 X         11       0145 State Rd       S.10.11       1645 X         12       443 Clinkscale Rd       S.10.11       1700 X         13       443 Clinkscale Rd       S.10.11       1700 X         13       443 Clinkscale Rd       S.10.11       1700 X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                             |
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| 12     43     Unlesselve     5.11.11     1347     V     0.01     V     0     2       13     C1/19     EleakeDBY     DATETTAGE     ECCENT     Lu     V     N     1     2       13     C1/19     EleakeDBY     DATETTAGE     ECCENT     Lu     V     N     1     2       13     C1/19     EleakeDBY     DATETTAGE     ECCENT     Lu     N     1     2       14     V     V     Lu     V     Lu     N     1     1     2       14     V     N     V     N     N     1     1     1     1       14     V     N     V     N     N     1     1     1     1       15     V     N     N     1     1     1     1     1     1       15     N     N     N     N     1     1     1     1     1       16     N     N     N     N     1     1     1     1     1       16     N     N     N     N     1     1     1     1     1       17     N     N     N     1     1     1     1                                                                                                                                                                      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| Model Induction     Model Induction     Model Induction     Total # of Containers     Zure       2     Model State     2     Model State     2       3     3     3     3     2     2       5     Ander State     5     3     3     3       5     2     1     0     1     2       5     2     0     1     1     0       5     2     0     1     1     0       5     2     0     1     1     0       5     2     0     1     1     0       6     2     0     1     1     0       5     2     0     1     1     0       6     0     1     1     0     0       7     1     1     0     0     0       6     2     2     2     2     2       5     2     0     1     0     0       7     1     1     0     0     0       8     0     1     1     1     0       7     1     1     0     0     0                                                                                                                                                                                                                                               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| Redect #. 14.0473     Product #. 14.0473     Durational Line Requests       3:     3:     Redect #. 14.0473     5       3:     3:     Redect #. 14.0473     5       3:     3:     Redect #. 14.0473     5       3:     3:     Redect #. 14.0473     5       3:     3:     Redect # 10.0176     5       3:     Redect # 10.0176     5     7       3:     Redect # 10.0176     10.017     10.0176       5:     Pouls     1     10.01       1:     1:     1.01     1.01       1:     1:     1.01     1.01       1:     1:     1.01     1.01       1:     1:     1.01     1.01       2:     1:     1.01     1.01       1:     1:     1.01     1.01       1:     1:     1.01     1.01                                                                                                                                                                                                                                                                                                                                                       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| 3     SITE ADDRESS:     SITE ADDRESS:     C     Statued S Business Day Rush       SPECIAL INSTRUCTIONS/COMMENTS:     3:     MMdU/160_5 (     5 (     0       SPECIAL INSTRUCTIONS/COMMENTS:     3:     MMndU/160_5 (     5 (     0       SPECIAL INSTRUCTIONS/COMMENTS:     0UT     /     VIA     Not Business Day Rush       SPECIAL INSTRUCTIONS/COMMENTS:     0UT     /     VIA     Semb REPORT TO: T& provide (       SPECIAL INSTRUCTIONS/COMMENTS:     0UT     /     VIA     Not Business Day Rush       SPECIAL INSTRUCTIONS/COMMENTS:     0UT     /     VIA     Semb REPORT TO: T& provide (       SPECIAL INSTRUCTIONS/COMMENTS:     0UT     /     VIA     Dote       SPECIAL INSTRUCTIONS/COMMENTS:     0UT     /     VIA     Semb RePORT TO: T& provide (       SPECIAL INSTRUCTIONS/COMMENTS:     0UT     /     VIA     Dote       SPECIAL INSTRUCTIONS/COMMENTS:     0UT     /     VIA     Dote       SPECIAL INSTRUCTIONS/COMMENTS:     0UT     /     VIA     Dote       SPECIAL INSTRUCTIONS/COMMENTS:     0UT     /     VIA     Dote       SAMPLES RECEIVED AFTER REPORT OF DATER     DOF     DOF     DOF     DATA PACKAGE: 1     (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PROJECT # 14 04/3 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Tumaround Time Request                                                                                                                      |
| SEND REPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: TEPORT TO: 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SITE ADDRESS:<br>Araderson 5.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | O Standard 5 Business Days<br>O 2 Business Day Rush                                                                                         |
| SPECIAL INSTRUCTIONS/COMMENTS:     SHIPMENT METHOD     Invoice To:       Set Poul Set U 9(S)     0 UT     /       Set Poul Set U 9(S)     0 UT       Set Poul Set U 9(S)     0 UT       Set Poul Set U 9(S)     0 UT       Set Poul Set U 9(S)     0 UT       Set Poul Set U 9(S)     0 UT       Set Poul Set U 9(S)     0 UT       Set Poul Set U 9(S)     0 UT       Set Poul Set U 9(S)     0 UT       IN     /       N     /       Set Poul Set U 9(S)     0 UT       Set Poul Set U 9(S)     0 UT       Set Poul Set U 9 ON     0 ON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | O Next Business Day Rush                                                                                                                    |
| Del Youxee Les I via Uner Other Via State Program (1' ' Via State Program (1' ' ' Via State Program (1' ' ' Via Other Courses (1' ' ' ) via State Program (1' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | INVOICE TO:<br>(IF DIFFERENT FROM AROVE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| CUENT Fedex UPS MAIL COURIER<br>GREYHOUND OTHER<br>SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEVT ENGINEE TO AND THAT FOR AND AND AND AND AND AND AND AND AND AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| SAMPLES RÉCEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEVT BIISNESS DAV 15 TURDA POORDER 15 CONSIDERED RECEIVED THE NEVT BIISNESS DAV 15 TURDA DOUND THEE SOCIALIZED. 1004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SAMPLES RECEIVED AFTER 3PM OR ON SATTIRDAY ARE CONSIDRRED RECEIVED THE NEXT PRICINES                                                                                                                                                                                        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White Copy - Original: Yellow Copy - Client

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| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                        | 20-May-11           |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|------------------------------|---------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-001 | 8      |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-15<br>5/9/2011<br>Groundw | 4:20:00 PM<br>/ater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor           | Date Analyzed       | Analyst |
| Volatile Organic Compounds by GC/MS SV                                | W8260B |                    |      | (SV                                 | V5030B)           |                              |                     |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| 1,1-Dichloroethene                                                    | 250    | 50                 |      | ug/L                                | 146396            | 10                           | 05/14/2011 15:14    | GK      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | I                            | 05/14/2011 13:44    | GK      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | I                            | 05/14/2011 13:44    | GK      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| Surr: 4-Bromofluorobenzene                                            | 85.4   | 64.7-130           |      | %REC                                | 146396            | 10                           | 05/14/2011 15:14    | GK      |
| Surr: 4-Bromofluorobenzene                                            | 83.1   | 64.7-130           |      | %REC                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| Surr: Dibromofluoromethane                                            | 101    | 80.7-129           |      | %REC                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| Surr: Dibromofluoromethane                                            | 102    | 80.7-129           |      | %REC                                | 146396            | 10                           | 05/14/2011 15:14    | GK      |
| Surr: Toluene-d8                                                      | 89.4   | 71.1-120           |      | %REC                                | 146396            | 1                            | 05/14/2011 13:44    | GK      |
| Surr: Toluene-d8                                                      | 88.8   | 71.1-120           |      | %REC                                | 146396            | 10                           | 05/14/2011 15:14    | GK      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                        | 20-May-11           |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|------------------------------|---------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-002 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-22<br>5/9/2011<br>Groundw | 2:35:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor           | Date Analyzed       | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                              |                     |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| 1,1-Dichloroethene                                                    | 310    | 50                 |      | ug/L                                | 146396            | 10                           | 05/19/2011 18:21    | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| Chloroform                                                            | 14     | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| Carbon tetrachloride                                                  | 23     | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | . 1                          | 05/19/2011 14:20    | JE      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| Surr: 4-Bromofluorobenzene                                            | 81.7   | 64.7-130           |      | %REC                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| Surr: 4-Bromofluorobenzene                                            | 84.8   | 64.7-130           |      | %REC                                | 146396            | 10                           | 05/19/2011 18:21    | SB      |
| Surr: Dibromofluoromethane                                            | 95.6   | 80.7-129           |      | %REC                                | 146396            | 10                           | 05/19/2011 18:21    | SB      |
| Surr: Dibromofluoromethane                                            | 101    | 80.7-129           |      | %REC                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| Surr: Toluene-d8                                                      | 86.8   | 71.1-120           |      | %REC                                | 146396            | 1                            | 05/19/2011 14:20    | JE      |
| Surr: Toluene-d8                                                      | 92.3   | 71.1-120           |      | %REC                                | 146396            | 10                           | 05/19/2011 18:21    | SB      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-003 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | EB-0509<br>5/9/2011<br>Aqueous | 11<br>3:05:00 PM |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Surr: 4-Bromofluorobenzene                                            | 86.7   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Surr: Dibromofluoromethane                                            | 110    | 80.7-129           |      | %REC                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |
| Surr: Toluene-d8                                                      | 97.2   | 71.1-120           |      | %REC                                | 146396            | 1                              | 05/19/2011 15:20 | NH      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                        | 20-May-11           |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|------------------------------|---------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-004 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-35<br>5/9/2011<br>Groundw | 4:55:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor           | Date Analyzed       | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                              |                     |         |
| Vinvl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| 1.1-Dichloroethene                                                    | 530    | 50                 |      | ug/L                                | 146396            | 10                           | 05/19/2011 14:46    | MC      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Surr: 4-Bromofluorobenzene                                            | 91.8   | 64.7-130           |      | %REC                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Surr: 4-Bromofluorobenzene                                            | 91.2   | 64.7-130           |      | %REC                                | 146396            | 10                           | 05/19/2011 14:46    | MC      |
| Surr: Dibromofluoromethane                                            | 105    | 80.7-129           |      | %REC                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Surr: Dibromofluoromethane                                            | 109    | 80.7-129           |      | %REC                                | 146396            | 10                           | 05/19/2011 14:46    | MC      |
| Surr: Toluene-d8                                                      | 98.1   | 71.1-120           |      | %REC                                | 146396            | 1                            | 05/19/2011 12:26    | MC      |
| Surr: Toluene-d8                                                      | 106    | 71.1-120           |      | %REC                                | 146396            | 10                           | 05/19/2011 14:46    | MC      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                         | 20-May-11                         |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|-------------------------------|-----------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-005 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-29R<br>5/10/201<br>Groundw | & ZONE 3<br>1 8:50:00 AM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor            | Date Analyzed                     | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                               |                                   |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| 1,1-Dichloroethene                                                    | 560    | 50                 |      | ug/L                                | 146396            | 10                            | 05/19/2011 15:14                  | MC      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Chloroform                                                            | 16     | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| I, I, I-Trichloroethane                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Carbon tetrachloride                                                  | 23     | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Surr: 4-Bromofluorobenzene                                            | 92.6   | 64.7-130           |      | %REC                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Surr: 4-Bromofluorobenzene                                            | 92.8   | 64.7-130           |      | %REC                                | 146396            | 10                            | 05/19/2011 15:14                  | MC      |
| Surr: Dibromofluoromethane                                            | 108    | 80.7-129           |      | %REC                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Surr: Dibromofluoromethane                                            | 113    | 80.7-129           |      | %REC                                | 146396            | 10                            | 05/19/2011 15:14                  | MC      |
| Surr: Toluene-d8                                                      | 102    | 71.1-120           |      | %REC                                | 146396            | 1                             | 05/19/2011 12:54                  | MC      |
| Surr: Toluene-d8                                                      | 110    | 71.1-120           |      | %REC                                | 146396            | 10                            | 05/19/2011 15:14                  | MC      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- Analyte detected in the associated method blank в
- Greater than Result value >

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                         | 20-May-11                         |        |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|-------------------------------|-----------------------------------|--------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-006 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-29R<br>5/10/201<br>Groundw | 2 ZONE 4<br>1 9:40:00 AM<br>vater |        |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor            | Date Analyzed                     | Analys |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | (5030B)           |                               |                                   |        |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| 1,1-Dichloroethene                                                    | 590    | 50                 |      | ug/L                                | 146396            | 10                            | 05/19/2011 15:42                  | MC     |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Chloroform                                                            | . 17   | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Carbon tetrachloride                                                  | 23     | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Surr: 4-Bromofluorobenzene                                            | 91     | 64.7-130           |      | %REC                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Surr: 4-Bromofluorobenzene                                            | 91.4   | 64.7-130           |      | %REC                                | 146396            | 10                            | 05/19/2011 15:42                  | MC     |
| Surr: Dibromofluoromethane                                            | 109    | 80.7-129           |      | %REC                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Surr: Dibromofluoromethane                                            | 111    | 80.7-129           |      | %REC                                | 146396            | 10                            | 05/19/2011 15:42                  | MC     |
| Surr: Toluene-d8                                                      | 106    | 71.1-120           |      | %REC                                | 146396            | 1                             | 05/19/2011 13:22                  | MC     |
| Surr: Toluene-d8                                                      | 107    | 71.1-120           |      | %REC                                | 146396            | 10                            | 05/19/2011 15:42                  | MC     |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                  | Date:                          | 20-May-11                        |        |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|------------------|--------------------------------|----------------------------------|--------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-007 |        |                    |      | Client San<br>Collection<br>Matrix: | ple ID:<br>Date: | MW-36 2<br>5/10/201<br>Groundw | ZONE 1<br>1 10:30:00 AM<br>vater |        |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID          | Dilution<br>Factor             | Date Analyzed                    | Analys |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SW                                 | /5030B)          |                                |                                  |        |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396           | I                              | 05/14/2011 17:44                 | GK     |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| Surr: 4-Bromofluorobenzene                                            | 83.8   | 64.7-130           |      | %REC                                | 146396           | I                              | 05/14/2011 17:44                 | GK     |
| Surr: Dibromofluoromethane                                            | 99.1   | 80.7-129           |      | %REC                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |
| Surr: Toluene-d8                                                      | 88.2   | 71.1-120           |      | %REC                                | 146396           | 1                              | 05/14/2011 17:44                 | GK     |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|----------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-008 |        |                    |      | Ćlient San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-36 2<br>5/10/201<br>Groundw | ZONE 3<br>1 11:35:00 AM<br>fater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | /5030B)           |                                |                                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | I                              | 05/14/2011 18:15                 | GK      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| Surr: 4-Bromofluorobenzene                                            | 82.5   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |
| Surr: Dibromofluoromethane                                            | 101    | 80.7-129           |      | %REC                                | 146396            | 1                              | 05/14/2011 18:15                 | GK.     |
| Surr: Toluene-d8                                                      | 86.7   | 71.1-120           |      | %REC                                | 146396            | 1                              | 05/14/2011 18:15                 | GK      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                       |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|---------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-009 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-36 2<br>5/10/201<br>Groundw | ZONE 5<br>1 3:20:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                   | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                                 |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Surr: 4-Bromofluorobenzene                                            | 82.2   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Surr: Dibromofluoromethane                                            | 105    | 80.7-129           |      | %REC                                | 146396            | 1                              | 05/14/2011 18:45                | GK      |
| Surr: Toluene-d8                                                      | 90.1   | 71.1-120           |      | %REC                                | 146396            | ł                              | 05/14/2011 18:45                | GK      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                     |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|-------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-010 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-37 2<br>5/9/2011<br>Groundw | ZONE 1<br>1:45:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                 | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | (5030B)           |                                |                               |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| 1,1-Dichloroethene                                                    | 9.7    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Surr: 4-Bromofluorobenzene                                            | 79.8   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Surr: Dibromofluoromethane                                            | 98.7   | 80.7-129           |      | %REC                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |
| Surr: Toluene-d8                                                      | 93.1   | 71.1-120           |      | %REC                                | 146396            | 1                              | 05/19/2011 17:53              | SB      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
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- > Greater than Result value

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- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                     |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|-------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-011 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-37 2<br>5/9/2011<br>Groundw | ZONE 2<br>4:10:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                 | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | /5030B)           |                                |                               |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| 1,1-Dichloroethene                                                    | 190    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| Chloroform                                                            | 9.0    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | I                              | 05/19/2011 13:50              | MC      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| Surr: 4-Bromofluorobenzene                                            | 92.7   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| Surr: Dibromofluoromethane                                            | 110    | 80.7-129           |      | %REC                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |
| Surr: Toluene-d8                                                      | 105    | 71.1-120           |      | %REC                                | 146396            | 1                              | 05/19/2011 13:50              | MC      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-012 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-37 2<br>5/9/2011<br>Groundw |                  |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | utg/L                               | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| 1.1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| trans-1.2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| 1.1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| cis-1.2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Surr: 4-Bromofluorobenzene                                            | 80.3   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Surr: Dibromofluoromethane                                            | 105    | 80.7-129           |      | %REC                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |
| Surr: Toluene-d8                                                      | 90.8   | 71.1-120           |      | %REC                                | 146396            | 1                              | 05/14/2011 19:46 | GK      |

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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                       |        |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|---------------------------------|--------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-013 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-38 2<br>5/11/201<br>Groundw | ZONE 1<br>1 4:15:00 PM<br>vater |        |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                   | Analys |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SW                                 | /5030B)           |                                |                                 |        |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Surr: 4-Bromofluorobenzene                                            | 84.5   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Surr: Dibromofluoromethane                                            | 102    | 80.7-129           |      | %REC                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |
| Surr: Toluene-d8                                                      | 89     | 71.1-120           |      | %REC                                | 146396            | 1                              | 05/14/2011 20:16                | GK     |

\* Value exceeds maximum contaminant level

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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      | -                                   |                   | Date:                          | 20-May-11                     |        |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|-------------------------------|--------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-014 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | DUP-051<br>5/11/201<br>Groundw | 111<br>1 12:00:00 PM<br>/ater |        |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                 | Analys |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                               |        |
| Vinvl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| 1.1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| trans-1.2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| 1.1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| cis-1.2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Surr: 4-Bromofluorobenzene                                            | 83.9   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Surr: Dibromofluoromethane                                            | 104    | 80.7-129           |      | %REC                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |
| Surr: Toluene-d8                                                      | 93.1   | 71.1-120           |      | %REC                                | 146396            | 1                              | 05/14/2011 20:46              | GK     |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                     |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|-------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-015 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-38 2<br>5/9/2011<br>Groundw | ZONE 2<br>6:10:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                 | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | /5030B)           |                                |                               |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Surr: 4-Bromofluorobenzene                                            | 87.7   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Surr: Dibromofluoromethane                                            | 93.7   | 80.7-129           |      | %REC                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |
| Surr: Toluene-d8                                                      | 92.6   | 71.1-120           |      | %REC                                | 146396            | 1                              | 05/18/2011 19:16              | SB      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|----------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-016 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-39 2<br>5/10/201<br>Groundw | ZONE 1<br>1 11:45:00 AM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | I                              | 05/18/2011 19:45                 | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | I                              | 05/18/2011 19:45                 | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ng/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | l                              | 05/18/2011 19:45                 | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| Surr: 4-Bromofluorobenzene                                            | 84.3   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |
| Surr: Dibromofluoromethane                                            | 96.4   | 80.7-129           |      | %REC                                | 146396            | I                              | 05/18/2011 19:45                 | SB      |
| Surr: Toluene-d8                                                      | 90.8   | 71.1-120           |      | %REC                                | 146396            | 1                              | 05/18/2011 19:45                 | SB      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                         | 20-May-11                       |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|-------------------------------|---------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-017 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-397<br>5/10/201<br>Groundw | ZONE 2<br>1 3:25:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor            | Date Analyzed                   | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                               |                                 |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| 1.1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| trans-1.2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| 1.1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| cis-1.2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Surr: 4-Bromofluorobenzene                                            | 93.3   | 64.7-130           |      | %REC                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Surr: Dibromofluoromethane                                            | 99.1   | 80.7-129           |      | %REC                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |
| Surr: Toluene-d8                                                      | 96.1   | 71.1-120           |      | %REC                                | 146396            | 1                             | 05/18/2011 20:14                | SB      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11          |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|--------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-018 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | EB-0510<br>5/10/201<br>Aqueous | 11<br>1 1:10:00 PM |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed      | Analyst |
| Volatile Organic Compounds by GC/MS                                   | W8260B |                    |      | (SV                                 | V5030B)           |                                |                    |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | tıg/L                               | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Surr: 4-Bromofluorobenzene                                            | 86.6   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Surr: Dibromofluoromethane                                            | 109    | 80.7-129           |      | %REC                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |
| Surr: Toluene-d8                                                      | 96.2   | 71.1-120           |      | %REC                                | 146396            | 1                              | 05/19/2011 15:45   | NH      |

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- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit
| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                        |        |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|----------------------------------|--------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-019 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-39 2<br>5/11/201<br>Groundw | ZONE 3<br>1 10:00:00 AM<br>vater |        |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                    | Analys |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SW                                 | /5030B)           |                                |                                  |        |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Surr: 4-Bromofluorobenzene                                            | 88.8   | 64.7-130           |      | %REC                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Surr: Dibromofluoromethane                                            | 104    | 80.7-129           |      | %REC                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |
| Surr: Toluene-d8                                                      | 94.8   | 71.1-120           |      | %REC                                | 146396            | 1                              | 05/18/2011 21:39                 | SB     |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

E Estimated (value above quantitation range)

,

- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                         | 20-May-11                        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|-------------------------------|----------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-020 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-412<br>5/11/201<br>Groundw | ZONE 1<br>1 10:05:00 AM<br>/ater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor            | Date Analyzed                    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                               |                                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| 1,1-Dichloroethene                                                    | 450    | 50                 |      | ug/L                                | 146396            | 10                            | 05/19/2011 16:09                 | MC      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146396            | I                             | 05/19/2011 14:18                 | MC      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| Surr: 4-Bromofluorobenzene                                            | 89.9   | 64.7-130           |      | %REC                                | 146396            | 10                            | 05/19/2011 16:09                 | MC      |
| Surr: 4-Bromofluorobenzene                                            | 91.4   | 64.7-130           |      | %REC                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| Surr: Dibromofluoromethane                                            | 111    | 80.7-129           |      | %REC                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| Surr: Dibromofluoromethane                                            | 112    | 80.7-129           |      | %REC                                | 146396            | 10                            | 05/19/2011 16:09                 | MC      |
| Surr: Toluene-d8                                                      | 102    | 71.1-120           |      | %REC                                | 146396            | 1                             | 05/19/2011 14:18                 | MC      |
| Surr: Toluene-d8                                                      | 106    | 71.1-120           |      | %REC                                | 146396            | 10                            | 05/19/2011 16:09                 | MC      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
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- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                       |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|---------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-021 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-41 2<br>5/11/201<br>Groundw | ZONE 2<br>1 5:30:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                   | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                                 |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| 1,1-Dichloroethene                                                    | 250    | 50                 |      | ug/L                                | 146553            | 10                             | 05/18/2011 20:42                | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | l                              | 05/19/2011 11:40                | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| Surr: 4-Bromofluorobenzene                                            | 85.7   | 64.7-130           |      | %REC                                | 146553            | 10                             | 05/18/2011 20:42                | SB      |
| Surr: 4-Bromofluorobenzene                                            | 86.6   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| Surr: Dibromofluoromethane                                            | 96.6   | 80.7-129           |      | %REC                                | 146553            | 10                             | 05/18/2011 20:42                | SB      |
| Surr: Dibromofluoromethane                                            | 109    | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
| Surr: Toluene-d8                                                      | 92.8   | 71.1-120           |      | %REC                                | 146553            | 10                             | 05/18/2011 20:42                | SB      |
| Surr: Toluene-d8                                                      | 97.7   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 11:40                | SB      |
|                                                                       |        |                    |      |                                     |                   |                                |                                 |         |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                         | 20-May-11                       |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|-------------------------------|---------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-022 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-417<br>5/11/201<br>Groundw | ZONE 3<br>1 1:20:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor            | Date Analyzed                   | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                               |                                 |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| 1.1-Dichloroethene                                                    | 98     | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| trans-1.2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| 1.1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| cis-1.2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| 1.1.1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Surr: 4-Bromofluorobenzene                                            | 81.6   | 64.7-130           |      | %REC                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Surr: Dibromofluoromethane                                            | 104    | 80.7-129           |      | %REC                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |
| Surr: Toluene-d8                                                      | 89.8   | 71.1-120           |      | %REC                                | 146553            | 1                             | 05/19/2011 14:45                | JE      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                       |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|---------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-023 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-42 2<br>5/11/201<br>Groundw | ZONE 1<br>1 2:30:00 PM<br>rater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                   | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                                 |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Surr: 4-Bromofluorobenzene                                            | 89     | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Surr: Dibromofluoromethane                                            | 102    | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |
| Surr: Toluene-d8                                                      | 94.8   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/18/2011 21:11                | SB      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11           |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|---------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-024 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | EB-0511<br>5/11/201<br>Aqueous | 11<br>1 10:40:00 AM |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed       | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                     |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | - 1                            | 05/19/2011 16:10    | NH      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | l                              | 05/19/2011 16:10    | NH      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | . 1                            | 05/19/2011 16:10    | NH      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| Surr: 4-Bromofluorobenzene                                            | 84.9   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| Surr: Dibromofluoromethane                                            | 111    | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |
| Surr: Toluene-d8                                                      | 98.1   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:10    | NH      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
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- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|----------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-025 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-42 2<br>5/12/201<br>Groundw | ZONE 2<br>1 10:45:00 AM<br>rater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Surr: 4-Bromofluorobenzene                                            | 89.2   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Surr: Dibromofluoromethane                                            | 100    | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |
| Surr: Toluene-d8                                                      | 92.9   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 11:12                 | SB      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyse not NELAC certified

- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|----------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-026 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | MW-42 2<br>5/12/201<br>Groundw | ZONE 3<br>1 11:40:00 AM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SW                                 | /5030B)           |                                |                                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | - 1                            | 05/19/2011 12:09                 | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| Surr: 4-Bromofluorobenzene                                            | 88.4   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| Surr: Dibromofluoromethane                                            | 113    | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |
| Surr: Toluene-d8                                                      | 97.7   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 12:09                 | SB      |

\* Value exceeds maximum contaminant level

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- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11          |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|--------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-027 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | EB-0512<br>5/12/201<br>Aqueous | 11<br>1 8:00:00 AM |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed      | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                    |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | t                              | 05/19/2011 16:35   | NH      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | I                              | 05/19/2011 16:35   | NH      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| Surr: 4-Bromofluorobenzene                                            | 87.8   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| Surr: Dibromofluoromethane                                            | 110    | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |
| Surr: Toluene-d8                                                      | 98.3   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:35   | NH      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                           | 20-May-11                           |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|---------------------------------|-------------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-028 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | 200 FRIE<br>5/11/201<br>Groundw | ENDSHIP LN<br>1 5:05:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor              | Date Analyzed                       | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | (5030B)           |                                 |                                     |         |
| Vinvl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| 1.1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Surr: 4-Bromofluorobenzene                                            | 89.8   | 64.7-130           |      | %REC                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Surr: Dibromofluoromethane                                            | 86.3   | 80.7-129           |      | %REC                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |
| Surr: Toluene-d8                                                      | 90     | 71.1-120           |      | %REC                                | 146553            | 1                               | 05/19/2011 14:32                    | SB      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                            |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|--------------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-029 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | 721 CLI<br>5/11/201<br>Groundw | NKSCALES RD<br>1 5:15:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                        | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SW                                 | /5030B)           |                                |                                      |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Surr: 4-Bromofluorobenzene                                            | 82.7   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Surr: Dibromofluoromethane                                            | 112    | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |
| Surr: Toluene-d8                                                      | 98.9   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:00                     | NH      |

Qualifiers:

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

- в Analyte detected in the associated method blank
- Greater than Result value >

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                            |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|--------------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-030 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | 605 CLI<br>5/11/201<br>Groundw | NKSCALES RD<br>1 5:25:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                        | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                                      |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| 1.1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| trans-1.2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| cis-1.2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| 1.1.1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| 1.2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Surr: 4-Bromofluorobenzene                                            | 86.2   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Surr: Dibromofluoromethane                                            | 111    | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |
| Surr: Toluene-d8                                                      | 100    | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:24                     | NH      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                      |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|--------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-031 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | 115 ELR<br>5/10/201<br>Groundw | OD RD<br>1 5:50:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                  | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                                |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | L                              | 05/19/2011 15:01               | SB      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | l                              | 05/19/2011 15:01               | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | I                              | 05/19/2011 15:01               | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | I                              | 05/19/2011 15:01               | SB      |
| cis-1,2-Dichloroethene                                                | BŖL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |
| Surr: 4-Bromofluorobenzene                                            | 86.9   | 64.7-130           |      | %REC                                | 146553            | l                              | 05/19/2011 15:01               | SB      |
| Surr: Dibromofluoromethane                                            | 90     | 80.7-129           |      | %REC                                | 146553            | l                              | 05/19/2011 15:01               | SB      |
| Surr: Toluene-d8                                                      | 91.8   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 15:01               | SB      |

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- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                             |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|---------------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-032 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | 1303 CL<br>5/10/201<br>Groundw | INKSCALES RD<br>1 6:00:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                         | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SW                                 | (5030B)           |                                |                                       |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | · ug/L                              | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | .1                             | 05/19/2011 15:29                      | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Surr: 4-Bromofluorobenzene                                            | 81.7   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Surr: Dibromofluoromethane                                            | 92.1   | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |
| Surr: Toluene-d8                                                      | 92.7   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 15:29                      | SB      |

\* Value exceeds maximum contaminant level

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- > Greater than Result value

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- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                                                    | 20-May-11        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|----------------------------------------------------------|------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-033 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | 119 CLOVERHILL DR<br>5/10/2011 5:40:00 PM<br>Groundwater |                  |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor                                       | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                                          |                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | I                                                        | 05/19/2011 15:58 | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Surr: 4-Bromofluorobenzene                                            | 85.9   | 64.7-130           |      | %REC                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Surr: Dibromofluoromethane                                            | 92.3   | 80.7-129           |      | %REC                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |
| Surr: Toluene-d8                                                      | 91.3   | 71.1-120           |      | %REC                                | 146553            | 1                                                        | 05/19/2011 15:58 | SB      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

- H Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- в Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- Estimated value detected below Reporting Limit J

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-034 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | 412 KAY<br>5/10/201<br>Groundw |                  |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | (5030B)           |                                |                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Surr: 4-Bromofluorobenzene                                            | 82.2   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Surr: Dibromofluoromethane                                            | 92.7   | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:27 | SB      |
| Surr: Toluene-d8                                                      | 91.3   | 71.1-120           |      | %REC                                | 146553            | I                              | 05/19/2011 16:27 | SB      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                      |        |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|--------------------------------|--------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-035 |        |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | 117 FAY<br>5/10/201<br>Groundw | 'E DR<br>1 5:10:00 PM<br>vater |        |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                  | Analys |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SW                                 | /5030B)           |                                |                                |        |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 -             | SB     |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | l                              | 05/19/2011 16:55               | SB     |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| Surr: 4-Bromofluorobenzene                                            | 81.1   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| Surr: Dibromofluoromethane                                            | 96.4   | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |
| Surr: Toluene-d8                                                      | 92.4   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:55               | SB     |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-036 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | 303 KAY<br>5/10/201<br>Groundw |                  |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Surr: 4-Bromofluorobenzene                                            | 84.4   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Surr: Dibromofluoromethane                                            | 111    | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |
| Surr: Toluene-d8                                                      | 98.6   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:49 | NH      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- $\leq$  Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11                     |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|-------------------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-037 |        |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | DUP-051<br>5/10/201<br>Groundw | 011<br>1 12:00:00 PM<br>vater |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed                 | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | V5030B)           |                                |                               |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | · 1                            | 05/19/2011 18:14              | NH      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | L                              | 05/19/2011 18:14              | NH      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | I                              | 05/19/2011 18:14              | NH      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| Surr: 4-Bromofluorobenzene                                            | 83.1   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| Surr: Dibromofluoromethane                                            | 115    | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |
| Surr: Toluene-d8                                                      | 96.8   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 18:14              | NH      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-038 | ,      |                    |      | Client San<br>Collection<br>Matrix: | iple ID:<br>Date: | 200 KAY<br>5/10/201<br>Groundw |                  |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SW                                 | /5030B)           |                                |                  |         |
| Vinvl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| 1.1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| cis-1.2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Surr: 4-Bromofluorobenzene                                            | 86.4   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Surr: Dibromofluoromethane                                            | 89.3   | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |
| Surr: Toluene-d8                                                      | 90.7   | 71.1-120           |      | %REC                                | 146553            | 1                              | 05/19/2011 17:24 | SB      |

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

- $_{\rm s}~E$  Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value

J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                | •       |                    |      |                                     |                   | Date:                                                 | 20-May-11        |         |
|-----------------------------------------------------------------------|---------|--------------------|------|-------------------------------------|-------------------|-------------------------------------------------------|------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-039 |         |                    |      | Client Sar<br>Collection<br>Matrix: | nple ID:<br>Date: | 628 AIRLINE RD<br>5/10/2011 4:30:00 PM<br>Groundwater |                  |         |
| Analyses                                                              | Result  | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor                                    | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/MS                                   | SW8260B |                    |      | (SV                                 | V5030B)           |                                                       |                  |         |
| Vinyl chloride                                                        | BRL     | 2.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| 1,1-Dichloroethene                                                    | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| Methylene chloride                                                    | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| trans-1,2-Dichloroethene                                              | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| 1,1-Dichloroethane                                                    | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| cis-1,2-Dichloroethene                                                | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| Chloroform                                                            | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| 1,1,1-Trichloroethane                                                 | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| Carbon tetrachloride                                                  | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| Benzene                                                               | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| 1,2-Dichloroethane                                                    | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| Trichloroethene                                                       | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| Toluene                                                               | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| Tetrachloroethene                                                     | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| Ethylbenzene                                                          | BRL     | 5.0                |      | ug/L                                | 146553            | - 1                                                   | 05/19/2011 16:26 | JT      |
| Xylenes, Total                                                        | BRL     | 5.0                |      | ug/L                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| Surr: 4-Bromofluorobenzene                                            | 80.3    | 64.7-130           |      | %REC                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| Surr: Dibromofluoromethane                                            | 97      | 80.7-129           |      | %REC                                | 146553            | 1                                                     | 05/19/2011 16:26 | JT      |
| Surr: Toluene-d8                                                      | 77.7    | 71.1-120           |      | %REC                                | 146553            | · 1                                                   | 05/19/2011 16:26 | JT      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                          | 20-May-11        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|--------------------------------|------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-040 |        |                    |      | Client San<br>Collection<br>Matrix: | iple ID:<br>Date: | 408 CLI<br>5/11/201<br>Groundw |                  |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor             | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SW                                 | /5030B)           |                                |                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| 1.1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JТ      |
| trans-1.2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1 .                            | 05/19/2011 16:55 | JT      |
| cis-1.2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146553            | 1                              | 05/19/2011 16:55 | JŦ      |
| Surr: 4-Bromofluorobenzene                                            | 80.4   | 64.7-130           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| Surr: Dibromofluoromethane                                            | 98.6   | 80.7-129           |      | %REC                                | 146553            | 1                              | 05/19/2011 16:55 | JT      |
| Surr: Toluene-d8                                                      | 75.9   | 71.1-120           |      | %REC                                | 146553            | ÷ 1                            | 05/19/2011 16:55 | JT      |

\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- в Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

| Analytical Environmental Services, Inc                                |        |                    |      |                                     |                   | Date:                           | 20-May-11        |         |
|-----------------------------------------------------------------------|--------|--------------------|------|-------------------------------------|-------------------|---------------------------------|------------------|---------|
| Client:BROWN AND CALDWELLProject Name:Owens CorningLab ID:1105B20-041 | ,      |                    |      | Client San<br>Collection<br>Matrix: | nple ID:<br>Date: | (TRIP BI<br>5/12/201<br>Aqueous | 1                |         |
| Analyses                                                              | Result | Reporting<br>Limit | Qual | Units                               | BatchID           | Dilution<br>Factor              | Date Analyzed    | Analyst |
| Volatile Organic Compounds by GC/MS S                                 | W8260B |                    |      | (SV                                 | (5030B)           |                                 |                  |         |
| Vinyl chloride                                                        | BRL    | 2.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| 1,1-Dichloroethene                                                    | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Methylene chloride                                                    | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| trans-1,2-Dichloroethene                                              | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| 1,1-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| cis-1,2-Dichloroethene                                                | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Chloroform                                                            | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| 1,1,1-Trichloroethane                                                 | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Carbon tetrachloride                                                  | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Benzene                                                               | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| 1,2-Dichloroethane                                                    | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Trichloroethene                                                       | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Toluene                                                               | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Tetrachloroethene                                                     | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Ethylbenzene                                                          | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Xylenes, Total                                                        | BRL    | 5.0                |      | ug/L                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Surr: 4-Bromofluorobenzene                                            | 82.3   | 64.7-130           |      | %REC                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Surr: Dibromofluoromethane                                            | 97     | 80.7-129           |      | %REC                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |
| Surr: Toluene-d8                                                      | 86.6   | 71.1-120           |      | %REC                                | 146607            | 1                               | 05/19/2011 13:55 | JE      |

\* Value exceeds maximum contaminant level

- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

# Analytical Environmental Services, Inc.

## Sample/Cooler Receipt Checklist

|         |             |     | <u> </u> |          |
|---------|-------------|-----|----------|----------|
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| nom     | E JI V VIII | 0 1 | all      | INCH     |
|         |             |     |          |          |

Work Order Number 1105620

| Checklist completed by Mark                                               | 5.12.11          |                |                       |                   |
|---------------------------------------------------------------------------|------------------|----------------|-----------------------|-------------------|
| Signature                                                                 | Date             |                |                       |                   |
| Carrier name: FedEx UPS Courier Client /                                  | US Mail          | Other          |                       |                   |
| Shipping container/cooler in good condition?                              | Yes 🔟            | No             | Not Present           |                   |
| Custody seals intact on shipping container/cooler?                        | Yes              | No             | Not Present           |                   |
| Custody seals intact on sample bottles?                                   | Yes /            | No             | Not Present           |                   |
| Container/Temp Blank temperature in compliance? (4°C±2                    | 2)* Yes <u>/</u> | No             |                       |                   |
| Cooler #1 <u>3.6</u> Cooler #2 Cooler #3                                  | Cooler           | #4             | Cooler#5              | Cooler #6         |
| Chain of custody present?                                                 | Yes 🧾            | No             |                       |                   |
| Chain of custody signed when relinquished and received?                   | Yes _/           | No             |                       |                   |
| Chain of custody agrees with sample labels?                               | Yes 🗾            | No             |                       |                   |
| Samples in proper container/bottle?                                       | Yes _/           | No             |                       |                   |
| Sample containers intact?                                                 | Yes /            | No             |                       |                   |
| Sufficient sample volume for indicated test?                              | Yes <u>/</u>     | No             |                       |                   |
| All samples received within holding time?                                 | Yes /            | No             |                       |                   |
| Was TAT marked on the COC?                                                | Yes /            | No             |                       |                   |
| Proceed with Standard TAT as per project history?                         | Yes              | No             | Not Applicable        | <u>.</u>          |
| Water - VOA vials have zero headspace? No VOA vials                       | submitted        | Yes            | <u> </u>              |                   |
| Water - pH acceptable upon receipt?                                       | Yes 🔟            | No             | Not Applicable        |                   |
| Adjusted?                                                                 |                  | Checked by     |                       |                   |
| Sample Condition: Good / Other(Explain)                                   |                  |                |                       |                   |
| (For diffusive samples or AIHA lead) Is a known blank incl                | luded?           | Yes            | No 🗡                  |                   |
| See Case Narrative for resolution of the Non-Conforman                    | nce.             |                |                       |                   |
|                                                                           |                  |                |                       |                   |
| * Samples do not have to comply with the given range for certain paramete | ers.             |                |                       |                   |
| \L\Quality Assurance\Checklists Procedures Sign-Off Templates\C           | Checklists\Samr  | le Receipt Che | cklists\Sample Cooler | Receipt Checklist |

| Inc           |
|---------------|
| Services,     |
| Environmental |
| Analytical    |

| 20-May-11 |
|-----------|
| Date:     |

|                                     |         | Analysis Date                           | 05/14/2011                          | 05/19/2011                          | 05/19/2011                           | 05/19/2011                          | 05/19/2011                                | 05/19/2011                                | 05/14/2011                                | 05/14/2011                                 | 05/14/2011                                | 05/19/2011                              | 05/19/2011                              | 05/14/2011                              | 05/14/2011                               | 05/14/2011                              | 05/18/2011                              | 05/18/2011                               | 05/18/2011                              | 05/19/2011                           | 05/18/2011                               | 05/19/2011                               | 05/18/2011                               | 05/19/2011                              | 05/19/2011                               | 05/18/2011                               | 05/19/2011                             | 05/19/2011                                | 05/19/2011                               | 05/19/2011                            | 05/19/2011                                    |
|-------------------------------------|---------|-----------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------------------|-------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------------|-----------------------------------------|--------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------------|----------------------------------------|-------------------------------------------|------------------------------------------|---------------------------------------|-----------------------------------------------|
|                                     | leport  | Prep Date                               | 05/14/2011                          | 05/14/2011                          | 05/14/2011                           | 05/14/2011                          | 05/14/2011                                | 05/14/2011                                | 05/14/2011                                | 05/14/2011                                 | 05/14/2011                                | 05/14/2011                              | 05/14/2011                              | 05/14/2011                              | 05/14/2011                               | 05/14/2011                              | 05/14/2011                              | 05/14/2011                               | 05/14/2011                              | 05/14/2011                           | 05/14/2011                               | 05/14/2011                               | 05/18/2011                               | 05/18/2011                              | 05/18/2011                               | 05/18/2011                               | 05/18/2011                             | 05/18/2011                                | 05/18/2011                               | 05/18/2011                            | 05/18/2011                                    |
|                                     | Dates F | TCLP Date                               |                                     |                                     |                                      |                                     |                                           |                                           |                                           |                                            |                                           |                                         |                                         |                                         |                                          |                                         |                                         |                                          |                                         |                                      |                                          |                                          |                                          |                                         |                                          |                                          |                                        |                                           |                                          |                                       |                                               |
|                                     |         | Test Name                               | Volatile Organic Compounds by GC/MS | Volatile Organic Compounds by GC/MS | Volatile Organic Compounds by GC/MS  | Volatile Organic Compounds by GC/MS | Volatile Organic Compounds by GC/MS       | Volatile Organic Compounds by GC/MS       | Volatile Organic Compounds by GC/MS       | Volatile Organic Compounds by GC/MS        | Volatile Organic Compounds by GC/MS       | Volatile Organic Compounds by GC/MS     | Volatile Organic Compounds by GC/MS     | Volatile Organic Compounds by GC/MS     | Volatile Organic Compounds by GC/MS      | Volatile Organic Compounds by GC/MS     | Volatile Organic Compounds by GC/MS     | Volatile Organic Compounds by GC/MS      | Volatile Organic Compounds by GC/MS     | Volatile Organic Compounds by GC/MS  | Volatile Organic Compounds by GC/MS      | Volatile Organic Compounds by GC/MS      | Volatile Organic Compounds by GC/MS      | Volatile Organic Compounds by GC/MS     | Volatile Organic Compounds by GC/MS      | Volatile Organic Compounds by GC/MS      | Volatile Organic Compounds by GC/MS    | Volatile Organic Compounds by GC/MS       | Volatile Organic Compounds by GC/MS      | Volatile Organic Compounds by GC/MS   | Volatile Organic Compounds by GC/MS           |
|                                     |         |                                         | ater                                | ater                                |                                      | ater                                | ater                                      | ater                                      | ater                                      | ater                                       | ater                                      | /ater                                   | vater                                   | /ater                                   | ater                                     | vater                                   | vater                                   | vater                                    | water                                   | s                                    | vater                                    | vater                                    | vater                                    | vater                                   | vater                                    | vater                                    |                                        | /ater                                     | vater                                    |                                       | ater                                          |
|                                     |         | Matrix                                  | Groundwa                            | Groundwa                            | Aqueous                              | Groundw                             | Groundw                                   | Groundw                                   | Groundw                                   | Groundw                                    | Groundw                                   | Groundw                                 | Groundw                                 | Groundw                                 | Groundw                                  | Groundv                                 | Groundv                                 | Ground                                   | Ground                                  | Aqueou                               | Groundv                                  | Groundv                                  | Groundv                                  | Groundv                                 | Groundv                                  | Groundw                                  | Aqueous                                | Groundw                                   | Ground                                   | Aqueous                               | Groundwa                                      |
|                                     |         | Collection Date Matrix                  | 5/9/2011 4:20:00PM Groundwa         | 5/9/2011 2:35:00PM Groundwa         | 5/9/2011 3:05:00PM Aqueous           | 5/9/2011 4:55:00PM Groundw          | 5/10/2011 8:50:00AM Groundw               | 5/10/2011 9:40:00AM Groundw               | 5/10/2011 10:30:00AM Groundw              | 5/10/2011 11:35:00AM Groundw               | 5/10/2011 3:20:00PM Groundw               | 5/9/2011 1:45:00PM Groundw              | 5/9/2011 4:10:00PM Groundw              | 5/9/2011 5:50:00PM Groundw              | 5/11/2011 4:15:00PM Groundw              | 5/11/2011 12:00:00PM Groundv            | 5/9/2011 6:10:00PM Groundv              | 5/10/2011 11:45:00AM Ground              | 5/10/2011 3:25:00PM Ground              | 5/10/2011 1:10:00PM Aqueou           | 5/11/2011 10:00:00AM Groundy             | 5/11/2011 10:05:00AM Groundy             | 5/11/2011 5:30:00PM Groundv              | 5/11/2011 5:30:00PM Groundv             | 5/11/2011 1:20:00PM Groundv              | 5/11/2011 2:30:00PM Groundw              | 5/11/2011 10:40:00AM Aqueous           | 5/12/2011 10:45:00AM Groundw              | 5/12/2011 11:40:00AM Groundy             | 5/12/2011 8:00:00AM Aqueous           | 5/11/2011 5:05:00PM Groundwi                  |
| BROWN AND CALDWELL<br>Owens Corning | 1105B20 | Client Sample ID Collection Date Matrix | MW-15 5/9/2011 4:20:00PM Groundwa   | MW-22 5/9/2011 2:35:00PM Groundwi   | EB-050911 5/9/2011 3:05:00PM Aqueous | MVV-35 5/9/2011 4:55:00PM Groundw   | MW-29R ZONE 3 5/10/2011 8:50:00AM Groundw | MW-29R ZONE 4 5/10/2011 9:40:00AM Groundw | MW-36 ZONE 1 5/10/2011 10:30:00AM Groundw | MVV-36 ZONE 3 5/10/2011 11:35:00AM Groundw | MVV-36 ZONE 5 5/10/2011 3:20:00PM Groundw | MW-37 ZONE 1 5/9/2011 1:45:00PM Groundw | MW-37 ZONE 2 5/9/2011 4:10:00PM Groundy | MW-37 ZONE 3 5/9/2011 5:50:00PM Groundw | MW-38 ZONE 1 5/11/2011 4:15:00PM Groundw | DUP-051111 5/11/2011 12:00:00PM Groundy | MW-38 ZONE 2 5/9/2011 6:10:00PM Groundy | MW-39 ZONE 1 5/10/2011 11:45:00AM Ground | MW-39 ZONE 2 5/10/2011 3:25:00PM Ground | EB-051011 5/10/2011 1:10:00PM Aqueou | MW-39 ZONE 3 5/11/2011 10:00:00AM Ground | MW-41 ZONE 1 5/11/2011 10:05:00AM Ground | MW-41 ZONE 2 5/11/2011 5:30:00PM Groundv | MW-41 ZONE 2 5/11/2011 5:30:00PM Ground | MW-41 ZONE 3 5/11/2011 1:20:00PM Groundv | MW-42 ZONE 1 5/11/2011 2:30:00PM Groundw | EB-051111 5/11/2011 10:40:00AM Aqueous | MW-42 ZONE 2 5/12/2011 10:45:00AM Groundw | MW-42 ZONE 3 5/12/2011 11:40:00AM Ground | EB-051211 5/12/2011 8:00:00AM Aqueous | 200 FRIENDSHIP LN 5/11/2011 5:05:00PM Groundw |

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# Analytical Environmental Services, Inc

Date: 20-May-11

| Client:<br>Project:<br>Lab Order: | BROWN AND CALDWELL<br>Owens Corning<br>1105B20 |                      |             |                                     | Dates Re  | port       |               |
|-----------------------------------|------------------------------------------------|----------------------|-------------|-------------------------------------|-----------|------------|---------------|
| Lab Sample ID                     | Client Sample ID                               | Collection Date      | Matrix      | Test Name                           | TCLP Date | Prep Date  | Analysis Date |
| 1105B20-029A                      | 721 CLINKSCALES RD                             | 5/11/2011 5:15:00PM  | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-030A                      | 605 CLINKSCALES RD                             | 5/11/2011 5:25:00PM  | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-031A                      | 115 ELROD RD                                   | 5/10/2011 5:50:00PM  | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-032A                      | 1303 CLINKSCALES RD                            | 5/10/2011 6:00:00PM  | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-033A                      | 119 CLOVERHILL DR                              | 5/10/2011 5:40:00PM  | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-034A                      | 412 KAYE DR                                    | 5/10/2011 5:20:00PM  | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-035A                      | 117 FAYE DR                                    | 5/10/2011 5:10:00PM  | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-036A                      | 303 KAYE DR                                    | 5/10/2011 5:00:00PM  | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-037A                      | DUP-051011                                     | 5/10/2011 12:00:00PM | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-038A                      | 200 KAYE DR                                    | 5/10/2011 4:45:00PM  | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-039A                      | 628 AIRLINE RD                                 | 5/10/2011 4:30:00PM  | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-040A                      | 408 CLINKSCALES RD                             | 5/11/2011 5:45:00PM  | Groundwater | Volatile Organic Compounds by GC/MS |           | 05/18/2011 | 05/19/2011    |
| 1105B20-041A                      | (TRIP BLANK) TB-051211                         | 5/12/2011 12:00:00AM | Aqueous     | Volatile Organic Compounds by GC/MS |           | 05/19/2011 | 05/19/2011    |

| Analytical Environmental                     | Services, Inc           |                        |               |                            |              |                           |            |                                 | Date:                 | 20-May-11                         |   |
|----------------------------------------------|-------------------------|------------------------|---------------|----------------------------|--------------|---------------------------|------------|---------------------------------|-----------------------|-----------------------------------|---|
| Client: BROWN AN<br>Project Name: Owens Corn | ND CALDWEL              | T                      |               |                            |              |                           | ANAL       | YTICAL Q                        | C SUMN                | <b>AARY REPORT</b>                |   |
| Workorder: 1105B20                           | 1                       |                        |               |                            |              |                           |            | Batch                           | ID: 1463              | 96                                |   |
| Sample ID: MB-146396<br>SampleType: MBLK     | Client ID:<br>TestCode: | Volatile Organic Compo | unds by GC/MS | SW8260B                    | Uni<br>Bat   | its: ug/L<br>chID: 146396 | Pre<br>An  | p Date: 05/<br>alysis Date: 05/ | 14/2011<br>14/2011    | Run No: 197067<br>Seq No: 4113321 |   |
| Analyte                                      | Result                  | RPT Limit              | SPK value     | SPK Ref Val                | %REC         | Low Limit                 | High Limit | RPD Ref Val                     | %RPD                  | RPD Limit Qual                    |   |
| I, I, I - Trichloroethane                    | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 | 7 |
| 1,1-Dichloroethane                           | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | ) O                               |   |
| 1,1-Dichloroethene                           | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| 1,2-Dichloroethane                           | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| Benzene                                      | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| Carbon tetrachloride                         | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| Chloroform                                   | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| cis-1,2-Dichloroethene                       | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| Ethy lbenzene                                | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| Methylene chloride                           | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| Tetrachloroethene                            | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| Toluene                                      | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| trans-1,2-Dichloroethene                     | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| Trichloroethene                              | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| Vinyl chloride                               | BRL                     | 2.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| Xylenes, Total                               | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                               | 0                     | 0                                 |   |
| Surr: 4-Bromofluorobenzene                   | 43.90                   | 0                      | 50            | 0                          | 87.8         | 64.7                      | 130        | 0                               | 0                     | 0                                 |   |
| Surr: Dibromofluoromethane                   | 48.87                   | 0                      | 50            | 0                          | 97.7         | 80.7                      | 129        | 0                               | 0                     | 0                                 |   |
| Surr: Toluene-d8                             | 43.71                   | 0                      | 50            | 0                          | 87.4         | 71.1                      | 120        | 0                               | 0                     | 0                                 |   |
| Sample ID: LCS-146396                        | Client ID:              |                        |               |                            | Uni          | its: ug/L                 | Pre        | p Date: 05/                     | 14/2011               | Run No: 197067                    |   |
| SampleType: LCS                              | TestCode:               | Volatile Organic Compo | unds by GC/MS | SW8260B                    | Bat          | chID: 146396              | An         | alysis Date: 05/                | 14/2011               | Seq No: 4113320                   |   |
| Analyte                                      | Result                  | RPT Limit              | SPK value     | SPK Ref Val                | %REC         | Low Limit                 | High Limit | RPD Ref Val                     | %RPD                  | RPD Limit Qual                    |   |
| 1, 1-Dichloroethene                          | 43.14                   | 5.0                    | 50            | 0                          | 86.3         | 60                        | 140        | 0                               | 0                     | 0                                 | 7 |
| Benzene                                      | 49.91                   | 5.0                    | 50            | 0                          | 99.8         | 70                        | 130        | 0                               | 0                     | 0                                 |   |
| Toluene                                      | 45.33                   | 5.0                    | 50            | 0                          | 90.7         | 70                        | 130        | 0                               | 0                     | 0                                 |   |
|                                              |                         |                        |               |                            |              |                           |            |                                 |                       |                                   |   |
| Qualifiers: > Greater than Result v          | /alue                   |                        | < Less        | than Result value          |              |                           | B          | Analyte detected in the         | associated method     | blank                             |   |
| BRL Below reporting limit                    |                         |                        | E Estim       | ated (value above quantita | tion range)  |                           | Н          | Holding times for prepa         | tration or analysis ( | exceeded                          |   |
| J Estimated value det                        | ected below Reporting   | Limit                  | V Analy       | vte not NELAC certified    |              |                           | R          | RPD outside limits due          | to matrix             |                                   |   |
| Rpt Lim Reporting Limit                      |                         |                        | S Spike       | Recovery outside limits di | ue to matrix |                           |            |                                 |                       |                                   |   |

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| Analytical Environmental Se                      | ervices, Inc                |                                  |                 |                            |              |                          |              |                                 | Date:              | 20-May-11                                       |   |
|--------------------------------------------------|-----------------------------|----------------------------------|-----------------|----------------------------|--------------|--------------------------|--------------|---------------------------------|--------------------|-------------------------------------------------|---|
| Client: BROWN AND<br>Project Name: Owens Cornins | D CALDWELL                  |                                  |                 |                            |              |                          | ANALY        | TICAL QC                        | SUMM               | IARY REPORT                                     |   |
| Workorder: 1105B20                               | 0                           |                                  |                 |                            |              |                          |              | BatchII                         | D: 14639           | Ģ                                               |   |
| Sample ID: LCS-146396<br>SampleType: LCS         | Client ID:<br>TestCode: V   | /olatile Organic Compot          | ands by GC/MS 5 | SW8260B                    | Uni<br>Bat   | ts: ug/L<br>chlD: 146396 | Prep         | Date: 05/14<br>ysis Date: 05/14 | 4/2011<br>4/2011   | Run No: <b>197067</b><br>Seq No: <b>4113320</b> |   |
| Analyte                                          | Result                      | <b>RPT</b> Limit                 | SPK value       | SPK Ref Val                | %REC         | Low Limit                | High Limit   | RPD Ref Val                     | %RPD               | RPD Limit Qual                                  |   |
| Trichloroethene                                  | 48.24                       | 5.0                              | 50              | . 0                        | 96.5         | 70                       | 130          | 0                               | 0                  | 0                                               | 7 |
| Surr: 4-Bromofluorobenzene                       | 48.74                       | 0                                | 50              | 0                          | 97.5         | 64.7                     | 130          | 0                               | 0                  | 0                                               |   |
| Surr: Dibromofluoromethane                       | 47.55                       | 0                                | 50              | 0                          | 95.1         | 80.7                     | 129          | 0                               | 0                  | 0                                               |   |
| Surr: Toluene-d8                                 | 49.12                       | 0                                | 50              | 0                          | 98.2         | 71.1                     | 120          | 0                               | 0                  | 0                                               |   |
| Sample ID: 1105B20-001AMS<br>Sample Type: MS     | Client ID: A<br>TestCode: V | WW-15<br>/olatile Organic Compot | ands by GC/MS   | SW8260B                    | Uni<br>Bat   | ts: ug/L<br>chID: 146396 | Prep<br>Anal | Date: 05/14   ysis Date: 05/14  | 4/2011<br>4/2011   | Run No: 197067<br>Seq No: 4114164               |   |
| Analyte                                          | Result                      | <b>RPT</b> Limit                 | SPK value       | SPK Ref Val                | %REC         | Low Limit                | High Limit   | RPD Ref Val                     | %RPD               | RPD Limit Qual                                  |   |
| 1,1-Dichloroethene                               | 748.7                       | 50                               | 500             | 250.9                      | 9.66         | 46.2                     | 183          | 0                               | 0                  | 0                                               | 1 |
| Benzene                                          | 493.8                       | 50                               | 500             | 0                          | 98.8         | 62.2                     | 143          | 0                               | 0                  | 0                                               |   |
| Toluene                                          | 460.7                       | 50                               | 500             | 0                          | 92.1         | 57.8                     | 149          | 0                               | 0                  | 0                                               |   |
| Trichloroethene                                  | 468.3                       | 50                               | 500             | 0                          | 93.7         | 70.5                     | 149          | 0                               | 0                  | 0                                               |   |
| Surr: 4-Bromofluorobenzene                       | 432.4                       | 0                                | 500             | 0                          | 86.5         | 64.7                     | 130          | 0                               | 0                  | 0                                               |   |
| Surr: Dibromofluoromethane                       | 485.4                       | 0                                | 500             | 0                          | 97.1         | 80.7                     | 129          | 0                               | 0                  | 0                                               |   |
| Surr: Toluene-d8                                 | 424.9                       | 0                                | 200             | 0                          | 85           | 71.1                     | 120          | 0                               | 0                  | 0                                               |   |
| Sample ID: 1105B20-001AMSD                       | Client ID: N                | VW-15                            |                 |                            | Uni          | ts: ug/L                 | Prep         | Date: 05/14                     | 4/2011             | Run No: 197067                                  |   |
| SampleType: MSD                                  | TestCode: V                 | Volatile Organic Compo           | unds by GC/MS   | SW8260B                    | Bat          | chID: 146396             | Anal         | ysis Date: 05/14                | 4/2011             | Seq No: 4114165                                 |   |
| Analyte                                          | Result                      | RPT Limit                        | SPK value       | SPK Ref Val                | %REC         | Low Limit                | High Limit   | RPD Ref Val                     | %RPD               | RPD Limit Qual                                  |   |
| 1,1-Dichloroethene                               | 767.6                       | 50                               | 500             | 250.9                      | 103          | 46.2                     | 183          | 748.7                           | 2.49               | 20                                              |   |
| Benzene                                          | 484.2                       | 50                               | 500             | 0                          | 96.8         | 62.2                     | 143          | 493.8                           | 1.96               | 20                                              |   |
| Toluene                                          | 449.3                       | 50                               | 500             | 0                          | 89.9         | 57.8                     | 149          | 460.7                           | 2.51               | 20                                              |   |
| Trichloroethene                                  | 451.2                       | 50                               | 500             | 0                          | 90.2         | 70.5                     | 149          | 468.3                           | 3.72               | 20                                              |   |
| Surr: 4-Bromofluorobenzene                       | 422.2                       | 0                                | 500             | 0                          | 84.4         | 64.7                     | 130          | 432.4                           | 0                  | 0                                               |   |
| Surr: Dibromofluoromethane                       | 487.2                       | 0                                | 500             | 0                          | 97.4         | 80.7                     | 129          | 485.4                           | 0                  | 0                                               |   |
| Surr: Toluene-d8                                 | 429.9                       | 0                                | 500             | 0                          | 86           | 71.1                     | 120          | 424.9                           | 0                  | 0                                               |   |
| Qualifiers: > Greater than Result valu           | ue                          |                                  | < Less 1        | than Result value          |              |                          | B A          | nalyte detected in the ass      | sociated method    | blank                                           |   |
| BRL Below reporting limit                        |                             |                                  | E Estuni        | ated (value above quantita | tion range)  |                          | H            | lolding times for preparat      | tion or analysis e | xceeded                                         |   |
| J Estimated value detects                        | ted below Reporting L       | imit                             | N Analy         | te not NELAC certified     |              |                          | R            | PD outside limits due to        | ) matrix           |                                                 |   |
| Rpt Lim Reporting Limit                          |                             |                                  | S Spike         | Recovery outside limits di | ue to matrix |                          |              |                                 |                    |                                                 |   |

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| Analytical Environmental                     | Services, Inc           |                         |               |                             | ĩ            |                                                                                                                |            |                                   | Date:               | 20-May-11                         |       |
|----------------------------------------------|-------------------------|-------------------------|---------------|-----------------------------|--------------|----------------------------------------------------------------------------------------------------------------|------------|-----------------------------------|---------------------|-----------------------------------|-------|
| Client: BROWN Al<br>Project Name: Owens Corn | ND CALDWEL              | T                       |               |                             |              |                                                                                                                | ANAL       | YTICAL Q                          | C SUMN              | AARY REPORT                       | i r . |
| Workorder: 1105B20                           | )                       |                         |               |                             |              |                                                                                                                |            | Batchl                            | ID: 1465(           | 53                                |       |
| Sample ID: MB-146553<br>SampleType: MBLK     | Client ID:<br>TestCode: | Volatile Organic Compor | unds by GC/MS | SW8260B                     | Uni<br>Bat   | tts: ug/L<br>chID: 146553                                                                                      | Pre<br>An  | p Date: 05/1<br>alysis Date: 05/1 | 18/2011<br>18/2011  | Run No: 197287<br>Seq No: 4120172 |       |
| Analyte                                      | Result                  | <b>RPT</b> Limit        | SPK value     | SPK Ref Val                 | %REC         | Low Limit                                                                                                      | High Limit | RPD Ref Val                       | %RPD                | RPD Limit Qua                     |       |
| 1,1,1-Trichloroethane                        | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| 1,1-Dichloroethane                           | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| 1,1-Dichloroethene                           | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| 1,2-Dichloroethane                           | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| Benzene                                      | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| Carbon tetrachloride                         | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| Chloroform                                   | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| cis-1,2-Dichloroethene                       | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| Ethylbenzene                                 | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| Methylene chloride                           | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| Tetrachloroethene                            | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| Toluene                                      | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| trans-1,2-Dichloroethene                     | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| Trichloroethene                              | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| Vinyl chloride                               | BRL                     | 2.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| Xylenes, Total                               | BRL                     | 5.0                     | 0             | 0                           | 0            | 0                                                                                                              | 0          | 0                                 | 0                   | 0                                 |       |
| Surr: 4-Bromofluorobenzene                   | 43.98                   | 0                       | 50            | 0                           | 88           | 64.7                                                                                                           | 130        | 0                                 | 0                   | 0                                 |       |
| Surr: Dibromofluoronnethane                  | 50.15                   | 0                       | 50            | 0                           | 100          | 80.7                                                                                                           | 129        | 0                                 | 0                   | 0                                 |       |
| Surr: Toluene-d8                             | 46.99                   | 0                       | 50            | 0                           | 94           | 71.1                                                                                                           | 120        | 0                                 | 0                   | 0                                 |       |
| Sample ID: LCS-146553                        | Client ID:              |                         |               |                             | Uni          | ts: ug/L                                                                                                       | Pre        | p Date: 05/1                      | 8/2011              | Run No: 197287                    |       |
| Sample LCS                                   | TestCode:               | Volatile Organic Compos | unds by GC/MS | SW8260B                     | Bate         | chID: 146553                                                                                                   | An         | alysis Date: 05/1                 | 8/2011              | Seq No: 4120171                   |       |
| Analyte                                      | Result                  | RPT Limit               | SPK value     | SPK Ref Val                 | %REC         | Low Limit                                                                                                      | High Limit | RPD Ref Val                       | %RPD                | RPD Limit Qual                    |       |
| 1,1-Dichloroethene                           | 40.92                   | 5.0                     | 50            | 0                           | 81.8         | 60                                                                                                             | 140        | 0                                 | 0                   | 0                                 | ]     |
| Benzene                                      | 50.28                   | 5.0                     | 50            | 0                           | 101          | 70                                                                                                             | 130        | 0                                 | 0                   | 0                                 |       |
| Toluene                                      | 52.21                   | 5.0                     | 50            | 0                           | 104          | 70                                                                                                             | 130        | 0                                 | 0                   | 0                                 |       |
| Trichloroethene                              | 53.00                   | 5.0                     | 50            | 0                           | 106          | 70                                                                                                             | 130        | 0                                 | 0                   | 0                                 |       |
| Qualifiers: > Greater than Result v          | /alue                   |                         | < Less I      | than Result value           |              | North Contraction of the second second second second second second second second second second second second s | B          | Analyte detected in the a:        | ssociated method    | blank                             | 1     |
| BRL Below reporting limi                     | ŧ                       |                         | E Estima      | ated (value above quantital | tion range)  |                                                                                                                | Н          | Holding times for prepar-         | ation or analysis e | papaac                            |       |
| J Estimated value det                        | ected below Reporting   | Limit                   | N Analy       | te not NELAC certified      |              |                                                                                                                | R          | RPD outside limits due t          | to matrix           |                                   |       |
| Rpt Lim Reporting Limit                      |                         |                         | S Spike       | Recovery outside limits di  | te to matrix |                                                                                                                |            |                                   |                     |                                   |       |

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| •                                               | `                     |                        |               |                            |              |              |            |                               | Date:             | 0-May-11        |   |
|-------------------------------------------------|-----------------------|------------------------|---------------|----------------------------|--------------|--------------|------------|-------------------------------|-------------------|-----------------|---|
| Client: BROWN ANI<br>Proiset Name: Owens Cornin | D CALDWELL            |                        |               |                            |              |              | ANALY      | TICAL QC                      | SUMM              | ARY REPORT      |   |
| Workorder: 1105B20                              | ŋ                     |                        |               |                            |              |              |            | BatchID                       | ): 14655:         |                 |   |
| Sample ID: LCS-146553                           | Client ID:            |                        |               |                            | Uni          | ts: ug/L     | Prep       | Date: 05/18/                  | 2011              | Run No: 197287  |   |
| SampleType: LCS                                 | TestCode: V           | olatile Urganic Compou | inds by GC/MS | SW8260B                    | Bat          | chID: 146553 | Anal       | ysis Date: 05/18/             | /2011             | seq No: 4120171 |   |
| Analyte                                         | Result                | RPT Limit              | SPK value     | SPK Ref Val                | %REC         | Low Limit    | High Limit | RPD Ref Val                   | %RPD              | RPD Limit Qual  |   |
| Surr: 4-Bromofluorobenzene                      | 49.64                 | 0                      | 50            | 0                          | 99.3         | 64.7         | 130        | 0                             | 0                 | 0               |   |
| Surr: Dibromofluoromethane                      | 47.11                 | 0                      | 50            | 0                          | 94.2         | 80.7         | 129        | 0                             | 0                 | 0               |   |
| Surr: Toluene-d8                                | 50.37                 | 0                      | 50            | 0                          | 101          | 71.1         | 120        | 0                             | 0                 | 0               |   |
| Sample ID: 1105B20-021AMS                       | Client ID: N          | IW-41 ZONE 2           |               |                            | Uni          | ts: ug/L     | Prep       | Date: 05/18                   | /2011             | Run No: 197364  |   |
| SampleType: MS                                  | TestCode: V           | olatile Organic Compo  | unds by GC/MS | SW8260B                    | Bat          | chID: 146553 | Anal       | ysis Date: 05/19              | 1102/             | Seq No: 4120207 |   |
| Analyte                                         | Result                | <b>RPT</b> Limit       | SPK value     | SPK Ref Val                | %REC         | Low Limit    | High Limit | RPD Ref Val                   | %RPD              | RPD Limit Qual  |   |
| 1,1-Dichloroethene                              | 863.4                 | 50                     | 500           | 247.6                      | 123          | 46.2         | 183        | 0                             | 0                 | 0               |   |
| Benzene                                         | 574.1                 | 50                     | 500           | 0                          | 115          | 62.2         | 143        | 0                             | 0                 | 0               |   |
| Toluene                                         | 579.8                 | 50                     | 500           | 0                          | 116          | 57.8         | 149        | 0                             | 0                 | 0               |   |
| Trichloroethene                                 | 572.2                 | 50                     | 500           | 0                          | 114          | 70.5         | 149        | 0                             | 0                 | 0               |   |
| Surr: 4-Bromofluorobenzene                      | 515.6                 | 0                      | 500           | 0                          | 103          | 64.7         | 130        | 0                             | 0                 | 0               |   |
| Surr: Dibromofluoromethane                      | 544.6                 | 0                      | 500           | 0                          | 109          | 80.7         | 129        | 0                             | 0                 | 0               |   |
| Surr: Toluene-d8                                | 534.2                 | 0                      | 500           | 0                          | 107          | 71.1         | 120        | 0                             | 0                 | 0               |   |
| Sample ID: 1105B20-021AMSD                      | Client ID: N          | <b>1W-41 ZONE 2</b>    |               |                            | Un           | its: ug/L    | Prep       | Date: 05/18                   | /2011             | Run No: 197364  |   |
| SampleType: MSD                                 | TestCode: V           | olatile Organic Compo  | unds by GC/MS | SW8260B                    | Bat          | chID: 146553 | Anal       | ysis Date: 05/19              | /2011             | Seq No: 4120209 |   |
| Analyte                                         | Result                | <b>RPT</b> Limit       | SPK value     | SPK Ref Val                | %REC         | Low Limit    | High Limit | RPD Ref Val                   | %RPD              | RPD Limit Qual  |   |
| 1,1-Dichloroethene                              | 854.9                 | 50                     | 500           | 247.6                      | 121          | 46.2         | 183        | 863.4                         | 0.989             | 20              |   |
| Benzene                                         | 486.5                 | 50                     | 500           | 0                          | 97.3         | 62.2         | 143        | 574.1                         | 16.5              | 20              |   |
| Toluene                                         | 539.2                 | 50                     | 500           | 0                          | 108          | 57.8         | 149        | 579.8                         | 7.26              | 20              |   |
| Trichloroethene                                 | 551.6                 | 50                     | 500           | 0                          | 110          | 70.5         | 149        | 572.2                         | 3.67              | 20              |   |
| Surr: 4-Bromofluorobenzene                      | 535.5                 | 0                      | 500           | 0                          | 107          | 64.7         | 130        | 515.6                         | 0                 | 0               |   |
| Surr: Dibromofluoromethane                      | 553.0                 | 0                      | 500           | 0                          | 111          | 80.7         | 129        | 544.6                         | 0                 | 0               |   |
| Surr: Toluene-d8                                | 538.7                 | 0                      | 500           | 0                          | 108          | 71.1         | 120        | 534.2                         | 0                 | 0               |   |
| Onalifiers: > Greater than Result val           | 111                   |                        |               | than Davits colors         |              |              | 9          |                               |                   | 11.             | 1 |
| RPI Relow revoring limit                        | 1                     |                        | , u           | 1 - 1                      | 1 m m        |              | a :        | ממואוב מבוברובת ווו ווויר מסס | OCINICA INCLUSION | NATIK           |   |
|                                                 |                       |                        |               | lated (value above quantus | ation range) |              | I I        | folding times for preparat    | ion or analysis e | ceeded          |   |
| J ESIMATEU VALUE GEREC                          | ted below Keporting L | mut                    | N Anal        | yte not NELAC certified    |              |              | R          | PD outside limits due to      | matrix            |                 |   |

Date: 20-May-11

Analytical Environmental Services, Inc

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Rpt Lim Reporting Limit

S Spike Recovery outside limits due to matrix

| Analytical Environmental S                    | Services, Inc           |                        |               |                            |              |                           |            |                                   | Date:               | 20-May-11                                       |   |
|-----------------------------------------------|-------------------------|------------------------|---------------|----------------------------|--------------|---------------------------|------------|-----------------------------------|---------------------|-------------------------------------------------|---|
| Client: BROWN AN<br>Project Name: Owens Corni | VD CALDWEL              | <b></b>                |               |                            |              |                           | ANAL       | YTICAL Q                          | C SUMN              | AARY REPORT                                     |   |
| Workorder: 1105B20                            | )                       |                        |               |                            |              |                           |            | Batchl                            | (D: 1466(           | 07                                              |   |
| Sample ID: MB-146607<br>SampleType: MBLK      | Client ID:<br>TestCode: | Volatile Organic Compo | unds by GC/MS | SW8260B                    | Uni<br>Bat   | its: ug/L<br>chID: 146607 | Pre        | p Date: 05/1<br>alysis Date: 05/1 | 9/2011<br>9/2011    | Run No: <b>197364</b><br>Seq No: <b>4120399</b> |   |
| Analyte                                       | Result                  | RPT Limit              | SPK value     | SPK Ref Val                | %REC         | Low Limit                 | High Limit | RPD Ref Val                       | %RPD                | RPD Limit Qual                                  |   |
| 1,1,1-Trichloroethane                         | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| 1,1-Dichloroethane                            | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | ° 0                                             |   |
| 1,1-Dichloroethene                            | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| 1,2-Dichloroethane                            | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| Benzene                                       | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| Carbon tetrachloride                          | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| Chloroform                                    | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| cis-1,2-Dichloroethene                        | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| Ethylbenzene                                  | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| Methylene chloride                            | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| Tetrachloroethene                             | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| Toluene                                       | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| trans-1,2-Dichloroethene                      | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| Trichloroethene                               | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| Vinyl chloride                                | BRL                     | 2.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| Xylenes, Total                                | BRL                     | 5.0                    | 0             | 0                          | 0            | 0                         | 0          | 0                                 | 0                   | 0                                               |   |
| Surr: 4-Bromofluorobenzene                    | 45.48                   | 0                      | 50            | 0                          | 16           | 64.7                      | 130        | 0                                 | 0                   | 0                                               |   |
| Surr: Dibromofluoromethane                    | 52.55                   | 0                      | 50            | 0                          | 105          | 80.7                      | 129        | 0                                 | 0                   | 0                                               |   |
| Surr: Toluene-d8                              | 46.67                   | 0                      | 50            | 0                          | 93.3         | 71.1                      | 120        | 0                                 | 0                   | 0                                               |   |
| Sample ID: LCS-146607                         | Chent ID:               |                        |               |                            | Uni          | ts: ug/L                  | Pre        | p Date: 05/1                      | 9/2011              | Run No: 197364                                  | 4 |
| SampleType: LCS                               | TestCode:               | Volatile Organic Compo | unds by GC/MS | SW8260B                    | Bat          | chID: 146607              | An         | alysis Date: 05/1                 | 9/2011              | Seq No: 4120396                                 |   |
| Analyte                                       | Result                  | RPT Limit              | SPK value     | SPK Ref Val                | %REC         | Low Limit                 | High Limit | RPD Ref Val                       | %RPD                | RPD Limit Qual                                  |   |
| 1,1-Dichloroethene                            | 40.80                   | 5.0                    | 50            | 0                          | 81.6         | 60                        | 140        | 0                                 | 0                   | 0                                               | 7 |
| Benzene                                       | 49.36                   | 5.0                    | 50            | 0                          | 98.7         | 70                        | 130        | 0                                 | 0                   | 0                                               |   |
| Toluene                                       | 51.63                   | 5.0                    | 50            | 0                          | 103          | 70                        | 130        | 0                                 | 0                   | 0                                               |   |
| Trichloroethene                               | 48.10                   | 5.0                    | 50            | 0                          | 96.2         | 70                        | 130        | 0                                 | 0                   | 0                                               |   |
| Qualifiers: > Greater than Result va          | alue                    |                        | < Less        | han Result value           |              |                           | B          | Analyte detected in the as        | sociated method     | blank                                           |   |
| BRL Below reporting limit                     |                         |                        | E Estim       | ated (value above quantita | tion range)  |                           | Н          | Holding times for prepara         | ation or analysis e | xceeded                                         |   |
| J Estimated value deter                       | cted below Reporting I  | inut                   | N Analy       | te not NELAC certified     |              |                           | Я          | RPD outside limits due to         | o matrix            |                                                 |   |
| Rpt Lim Reporting Limit                       |                         |                        | S Spike       | Recovery outside limits du | te to matrix |                           |            |                                   |                     |                                                 |   |

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| Analytical Environmental Se                     | rvices, Inc               |                               |                |                             |              |                        |               |                                 | Date:               | 20-May-11                                       |      |
|-------------------------------------------------|---------------------------|-------------------------------|----------------|-----------------------------|--------------|------------------------|---------------|---------------------------------|---------------------|-------------------------------------------------|------|
| Client: BROWN AND<br>Proizet Name: Ouene Comine | CALDWELL                  |                               |                |                             |              |                        | ANALY         | TICAL QC                        | NMMNS :             | IARY REPO                                       | RT   |
| Workorder: 1105B20                              | Qc                        |                               |                |                             |              |                        |               | BatchII                         | ): 14660            | 7                                               |      |
| Sample ID: LCS-146607<br>SampleType: LCS        | Client ID:<br>TestCode: V | olatile Organic Compou        | nds by GC/MS 5 | SW8260B                     | Unit<br>Batc | s: ug/L<br>hID: 146607 | Prep<br>Analy | Date: 05/19<br>ysis Date: 05/19 | /2011               | Run No: <b>197364</b><br>Seq No: <b>4120396</b> |      |
| Analyte                                         | Result                    | <b>RPT</b> Limit              | SPK value      | SPK Ref Val                 | %REC         | Low Limit              | High Limit    | RPD Ref Val                     | %RPD                | RPD Limit (                                     | Jual |
| Surr: 4-Bromofluorobenzene                      | 50.31                     | 0                             | 50             | 0                           | 101          | 64.7                   | 130           | 0                               | 0                   | 0                                               |      |
| Surr: Dibromofluoromethane                      | 52.12                     | 0                             | 50             | 0                           | 104          | 80.7                   | 129           | 0                               | 0                   | 0                                               |      |
| Surr: Toluene-d8                                | 52.65                     | 0                             | 50             | 0                           | 105          | 71.1                   | 120           | 0                               | 0                   | 0                                               |      |
| Sample ID: 1105B52-001AMS                       | Client ID:                |                               |                |                             | Uni          | Is: ug/L               | Prep          | Date: 05/19                     | 0/2011              | Run No: 197364                                  |      |
| SampleType: MS                                  | TestCode: 1               | olatile Organic Compou        | inds by GC/MS  | SW8260B                     | Bat          | chID: 146607           | Anal          | ysis Date: 05/19                | )/2011              | Seq No: 4120578                                 |      |
| Analyte                                         | Result                    | RPT Limit                     | SPK value      | SPK Ref Val                 | %REC         | Low Limit              | High Limit    | RPD Ref Val                     | %RPD                | RPD Limit (                                     | Qual |
| 1,1-Dichloroethene                              | 1108                      | 100                           | 1000           | 0                           | 111          | 46.2                   | 183           | 0                               | 0                   | 0                                               |      |
| Benzene                                         | 1177                      | 100                           | 1000           | 0                           | 118          | 62.2                   | 143           | 0                               | 0                   | 0                                               |      |
| Toluene                                         | 1601                      | 100                           | 1000           | 0                           | 160          | 57.8                   | 149           | 0                               | 0                   | 0                                               | s    |
| Trichloroethene                                 | 1111                      | 100                           | 1000           | 0                           | 111          | 70.5                   | 149           | 0                               | 0                   | 0                                               |      |
| Surr: 4-Bromofluorobenzene                      | 1082                      | 0                             | 1000           | 0                           | 108          | 64.7                   | 130           | 0                               | 0                   | 0                                               |      |
| Surr: Dibromofluoromethane                      | 1087                      | 0                             | 1000           | 0                           | 109          | 80.7                   | 129           | 0                               | 0                   | 0                                               |      |
| Surr: Toluene-d8                                | 1042                      | 0                             | 1000           | 0                           | 104          | 71.1                   | 120           | 0                               | 0                   | 0                                               |      |
| Sample ID: 1105B52-001AMSD                      | Client ID:                |                               |                |                             | Uni          | ts: ug/L               | Prep          | Date: 05/19                     | 9/2011              | Run No: 197364                                  |      |
| SampleType: MSD                                 | TestCode:                 | <b>/olatile Organic Compo</b> | ands by GC/MS  | SW8260B                     | Bat          | chID: 146607           | Anal          | ysis Date: 05/19                | 9/2011              | Seq No: 4120581                                 |      |
| Analyte                                         | Result                    | <b>RPT</b> Limit              | SPK value      | SPK Ref Val                 | %REC         | Low Limit              | High Limit    | RPD Ref Val                     | %RPD                | RPD Limit                                       | Qual |
| 1,1-Dichloroethene                              | 1067                      | 100                           | 1000           | 0                           | 107          | 46.2                   | 183           | 1108                            | 3.75                | 20                                              |      |
| Benzene                                         | 1188                      | 100                           | 1000           | 0                           | 119          | 62.2                   | 143           | 1177                            | 0.879               | 20                                              |      |
| Toluene                                         | 1568                      | 100                           | 1000           | 0                           | 157          | 57.8                   | 149           | 1601                            | 2.11                | 20                                              | s    |
| Trichloroethene                                 | 1124                      | 100                           | 1000           | 0                           | 112          | 70.5                   | 149           | 1111                            | 1.16                | 20                                              |      |
| Surr: 4-Bromofluorobenzene                      | 1029                      | 0                             | 1000           | 0                           | 103          | 64.7                   | 130           | 1082                            | 0                   | 0                                               |      |
| Surr: Dibromofluoromethane                      | 1068                      | 0                             | 1000           | 0                           | 107          | 80.7                   | 129           | 1087                            | 0                   | 0                                               |      |
| Surr: Toluene-d8                                | 1048                      | 0                             | 1000           | 0                           | 105          | 71.1                   | 120           | 1042                            | 0                   | 0                                               |      |
| Qualifiers: > Greater than Result val           | lue                       |                               | < Less         | than Result value           |              |                        | B             | unalyte detected in the as      | sociated method     | blank                                           |      |
| BRL Below reporting limit                       |                           |                               | E Estin        | nated (value above quantita | ttion range) |                        | H             | tolding times for prepara       | ttion or analysis e | papasa                                          |      |
| J Estimated value detect                        | ted below Reporting I     | limit                         | N Anal         | yte not NELAC certified     |              |                        | R             | CPD outside limits due to       | o matrix            |                                                 |      |

Rpt Lim Reporting Limit

S Spike Recovery outside limits due to matrix

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# Appendix C: Historical Groundwater Data

(Excerpted from the 2005 Annual Groundwater and Surface Water Monitoring Report, ARCADIS G&M, Inc., 2006)



| S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| SADIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SCADIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| IRCADIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ARCADIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ARCADIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ARCADIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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Table E-1. Summary of Selected Groundwater Analytical Results for Overburden Wells, Owens Corning, Anderson, South Carolina.

|     | December-03<br>December-04          | 4 4 NŪ<br>2 4 NŪ<br>2 7 ND<br>ND ND                                              | 0.0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | ND ND<br>NA ND                                                                | NA NŪ                                         | VU NA<br>NA NA             | VA NA<br>VA NA<br>VA NA<br>VA NA                                                                 | 11 I.A   |
|-----|-------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------|----------|
|     | ресешрек-02                         | <u>5</u> 2229                                                                    | U D D                                                                                                     | 9 <u>9</u>                                                                    | -<br>N                                        | 4 4                        |                                                                                                  | 44       |
|     | November-01                         |                                                                                  | Q Q Q                                                                                                     | S S                                                                           | Q                                             | NA<br>140                  |                                                                                                  | 1 () I   |
|     | 00-19dm929Q                         | N N N N                                                                          | 0 0 0                                                                                                     | û QN                                                                          | ND                                            | NA<br>130                  |                                                                                                  | 300      |
|     | n 66-19dm929Q                       |                                                                                  | Q Q Q                                                                                                     | N N                                                                           | NC                                            | NA<br>260                  |                                                                                                  | 00       |
| L M | Becember-98                         | Q Q Q Û                                                                          | Q Q Q                                                                                                     | DN DN                                                                         | QN                                            | NA<br>200                  | - ~ 7 80                                                                                         | 960 2    |
|     | Te-19dm9voM                         |                                                                                  | D D D D                                                                                                   | 0N<br>N                                                                       | QN                                            | AN<br>100                  | N - <u>N</u> 4                                                                                   | 200      |
|     | 8e-19dm9290                         |                                                                                  | Q - Q                                                                                                     | Q Q                                                                           | QN                                            | AN<br>300                  | 17<br>83<br>33<br>7.7                                                                            | 230      |
|     | December-95                         | N D N D N D N D N D N D N D N D N D N D                                          | N N N                                                                                                     | N N                                                                           | QN                                            | NA<br>475                  | 25<br>148<br>12.1<br>118                                                                         | 170      |
|     | £6-tsuguA                           | 4<br>N<br>N<br>N<br>N<br>N<br>N                                                  | QN QN QN                                                                                                  | Q Q                                                                           | Q                                             | NA<br>790                  | 4.4<br>40<br>38<br>18                                                                            | AN       |
|     | 16-1suguA                           |                                                                                  | QN QN                                                                                                     | QN QN                                                                         | Q                                             | NA<br>570                  | 3.9<br>22<br>00<br>13                                                                            | QN       |
|     | 08-15dm9voM                         | AN UN AN                                                                         | Q Q Q                                                                                                     | Q Q                                                                           | Q                                             | NA<br>200                  | 02 0 0 0 0                                                                                       | AN       |
|     | у 20-тэфтэхой                       | 22222                                                                            | Q 9 Q                                                                                                     | Q Q                                                                           | Q<br>Z                                        | AN<br>AN                   | 4 4 4 4<br>4 4 4 4<br>7 4 4 4                                                                    | AN       |
|     | Оесетрег-04 /.                      |                                                                                  | Q Q Q                                                                                                     | QN<br>N                                                                       | QN                                            | AN<br>NA                   | 4 N N A N<br>A N N N N                                                                           | AA       |
|     | Decemper-037                        | QN QN QN QN                                                                      |                                                                                                           | UD<br>NA                                                                      | AN                                            | UN<br>NA                   | N N N N<br>N N N N<br>N N N N                                                                    | ЧA       |
|     | Decemper-03 🖌                       |                                                                                  | ₽ ₽ ₽                                                                                                     | UN<br>N N                                                                     | ٩N                                            | AN<br>AN                   | A N N N N<br>A N N N N                                                                           | AN       |
|     | November-01                         |                                                                                  | QN QN QN                                                                                                  | QN QN                                                                         | Q                                             | 4N<br>69                   |                                                                                                  | QN<br>N  |
|     | December-00                         |                                                                                  | QN QN                                                                                                     | QN<br>QN                                                                      | ů<br>N<br>N                                   | NA<br>210                  | QN C C                                                                                           | Q        |
| N-3 | Decemper-99 /                       |                                                                                  | C C C O                                                                                                   | QN<br>QN                                                                      | QN                                            | NA<br>110                  | QN 2 5 QN                                                                                        | Q        |
| Ŵ   | December-98                         | Q Q Q Q                                                                          | 0 0 0 0                                                                                                   | Q Q                                                                           | Q                                             | NA<br>160                  | 0<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2 | NC       |
|     | 76-тэ <mark>фтэ</mark> vоN          |                                                                                  | Q Q Q                                                                                                     | ON<br>N                                                                       | QN                                            | NA<br>100                  |                                                                                                  | 200      |
|     | 96-19dmaa90                         | ୁଦ୍ଧ କୁ କୁ                                                                       | 8 <u>8</u> 9                                                                                              | QN QN                                                                         | ND                                            | NA<br>160                  | NU 5 1                                                                                           | 389      |
|     | December-95                         | U U U U U U U U U U U U U U U U U U U                                            | 2 0 02<br>N 22                                                                                            | QN<br>N                                                                       | ů                                             | NA<br>172                  | 33<br>33<br>26<br>28                                                                             | NŪ       |
|     | £€-ĴsuguA                           | AN<br>CN<br>CN<br>CN<br>AN                                                       | û n<br>N                                                                                                  | N NO                                                                          | ŨŇ                                            | NA<br>310                  | 16<br>17<br>NG                                                                                   | 11A      |
|     | L6-12nguA                           | NO<br>NO<br>NO                                                                   | G C Q<br>N                                                                                                | QN<br>N                                                                       | QN                                            | 4N<br>190                  | 28                                                                                               | ē2       |
|     | November-90                         | A U U A<br>A U Z Z                                                               | C C Q                                                                                                     | Û Ĵ                                                                           | ũ                                             | A C C                      |                                                                                                  | NA       |
|     | Units                               | 1,65<br>7,65<br>7,65                                                             | 1.62<br>№ธุว<br>1.62                                                                                      | 1/6n                                                                          | 0.g4                                          | l (bn                      | 55 V 60                                                                                          | 1.67     |
|     | Sample dates<br>Halonensted Alkenec | Tettactionoethene<br>Ticthiocoethene<br>1.1.D.chil: I.ceniere<br>V.nyi C.N.L.: H | <mark>Halogenated Methanes</mark><br>Carbon Tetrachlonde<br>Chronolorum<br>Meth <sub>a</sub> rene Chimude | <b>Halogenated Ethanes</b><br>1, 1, 1-Tochloreethane<br>1, 2-Dict.licroethane | <mark>Aromatic Hydrocarbons</mark><br>Benzene | Metals<br>Arsena<br>Betalm | Č RLJOLARIS<br>Leads<br>Rauker                                                                   | Eluoride |

MÜ - Nür Greect NA - Nint Analyzed Quáitheis air Nint ListeJ 1 0/

|                       |                     |             |           |           |             |             |             | M           | 1           |             |                          |             |             |             |             |  |
|-----------------------|---------------------|-------------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|-------------|-------------|-------------|-------------|--|
| Sample dates          | Units               | 06-19dm9voM | 19-JeuguA | £6-}supuA | December-95 | 9e-tedmesed | 79-19dm9voV | 86-төфтөзэо | Secember-99 | 00-19dm9290 | to-i <del>sdms</del> vol | )ecember-02 | )ecemper-03 | 90-19dm9390 | 20-19dm9voi |  |
| Halogenated Alkenes   |                     |             |           |           |             |             |             |             | 1           | 2           | •                        | 1           | 1           |             | V           |  |
| ana nuo or na na na   | ŝ                   | ۹X<br>۲     | Q<br>Z    | ۲N        | 2           | S           | Q2          | QN          | QN          | Q           | Q                        | N           | QN          | QN          | QN          |  |
| Enchloroethene        | ູ່ເອົາ              | G           | QN        | NC        | 0N<br>N     | NŨ          | QN          | ND          | QN          | QN          | QN                       | QN          | QN          | QN          | QN          |  |
| i.1-Dichloroethene    | 1/6n                | ĝ           | ŊŊ        | Çž        | CN          | QN          | QN          | QN          | QN          | QN          | ÛN                       | QN          | 0N          | QN          | QN          |  |
| Vinyl Chloride        | y6n                 | AN          | ŊŊ        | ٩N        | ٩N          | QN          | QN          | QN          | QN          | QN          | QN                       | QN          | Q           | Q           | QN          |  |
| Halogenated Methanes  |                     |             |           |           |             |             |             |             |             |             |                          |             |             |             |             |  |
| Carbon Tetrachloride  | v6n                 | 02          | ŊŊ        | 0N<br>ON  | 014         | QN          | QN          | QN          | QN          | QN          | QN                       | QN          | QN          | QN          | GN          |  |
| Chlorotorm            | V <sub>Dn</sub>     | 2           | QN        | 0N        | QN          | Q           | QN          | Q           | QN          | Q           | QN                       | QN          | â           | Q           | QN          |  |
| Melnyiene Chickde     | Vén                 | ĝ           | ND<br>ND  | C2        | ΩD          | Ŋ           | QN          | QN          | QN          | Q           | QN                       | 0N          | QN          | QN          | QN          |  |
| Halogenated Ethanes   |                     |             |           |           |             |             |             |             |             |             |                          |             |             |             |             |  |
| 1.1,1-frichionathane  | 4 <u>6</u> 7        | <u>ç</u>    | η.<br>N   | 3         | 99          | ЧŪ          | QN          | QN          | Q           | QN          | QN                       | ÔN          | Q           | QN          | QN          |  |
| ז'ג גיונוייסוסגומוש   | yɓn                 | G<br>Z      | 01        | Q         | QN          | Q           | ND          | QN          | QN          | QN          | QN                       | Q           | ٩N          | ĝ           | QN          |  |
| Arometic Hydrocarbons |                     |             |           |           |             |             |             |             |             |             |                          |             |             |             |             |  |
| ชิยกวิชาญ             | ήθη                 | 92<br>2     | GN<br>V   | CV        | GN          | QN          | QN          | QN          | QN          | QN          | Ŋ                        | QN          | ٩N          | QN          | QN          |  |
| Metals                |                     |             |           |           |             |             |             |             |             |             |                          |             |             |             |             |  |
| Ausenic               | 1/50                | ΥŅ          | MA        | ٩A        | ٩N          | 422         | ΨN          | MA          | AN          | ٩N          | ΔN                       | đN          | Q           | Ν           | ٩v          |  |
| Earluin               | r <sub>0</sub> n    | 95E         | 220       | 0r7       | 174         | 160         | 100         | 130         | 89          | 140         | 140                      | ٩N          | d Z         | d N         |             |  |
| Key, kur.             | νfγ.                | <u>C</u> Z  | -         | -         | ΝŪ          | ΟN          | QN          | QN          | Q           | QN          | Q                        | AN          | Ą           | ٩N          | A N         |  |
| Chiùnualli            | ۲ <del>.</del><br>۲ | Q           | 16        | 10        | ~~<br>7     | 2.2         | QN          | 4           | QN          | QN          | QN                       | NA          | ٩N          | AN          | ٩N          |  |
| lead                  | VEn                 | NC:         | C:1       | 2         | ŝ           | 3 2         | ΝD          | 80          | QN          | QN          | QN                       | AN          | QN          | ٩N          | ٩N          |  |
| Nickel                | 1/6n                | NŨ          | 11        | 02        | 37          | ND          | -           | m           | QN          | QN          | QN                       | ٨A          | ٨N          | ٩N          | AN          |  |
| Fluoride              | 140                 | ٩N          | CN        | ЧЧ        | 9           | 314         | 200         | QN          | QN          | 170         | Q                        | AN          | AA          | Ν           | AN          |  |

ND - Non-Derect NA - Not Anrigged Qualitiers are not Listed

Table E-1. Summary of Selected Groundwater Analytical Results for Overburden Wells, Owens Corning. Anderson, South Carolina.

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Table E-1. Summary of selected Groundwater Analytical Results for Overburden Wells, Owens Corning, Anderson, South Carolina.

|                                             |                       | 06-төдтө    | 16-1SN           | 59-19dma      | 56-19 <b>q</b> ma | 96- <del>19</del> 4ma | 76-19dm9 | 89-19dme    | A 66-19que | Mber-00 | ember-01⁄ | mper-02/ | E0-   | mper-03 / | 70-1   | × 40- | <sup>7</sup> 40-19dms | ember-05 < |
|---------------------------------------------|-----------------------|-------------|------------------|---------------|-------------------|-----------------------|----------|-------------|------------|---------|-----------|----------|-------|-----------|--------|-------|-----------------------|------------|
| imple dates                                 | Units                 | ^0 <b>N</b> | δn∀              | tqa2          | 929Q              | ece                   | NoN      | Dece        | Dece       | Dece    | NoN       | Dece     | aunr  | nece      | inqA   | Álut  | Dece                  | ~~N        |
| alogenated Alkenes                          |                       |             |                  |               |                   |                       |          |             |            |         |           |          |       |           |        |       |                       |            |
| -trachloroethene                            | 5                     | ٩N          | NU V             | ЧЧ            | ĺ2                | 40<br>4               | C2       | 0N          | 23         | QN      | GN        | QN       | QN    | ND        | QN     | ÛN    | QN                    | 4.51       |
| schlör detthené                             | სტი                   | ٨N          | GN<br>N          | N.D           | 0H                | 62                    | 0N<br>N  | QN          | 266        | QN      | QN        | Q        | QN    | QN        | QN     | QN    | Q                     | 3.21       |
| 1 Suchlorcediene                            | ار <del>ز</del> ر     | 7 N         | 0<br>1           | 6:95          | 316.00            | 34000                 | 14000    | 2900        | 14000      | 27600   | 30100     | 45000    | 1600  | 4400      | 6200   | 3200  | 1 0001                | 70001      |
| مهتابا برم                                  |                       | ŇĂN         | No.              | ЧŅ            | ¥۶                | U.H                   | GN       | ŊŊ          | CN         | QN      | CN        | ND       | ND    | QN        | 0<br>N | QN    | QN                    | QN         |
| atonenated Methanec                         |                       |             |                  |               |                   |                       |          |             |            |         |           |          |       |           |        |       |                       |            |
| arbyn letrachionde                          | رم/.                  | NA          | ą                | ÛN.           | аС                | 04                    | 0N       | 0N          | ND         | QN      | QX        | QN       | QN    | QN        | QN     | QN    | QN                    | QN         |
| mactoria                                    | ybio                  | ٩v          | 01               | ΩN            | NÛ                | 22                    | 02       | Q<br>N<br>N | 113        | Q       | QN        | QN       | Q     | QN        | QN     | QN    | QN                    | 15.5       |
| וווייטייטייקענאפע                           | 557                   | UN.         | ЧC               | $\bar{C}^{2}$ | с. Ч              | CN                    | QN       | CN          | ND.        | QN      | QN        | Q        | QN    | QN        | NŨ     | QN    | QN                    | ND         |
| _                                           |                       |             |                  |               |                   |                       |          |             |            |         |           |          |       |           |        |       |                       |            |
| alogenated, Ethanes<br>1, 1-Tucht scoethane | γbn                   | A:          | رد.<br>تر        | 1.05          | 000055            | 52000                 | 28000    | 8200        | 24600      | 36500   | 36000     | 76600    | 18030 | 9100      | 13000  | 8300  | 3800                  | 5500D      |
| .2 Dichloroethane                           | ,ç,                   | AN          | 01               | 2             | 04                | 32                    | CN       | QN          | 17.1       | QN      | QN        | CN       | ÔN    | AN        | QN     | QN    | 02                    | QN         |
| romatic Hydrocarbons                        |                       |             |                  |               |                   |                       |          |             |            |         |           |          |       |           |        |       |                       |            |
| يا 24.4K                                    | ب<br>من<br>ا          | х<br>N      | $\partial u_{i}$ | QN            | GИ                | -                     | ĊN       | QN          | QN         | QN      | Q         | QN       | NA    | AN        | ÛN     | QN    | QN                    | QN         |
| letals                                      |                       |             |                  |               |                   |                       |          |             |            |         |           |          |       |           |        |       |                       |            |
| 1.4E-DIC                                    | 13                    | 4.          | 5.63             | 67            | 16.6              | ΩN                    | 0N       | ÛN          | AN         | ٩N      | ND        | ٩N       | ΝA    | Q         | ٩N     | AN    | ٩N                    | ΝÅ         |
| antim                                       | ".                    |             | 17:              | ÷5            | 5                 | 620                   | 100      | 70          | 220        | 061     | 170       | AN       | ٩N    | ΝA        | ٩N     | NA    | ٩N                    | AN         |
| <del>с</del> і) Іг. П.                      | 1.6:                  | 2           | 41               | ς,<br>Ω       | 205               | 57                    | 20       | m           | 24         | 27      | 25        | AN       | ٩N    | AN        | ٩N     | ٨A    | ٩N                    | NA         |
| ALCO LLTA                                   | Γ¢.                   | 17          | 61               | Ś             | . :               | 232                   | Ū        | ę.          | QN         | Q       | Q         | ٩N       | ٩N    | ЧЧ        | AN     | ٩N    | ٩N                    | AN         |
| edii                                        | -<br>1<br>2<br>2<br>1 | 5           | 1.5              | 67            | 174               | 1 17                  | 04       | 04          | QN         | QN      | QN        | ٩N       | NA    | QN        | ЧA     | 41    | ٨A                    | NA         |
| (ki) e)                                     | ų,                    | 290         | 014              | 54            | اؤە               | 174                   | C.F      | 1C          | 021        | 160     | 021       | AN       | ٩N    | ٩N        | ٨A     | ٨A    | ٩N                    | ٩N         |
| luoride                                     | Ne.                   | 5.<br>1     | 21 tá.           | 11405         | 1111              | 00+31                 | 3Ū+Ĵ{    | 400.0       | 1700000    | 720000  | 1780000   | ΝA       | 1500  | NA        | 230    | 570   | AN                    | τN<br>N    |
|                                             |                       |             |                  |               |                   |                       |          |             |            | -       |           |          |       |           |        |       |                       |            |

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| nimary of Selected Groundwater Analytical Results for Overburden Wells, Owens Corning, Anderson, South Carolina. |
|------------------------------------------------------------------------------------------------------------------|
| able E-1. Sum                                                                                                    |
|                                                                                                                  |

|       | Sample dates<br>Halogenated <u>Alkenes</u> | Tetrauliscoetucie<br>Traducios trea e<br>1 traducios treanê<br>Vinya Chiar de          | Halogenated Methanes<br>Calean Tetrachtonde<br>Untoniorm<br>Methyiene Chiricide | Halogenated Ethanes<br>1,1 * Fridik roetrane<br>1,2 Goddeneetlane | Aromatic Hydrocarbons<br>venzere<br>Metals | Auseuk<br>Basisi<br>Beryalum<br>Uhriani<br>Lina<br>Mackel                                      | Fluoride    |
|-------|--------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------|-------------|
|       | Units                                      | के के के के                                                                            | 160<br>160<br>160                                                               | ្ត្រី ភ្នំ<br>ភូមិព<br>ភូមិព                                      | yến                                        | ალი<br>ინი<br>ენი<br>ენი<br>ენი                                                                |             |
|       | 06-19dm9voN                                | AN<br>NA<br>NA<br>NA                                                                   | QN<br>GN<br>QN                                                                  | 22                                                                | ()N                                        | 85<br>No<br>No<br>No<br>No<br>No                                                               | ΨN          |
|       | re-taupuA                                  |                                                                                        | 04<br>04                                                                        | 0H<br>N                                                           | ~                                          | AN S S S S S S S S S S S S S S S S S S S                                                       | CN.         |
|       | September-93                               | 48<br>18<br>18<br>18                                                                   | e<br>u<br>u                                                                     | NC<br>NC                                                          | .c                                         | A S S S S S                                                                                    | .1<br>2     |
|       | Տ≌ւթdməշəପ                                 | na tra                                                                                 | o o o                                                                           | 140<br>1.0                                                        | 0N                                         | 112<br>112<br>110<br>110<br>374<br>374                                                         | 126         |
|       | 96-isdmsse0                                | S C C C C                                                                              | QN<br>₽                                                                         | 0N<br>QN                                                          | ~                                          | t:A<br>840<br>15<br>55<br>55<br>412                                                            | 1.40        |
|       | 79-19dməvoN                                | UN<br>CN<br>CS<br>CS<br>CS<br>CS<br>CS<br>CS<br>CS<br>CS<br>CS<br>CS<br>CS<br>CS<br>CS | C C C                                                                           | QN<br>QN                                                          | Q                                          | AN<br>104<br>108<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10 | 56.0        |
| MM    | 89-19dm9390                                | CN CN CN CN CN CN CN CN CN CN CN CN CN C                                               | 0 0 0 0                                                                         | QN<br>QN                                                          | QN                                         | NA<br>260<br>ИС<br>16<br>31<br>20                                                              | 20:J        |
| Ę     | 66-1edmeseD                                | ON<br>ON<br>ON<br>ON                                                                   | 0 <u>2</u> 0                                                                    | QN                                                                | QN                                         | 250<br>ND<br>ND<br>ND<br>29<br>29                                                              | 130         |
|       | December-00                                | ND<br>ND<br>204<br>10 7                                                                | QN QN QN                                                                        | 27.3<br>ND                                                        | Q                                          | NA<br>210<br>ND<br>ND<br>26<br>26                                                              | 170         |
|       | 10-40N                                     | NU<br>14<br>335<br>216                                                                 | 2 0 Q                                                                           | 35                                                                | 0 82                                       | 4 51 0 0 0 0<br>0 0 0 0 0                                                                      | 250         |
| -     | December-02                                | ND<br>ND<br>ND<br>ND                                                                   | Quanda                                                                          | ON<br>N                                                           | QN                                         | N N N N N N N N N N N N N N N N N N N                                                          | AM          |
|       | Decemper-03                                |                                                                                        | 0 9 Q                                                                           | UN<br>NA                                                          | NA                                         | 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4                                                        | AN L        |
|       | December-04                                | ND<br>ND<br>366 21                                                                     | CN QN                                                                           | ON CN                                                             | - ON                                       | NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA                                                   | A AV        |
|       | 20-19dm9voN                                | 1.3<br>1.2<br>8002<br>33                                                               | 0 0 0                                                                           | 2 v                                                               | -<br>Q                                     |                                                                                                | <br>4       |
|       | 06-19dm9voN                                |                                                                                        | 8 0 0 0                                                                         | 40<br>40                                                          | 4<br>23                                    | A C C 8 C C<br>                                                                                | z<br>Ş      |
|       | 16-J2UDNA                                  |                                                                                        | 40 N 5                                                                          | - z                                                               | <u> </u>                                   | 440000<br>21231200                                                                             | 2<br>a      |
|       | September-93                               |                                                                                        | - 4 Z<br>€ Q 0                                                                  | z z<br>- 9                                                        | z                                          | A 5 0 0 0                                                                                      | N<br>N      |
|       | December-95                                | 5 5 5 5<br>Z Z Z                                                                       | 9 Q Q                                                                           | <u>0</u> 0                                                        | Ż.<br>Q                                    | A 0 0 0 5 A<br>0 8 0 8<br>2 M 7 2 E 5 A<br>2 M 7 2 2 2 2 2 3 3 3 4 3 4 3 4 3 4 3 4 3 4 3       | et.         |
|       | 96-Jadmasau                                | 2 L 2 0                                                                                | - Z Z<br>500                                                                    | e S                                                               | ž.                                         | A S O L O L                                                                                    | č.<br>v     |
|       | \8-190m9vom                                | ~ 0 8 0                                                                                | ~ ° Ω<br>X                                                                      | Z Z<br>Z S                                                        | уй<br>Д                                    | A 3 2 0 0 0                                                                                    | Cut<br>Cut  |
| MW-12 | 00-1201112224                              |                                                                                        |                                                                                 | ž ž                                                               | NN. C                                      | A G C C C C C                                                                                  | NUN NU      |
|       | 66-120maza                                 | N M M M                                                                                |                                                                                 |                                                                   | ž                                          | A C C D C                                                                                      |             |
|       | / to-redmano/                              | -2%2<br>00%3                                                                           | 8 m 0<br>2 m 0                                                                  | N N                                                               | N.C.                                       |                                                                                                | 2<br>7<br>2 |
|       |                                            |                                                                                        |                                                                                 | žž                                                                | E                                          | 222222                                                                                         |             |
|       | > 20-190W2390                              | zzzz<br>aaga                                                                           | . <u>ZZZ</u>                                                                    | 22<br>200                                                         | 2<br>E                                     |                                                                                                | ł           |
|       | Consequenced                               |                                                                                        | : ∞≃≆                                                                           | S N                                                               | N NC                                       |                                                                                                |             |
|       | S0-19dmevov                                | 5                                                                                      | 2 1 2<br>2 1 2                                                                  | 57 UN                                                             | PIG.                                       | N N N N N N N N N N N N N N N N N N N                                                          | : :         |
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|             | 20-19dməvoN                        | 2222                                                                                            | 2 2 Q                                                                                   | UN<br>NA                                                                     | ٩N                                                        | O A A A A A A A A A A A A A A A A A A A                                         | AM         |
|-------------|------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------|------------|
|             | December-04                        | 00<br>01<br>01<br>01<br>01<br>01<br>01<br>01<br>01<br>01<br>01<br>01<br>01<br>0                 | 28<br>33                                                                                | dn<br>dn                                                                     | NC                                                        | N N N N N N N N N N N N N N N N N N N                                           | ΝA         |
| <u>Y-45</u> | Decemper-03                        | Q Q Q Q Q                                                                                       | an an an                                                                                | 0N<br>MA                                                                     | NA                                                        | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>N | NA         |
| B           | December-02                        | ç o a p                                                                                         | NC 4                                                                                    | GN ON                                                                        | ŊŊ                                                        | 4 4 4 4 4<br>7 7 7 7 7 7 7                                                      | ΝA         |
|             | 0-tober-01                         |                                                                                                 | 2 6<br>2 6<br>2 8                                                                       | QN QN                                                                        | NŪ.                                                       | NO 00 1230                                                                      | QN         |
|             | 10-19dm9voN                        |                                                                                                 | 0N 5 0N                                                                                 | 0 Q                                                                          | ЧС                                                        | A A A A A A A A A A A A A A A A A A A                                           | NA         |
|             | Хочетрег-05                        | O C C C C                                                                                       | NC NC                                                                                   | QN<br>QN                                                                     | ND                                                        | 4 7 7 7 7<br>7 7 7 7<br>7 7 7 7                                                 | MA         |
|             | December-04                        | 0 0 0 0<br>0 0 0 0                                                                              | 0 N N N                                                                                 | QN ON                                                                        | Q                                                         | 4 4 4 4 4<br>7 7 7 7 7 7                                                        | AA         |
| [43         | December-03                        | Q Q Q Q                                                                                         | Q Q Q                                                                                   | UN NU                                                                        | MA                                                        | D V V V V V<br>V V V V V                                                        | AN         |
| E.          | December-02                        |                                                                                                 | Q N N                                                                                   | QN QN                                                                        | QN                                                        | N N N N N N N N N N N N N N N N N N N                                           | NA         |
|             | t0-redato0                         | Q Q Q Q                                                                                         | ON<br>CN<br>9 I                                                                         | Q Q                                                                          | QN                                                        | 1800<br>1800<br>4.1<br>23<br>80<br>ND                                           | QN         |
|             | t0-19dm9voN                        | G Q Q Q                                                                                         | 9 9 9                                                                                   | Q Q                                                                          | C Z                                                       | A A A A A A A A A A A A A A A A A A A                                           | NA<br>N    |
|             | Kovember-05                        | 387<br>537<br>3500001<br>ND                                                                     | DN<br>65<br>UN                                                                          | 9100001<br>0N                                                                | ĊN                                                        | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2                                           | NA         |
| -28         | December-04                        | ND<br>24060<br>ND                                                                               | ND<br>ND                                                                                | 1 61000<br>MD                                                                | ŊŊ                                                        | A A A A A A A A A A A A A A A A A A A                                           | NA         |
| WW          | 40-ylul                            | 00065<br>GN<br>GN                                                                               | ũ n n                                                                                   | 49000<br>ND                                                                  | Q                                                         | 4 4 4 4 4 4<br>7 7 7 7 7 7 7 7 7 7 7 7 7 7                                      | 330        |
|             | \$0. Y6M                           | ал<br>25005<br>ND                                                                               | DN CN CN                                                                                | 0001E                                                                        | ĊN                                                        | 4 N N N N N N N N N N N N N N N N N N N                                         | 1800       |
|             | 40-linqA                           | ND<br>ND<br>167000<br>ND                                                                        | QN QN QN                                                                                | 000 <u>96</u> 000                                                            | ND                                                        | 4 4 4 4 4 4<br>4 4 4 4 7 7 7 7 7 7 7 7 7 7                                      | 3800       |
|             | 20-тэdғтэvой                       |                                                                                                 | Q Q Q                                                                                   | QN QN                                                                        | ÛN                                                        | 4 4 4 4 4<br>2 2 2 2 2 2 2 2                                                    | AN         |
|             | December-04                        |                                                                                                 | Q C Q                                                                                   | ON ON                                                                        | QN                                                        | 4 N N N N N N N N N N N N N N N N N N N                                         | ЧA         |
|             | Decemper-03                        | 0 2 0 0 0                                                                                       | QN QN                                                                                   | UN<br>NA                                                                     | AN                                                        | U N N N N N N N N N N N N N N N N N N N                                         | ΨN         |
|             | December-02                        | 0 0 0 0 0                                                                                       | ON ON ON                                                                                | QN CN                                                                        | Q                                                         | 4 4 4 4 4<br>4 7 7 7 7 7<br>7 7 7 7 7                                           | NA         |
|             | 10-19dm9voM                        | 0 0 0 0 0                                                                                       | ON ON                                                                                   | QN QN                                                                        | QN                                                        | HA CUN CUN CUN CUN CUN CUN CUN CUN CUN CUN                                      | QN         |
| I-WW        | 0ecember-00                        | 2 Q Q Q                                                                                         | 02 02                                                                                   | CN<br>CN                                                                     | QN                                                        | 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                                         | 017        |
|             | Decemper-99                        | 2 0 0 Q                                                                                         | 4 9 9<br>9                                                                              | QN<br>QN                                                                     | QN                                                        | 120<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND                             | ÛN         |
|             | Decemper-98                        | ON<br>ND<br>ND                                                                                  | QU<br>R<br>R                                                                            | ्य<br>य                                                                      | QN                                                        | 12 03 03 02 F                                                                   | QN         |
|             | 79-19 <b>dmə</b> voN               |                                                                                                 | CN<br>CN                                                                                | 0N<br>0N                                                                     | ι., I                                                     | K 2 2 2 2 2 2                                                                   | ei.        |
|             | December-96                        | 92998                                                                                           | ta<br>ND<br>ND                                                                          | QN<br>QN                                                                     | NÜ                                                        | NA<br>170<br>1 E<br>1 E<br>1 C<br>10                                            | 3. 5       |
|             | م<br>٤פ-זצעפַעא                    | 92922<br>2292                                                                                   | 8 2 ž                                                                                   | 29                                                                           | NÛ                                                        | 497 - 292<br>292                                                                | <u>а</u>   |
|             | Cuit                               |                                                                                                 | 265<br>265                                                                              | vên<br>Vêr                                                                   | /Ēn                                                       | 601<br>601<br>601<br>601<br>601<br>601<br>601<br>601<br>601<br>601              | <u>`</u> ; |
|             | Sample dates<br>Halonorsed Alkenee | ביו איז אור איז אור איז אור איז אור איז אור איז איז אור איז איז איז איז איז איז איז איז איז איז | <b>Halogenated Methanes</b><br>Carbon Terrachiunde<br>Urbusitiona<br>Methylene unlur de | <b>Halogenated Ethanes</b><br>1.1.5-16-ch.or.cethane<br>1.2. Giethor.cethane | <mark>Aromatic Hydrocarbons</mark><br>Benzen <del>e</del> | Metals<br>Arsen :<br>Barum<br>Berum<br>Chromuun<br>Lead<br>Necker               | Fluoride   |

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Table E-2. Summary of Selected Groundwater Results for the Top of Rock Wells, Owens Corning. Anderson, South Carolina.

| 1              |                                                                | 1                                                                                                 |                                                                                 |                                                                    |                                                                        |                                                                                        |                |
|----------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------|
|                | 20-тэфтэvoV                                                    | QN QN QN                                                                                          | N N N                                                                           | ÛN<br>ÛN                                                           | QN QN                                                                  | V V V V V<br>V V V V V<br>V V V V V                                                    | NA             |
|                | ₽0-19dm929D                                                    | N N N N                                                                                           | ND C<br>NC                                                                      | QN QN                                                              | d d                                                                    | AN AN AN<br>AN AN AN<br>AN AN AN                                                       | ΝA             |
|                | r0-19dm9voV                                                    | Q Q Q Q                                                                                           | Q Q Q                                                                           | QN<br>N                                                            | DN DN                                                                  | ND ND ND ND ND ND ND ND ND ND ND ND ND N                                               | QN             |
|                | December-00                                                    | CN CN CN CN                                                                                       | N N N                                                                           | DN<br>ND                                                           | GN                                                                     | AN 00 0 2 2 2<br>0 2 2 2 2 2                                                           | 240            |
| N-2            | December-99                                                    | 0 0 0 0<br>N 0 0                                                                                  | ON ON                                                                           | DN<br>N                                                            | C/2                                                                    | AN AN AN AN AN AN AN AN AN AN AN AN AN A                                               | QN             |
| ź              | December-98                                                    |                                                                                                   | QN QN QN                                                                        | QN<br>N                                                            | Ŋ                                                                      | A A A A A A A A A A A A A A A A A A A                                                  | QN             |
|                | Vovember-97                                                    |                                                                                                   | CN D D                                                                          | QN<br>N                                                            | QN                                                                     | NA<br>ND<br>ND<br>ND<br>ND<br>ND                                                       | 600            |
|                | December-96                                                    | ON ON ON                                                                                          | N N N                                                                           | ON<br>N                                                            | QN                                                                     | NA<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND                                           | 785            |
|                | December-95                                                    | D D D N N<br>N N N N                                                                              |                                                                                 | QN<br>QN                                                           | QN                                                                     | NA<br>64.8<br>ND<br>ND<br>ND<br>ND<br>ND                                               | QN             |
|                | £6-12nDn¥                                                      | G Q Q Q                                                                                           |                                                                                 | Q Q                                                                | Q<br>Z                                                                 | NA<br>ND ON                                                                            | Ŋ              |
|                | Хочетрег-05                                                    | Q Q Q Q                                                                                           | Q Q Q<br>N N                                                                    | Q Q<br>X                                                           | â                                                                      | 4 4 4 4 4<br>7 7 7 7 7 7                                                               | NA             |
|                | December-04                                                    | N N N N                                                                                           | ND 21                                                                           | QN<br>ND                                                           | DN.                                                                    | A A A A A A A A A A A A A A A A A A A                                                  | NA             |
|                | Кочетрег-01                                                    |                                                                                                   | QN<br>ND                                                                        | S NO<br>N                                                          | QN                                                                     | 98<br>NDN<br>NDN<br>NDN<br>NDN                                                         | QN             |
| 1 <del>.</del> | Decentber-00                                                   |                                                                                                   | QN<br>QN<br>QN                                                                  | NO ON                                                              | QN                                                                     | AN<br>DUN<br>DUN<br>DUN<br>DUN<br>DUN                                                  | 250            |
|                | December-99                                                    |                                                                                                   | QN QN                                                                           | ON ON                                                              | QN                                                                     | 44<br>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                                            | GN             |
| R              | December-98                                                    | N N N N<br>N N N N                                                                                | Û Û<br>NÛ<br>N                                                                  | QN                                                                 | QN                                                                     | ND 2 ND 2 ND 2 ND 2 ND 2 ND 2 ND 2 ND 2                                                | CN             |
|                | 79-тө <b>д</b> төvо <mark>и</mark>                             | N N N N                                                                                           | CN QN                                                                           | ũ N<br>N N                                                         | QN                                                                     | AN<br>65<br>00<br>1<br>00<br>1                                                         | 500            |
|                | December-96                                                    |                                                                                                   | 04<br>94<br>94                                                                  | NG NG                                                              | 0N                                                                     | NA<br>160<br>31<br>31<br>21<br>80                                                      | 16.2           |
|                | Decemper-95                                                    | C D D Z<br>Z Z Z Z<br>Z Z Z Z                                                                     | on<br>No                                                                        | NC<br>NC                                                           | Ž                                                                      | NA<br>15<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10 | 2              |
|                | £6-1snɓn∀                                                      | 3339                                                                                              | N Z Z N                                                                         | S S                                                                | 22                                                                     | NA<br>0-190<br>0-46<br>NC<br>NC<br>NC                                                  | VI.            |
|                | Units                                                          | 1 × 5 5                                                                                           | ເດັ່ງ<br>ເດັ່ງ<br>ອີ                                                            | ری)<br>دی<br>۱۹                                                    | ą                                                                      | ក្សក្នុង<br>សម្តុំដ្<br>សម្តុំដ<br>សម្តុំដ                                             | 1.00           |
|                | Sample dates<br>Halogenated Alkenes<br>Pitra tildrater Ankenes | Inchesoenyene<br>Inchesoentylene<br>1.1-Burdioroettylene<br>Visy cheroide<br>Halogenated Merhanes | Curbon Tetrachlonde<br>Charlotion<br>Multiytene Chlonde<br>Hallogensted Ethanor | <ol> <li>1.) 1-1ndderoetuane</li> <li>1.2-unddaneetuane</li> </ol> | <u>កាហារសាក់។។ពូលcarbons</u><br>ទំខាត់ចោ <del>ច</del><br><u>Metals</u> | Arsenic<br>Barum<br>Beryaum<br>C.G.o-mum<br>Roxel<br>Noxel                             | Allo - Numbers |

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Table E-2. Summary of Selected Groundwater Results for the Top of Ruck Wells, Owens Corning, Anderson, South Carolina.

|                       |       |              |              |             |             |             | MM          | (Thi        |             |             |            |             |              |             |             |             |             | NW          | -10         |         |             |             |             |
|-----------------------|-------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|-------------|-------------|-------------|
| Sample dates          | Units | 5e-19dm9tq92 | December-95  | 96-19dm929D | 79-19dm9voN | Be-redmeceB | ee-19dm929Q | 00-19dm9990 | November 01 | December 02 | 0190m93940 | 20-19dm929d | 5eptember-93 | December-95 | 9e-ıədməsəd | ∑8-19dm9voŃ | December-98 | December-99 | December-00 | 10-von  | December-02 | December-03 | December-04 |
| Halogenated Alkenes   |       |              |              |             |             |             |             |             |             |             |            |             |              |             |             |             |             |             |             | 1       |             |             |             |
| l ellachicroethylene  | vfr   | ۲<br>Z       | ŝ            | QN          | QN          | CN<br>N     | QN          | QN          | 2<br>02     | 2           | z<br>Q     | ON OI       | AN<br>N      | Q           | QN          | Q           | ů           | Q           | QN          | 2<br>N  | QN          | QN          | UN<br>N     |
| Trichloruethylene     | 1/60  | ÛN           | QN           | ON          | QN          | QN          | QN          | QN          | 2<br>0<br>2 | 2 07        | 2          | DN Q        | Q            | QN          | QN          | Q           | NC          | QN.         | QN          | DN<br>N | ŊŊ          | QN          | NC          |
| 1.1-Euchloroethylene  | rgJ   | 74           | 4            | -           | QN          | ŊŨ          | QN          | Q           | 2           | Z OF        | Đ 5.       | 7 2.2       | Q            | QN          | ÛN          | QN          | QN          | QN          | QN          | ŪN<br>N | 0N          | ND          | QN          |
| Vinyl Chloride        | l/6n  | AN           | QN           | QN          | QN          | QN          | QN          | DN          | Z DZ        | Z<br>Q      | N<br>Q     | DN DI       | AN<br>O      | ΝA          | QN          | QN          | QN          | Q           | QN          | QN      | QN          | QN          | QN          |
| Halogenated Methanes  |       |              |              |             |             |             |             |             |             |             |            |             | <u> </u>     |             |             |             |             |             |             |         |             |             |             |
| Carbon Tetrachlonde   | أيلاب | QN           | ΝŪ           | ND          | QN          | QN          | QN          | GN          | N DN        | N<br>Q      | N<br>Q     | DN NC       | DN 0         | QN          | QN          | QN          | QN          | QN          | NC          | NŪ      | 0<br>N      | QN          | QN          |
| Choratorin            | it'n  | ÛN           | QN           | QN          | QN          | Q           | QN          | QN          | Z DN        | 2<br>02     | D<br>N     | DNC         | ON (         | QN          | QN          | QN          | ŊŊ          | ŊŊ          | ND          | QN      | QN          | ΝD          | QN          |
| Methylene Crilonae    | (Gu   | ŪN.          | 0N           | ND          | QN          | QN          | QN          | QN          | 2<br>QN     | N<br>Q      | Z<br>Q     | D NC        | QN (         | ΩN          | QN          | QN          | QN          | ΩN          | DN          | 0 94    | ND          | QN          | NC          |
| Halogenated Ethanes   |       |              |              |             |             |             |             |             |             |             |            |             |              |             |             |             |             |             |             |         |             |             |             |
| 1,1,1-Inchloroethane  | หรือ  | CN           | 70           | -           | QN          | QN          | QN          | QN          | ND ND       | 207         | ID 4       | .7 NC       | QN C         | UN .        | DN          | QN          | 0N<br>N     | QN,         | ÛN          | QN.     | Q           | ÛN          | ND          |
| 1,2-DichoorDethane    | r9/   | ĴZ           | QN           | QN          | QN          | QN          | Q.          | QN          | QN          | 2           | N<br>A     | DN CI       |              | 0N<br>ND    | QN          | QN          | QN          | <u>G</u> N  | QN          | Q       | 0N          | AN          | QN          |
| Aromatic Hydrocarbons |       |              |              |             |             |             |             |             |             |             |            |             |              |             |             |             |             |             |             |         |             |             |             |
| Benzene               | Ng:u  | ŊŊ           | CN           | QN          | ÛN          | QN          | QN          | QN          | 2<br>QN     | A<br>D      | Z<br>V     | DN NC       | Q            | QN          | QN          | QN          | QN          | QN          | QN          | Q       | NC          | ΨN          | Q           |
| Metals                |       |              |              |             |             |             |             |             |             |             |            |             |              |             |             |             |             |             |             |         |             |             |             |
| Atséfuic              | (rgu  | 0N<br>N      | ٩N           | AN          | 6.5J        | QN          | -A          | AN          | V DN        | N N         | N<br>Q     | A N         | ON ND        | ٩N          | ٩N          | QN          | QN          | ٩N          | ٨A          | ND      | ٩N          | 0N<br>N     | ٩N          |
| Eat.ut's              | l'tou | ອີຍົບ        | 9 <u>7</u> 9 | 74.5        | 50          | 70          | 20          | 110         | 68<br>N     | 2 AV        | N<br>N     | AN NA       | 480          | 36.4        | 38          | 40          | 30          | 56          | 61          | 36      | ٩N          | ٩N          | ٩N          |
| Beryikum              | h@u   | 0 55         | 4.8          | 1.4         | QN          | QN          | QN          | QN          | 2<br>QN     | ۷<br>۲۷     | N AI       | IA NE       | DN<br>ND     | ND          | QN          | Q           | QN          | ΩN          | QN          | QN      | ٩N          | AN          | ٧N          |
| Chicanua              | νęυ   | ē1           | 66.1         | 4.4         | -           | 4           | QN          | 16          | V DN        | 7 V         | N AI       | AN NA       | ON /         | 1.6         | QN          | -           | -           | QN          | 44          | ů       | ٩N          | ٩N          | ٩N          |
| Lead                  | 1/6n  | 2Ú           | ÷۳           | ΩŊ          | QN          | QN          | QN          | QN          | VD VD       | 4 V         | N<br>Qj    | AN NA       | QN           | ΩN          | QN          | a           | 0N          | QN          | 1           | QN      | ٩N          | QN          | NA          |
| Nuke                  | ;/6n  | 49           | 84 9         | 73          | m           | S           | 24          | 81          | ND ND       | VA V        | N AL       | AN NA       | ON N         | QN          | QN          | Q           | 2           | QN          | 6Ę          | QN      | AN          | AN          | ٩N          |
| <u>Fluoride</u>       | W0m   | 21640        | ZŨŎŨ         | 1640        | ຍູບຸດ       | 800         | 500 4       | 2600 2      | 700 N       | Z<br>Z      | z<br>⊈     | AN AI       | NG<br>NG     | QN          | 613         | 200         | ÛN          | QN          | 220         | ΝŪ      | NA          | NA          | ٨A          |
|                       |       |              |              |             |             |             |             |             |             |             |            |             |              |             |             |             |             |             |             | i       |             |             |             |

Nî - Non-Detect NA - Nut Ansiyzed Qummen are Not Listed

å -Table E.2. Summary of Selected Groundw

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| s for the To             |                                               |  |
| dwaler Result            |                                               |  |
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|      |     | 20-19dr                              | iəvoN                                   | S S S                               | n<br>NG                                    | ÛN                              | UN NO               |                      | UN<br>ND                         | ŝ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ()N                 | AN                | 4 4 4<br>4 4    | ۲, A           | <      | Ą                                     |                        |
|------|-----|--------------------------------------|-----------------------------------------|-------------------------------------|--------------------------------------------|---------------------------------|---------------------|----------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------|----------------|--------|---------------------------------------|------------------------|
|      |     | ₽0-19dπ                              | Decer                                   | ND<br>ND                            | on<br>No                                   | QN                              | ND<br>ND            |                      | ND NC                            | , in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s | DN D                | AN                |                 | ( y :          | 4<br>A | A h                                   |                        |
|      |     | mber-03                              | Decei                                   | N N N                               | Q<br>NO                                    | ÛN<br>N                         | S S                 | 1                    | NA<br>NA                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Υ.                  | ND<br>ND          |                 |                | ۲.     | A AI                                  |                        |
|      |     | mber-02                              | Dece                                    | a a a                               | QN<br>ND                                   | QN A                            | 2 2                 | Q                    | 202                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                   | AN                |                 | A A            |        | A A                                   |                        |
|      |     | 10                                   | -10N                                    | O N N<br>N N                        | ND                                         | QN N                            | DN ON               | NG                   | ND ND                            | , <sup>1</sup><br>CN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | ND<br>AA          | :<br>:          |                | 2      | 70 1                                  |                        |
|      | 14  | 00-19dm                              | Ðece                                    | QN QN                               | ŊŊ                                         | QN<br>NN                        | â                   | - DN                 | ND                               | , QN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | 44<br>44          | 99              | 2 (j           | -      | 80 1                                  |                        |
|      | MW  | 66-19dms                             | Dece                                    | Q Q Q<br>N N                        | QN                                         | DN<br>ND                        | QN                  | Q                    | ND                               | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     | NA<br>67          | ND I            | 99             |        | Б З                                   |                        |
|      |     | 86-19dme                             | Dec                                     | N N N                               | QN                                         | QN<br>N                         | ÛŅ                  | NC                   | - QN                             | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     | ND<br>40          | 02 -            | 9-             |        | 4 00                                  |                        |
|      |     | 76-тэдтэ                             | NON                                     | Q Q Q                               | 0<br>N                                     | ND ND                           | QN                  | 0N<br>N              | QN                               | Ŋ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     | ND<br>50          | JND -           | - <sup>D</sup> |        | 00                                    |                        |
|      |     | 96-19dm9                             | Ded                                     | Q Q Q                               | QN                                         | QN<br>N                         | Q                   | QN                   | QN                               | Q                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     | NA<br>36.6        | QN<br>ND        |                |        | 160 2                                 |                        |
|      |     | 26-19dm93                            | Ded                                     | DN<br>ND                            | ۲<br>N                                     | QN<br>ND                        | Q2                  | QN                   | QN                               | ÛN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     | NA<br>34.6        | Q Q             | NC             |        | 8                                     |                        |
|      |     | £6-}sup                              | nv                                      | AN ON                               | ž                                          | QN<br>ND                        | C2                  | ÛŊ                   | Q                                | QN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |                   | 9 Q :           | ND             | ;      | AN                                    |                        |
|      |     | со-т9dm9v                            | ٥N                                      | 2.1<br>1.3<br>1800                  | 2<br>N                                     | 17                              | Q<br>Z              | 5 C .                | m<br>m                           | Q                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     | A A               | d d d           | AN             | <      | T N                                   |                        |
|      |     | \$0-19dm93                           | θ                                       | Q Q Q Q                             |                                            | 7                               | N                   | Q I                  | 2                                | QN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     | A N N             | AN NA           | NA             | Ň      | c l                                   |                        |
|      |     | scember-03                           | a                                       | ND 0 0 0                            | 2                                          | 11                              | Š.                  | QN N                 | 2                                | AN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | UD<br>ND            | A N N             | A N C           | AN             | AN     |                                       |                        |
|      |     | ecember-02                           | a                                       | 0 0 4 0<br>N 4 0                    |                                            | QN<br>QN                        | 2 ·                 | QN<br>NO             | 2                                | ŊŊ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AN<br>N             | AN<br>NA          | AN AN           | AN<br>N        | ٩Ň     |                                       |                        |
|      |     | ro-19dm9vo                           | N                                       | 00<br>275<br>00                     |                                            | 20<br>13.9<br>ND                | 2                   | QN N                 | 2                                | QN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NA                  | 011<br>ND         | Q Q             | QN             | QN     |                                       |                        |
| W-13 |     | 00-19dm9390                          |                                         | 00<br>455<br>ND                     |                                            | 23<br>15<br>ND                  |                     | ç r                  |                                  | QN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MA                  | 011<br>ND         | QN QN           | QN             | 440    |                                       |                        |
| S    | ł   | 28-19dm9390                          | 1 2                                     | ND<br>324<br>ND                     |                                            | 23 3<br>2 51<br>0N              |                     | GN<br>5.5            |                                  | CN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AN                  | 011<br>ND         | Q Q             | 60             | QN     |                                       |                        |
|      | 8   | 96-19dm9390                          | QN                                      | 071<br>071<br>00                    |                                            | 9 1<br>8 0<br>ND                |                     | 5.6<br>ND            |                                  | QN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ۲<br>Z              | 001<br>ND         | 2 QN            | 7              | 300    |                                       |                        |
|      | L   | е-тэдтэуоИ                           | 8<br>4                                  | NŬ<br>280<br>ND                     |                                            | 23<br>16<br>ND                  |                     | 00<br>93             |                                  | ÛN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NA                  | 8 Q               | 2 ON            | 7              | 300    |                                       |                        |
|      | 9   | December-9                           | ÷                                       | с <mark>1</mark> 4<br>0 0           |                                            | 37<br>81<br>ND                  |                     | ເອັນ                 |                                  | CN<br>N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AM                  | 00<br>0N          | ON CA           | 2              | 41.9   |                                       |                        |
|      | St  | December-9                           | QN                                      | 01<br>930<br>NA                     |                                            | 28<br>ND<br>ND                  |                     | QN<br>NN             |                                  | 0N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AN                  | - 92<br>- 72      |                 |                | Z      |                                       |                        |
|      | £6- | September                            | AN<br>NA                                | 2 ê 2                               |                                            | ≈ 9 <u>≶</u>                    |                     | î ĝ                  |                                  | C<br>Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NA.                 | 25 û              | o c<br>V        | (              | 3      |                                       |                        |
|      |     | Units                                | hipu                                    | ريا<br>اريا                         |                                            | vộn<br>Vộn                      |                     | да<br>P              | Ţ                                | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | yes.                | in de la          | , le la         | , <u>;</u>     | -      |                                       |                        |
|      |     | Sample dates<br>Halogenated Alternor | Tetrachibroethytene<br>Histoproetroiene | 1.1-Dichercentyleau<br>Vurgi Theode | Halogenated Methanes<br>Carbon Terrorboote | Chinatofram<br>Methylene Chunae | Halogenated Ethanes | 1.2.8° Táoráetti mie | Aromatic Hydrocarbons<br>Beuzene | Metals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ausetia.<br>Bau int | Beryaum<br>பெள்ளை | Levis<br>Nickei | Fluoride       |        | NP - Nún-Detect<br>NA - Not Attaivzed | Quádrers orê Nutrosteu |

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Table E-2. Summary of Selected Groundwater Results for the Top of Rock Wells, Owens Corning, Anderson, South Carolina.

|      | 20-19dm9v0                                                   | ND - ND - N                                                                                     | 16                                                                                  | an Quin                                 | ND             | A N N A N N N N N N N N N N N N N N N N                                          | A A<br>N                      |
|------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|----------------|----------------------------------------------------------------------------------|-------------------------------|
|      | scember-04                                                   |                                                                                                 | 5 9<br>20                                                                           | ND ND                                   | GN             | NA<br>NA<br>NA<br>NA                                                             | AN AN                         |
|      | есешрет-03                                                   | N N N N N                                                                                       | QN DN                                                                               | ND                                      | AN             | D N N N N N N N N N N N N N N N N N N N                                          | NA<br>NA                      |
|      | ecember-02                                                   | a du du du du                                                                                   | 9£<br>9£                                                                            | ND ND                                   | ÛN             | NA<br>NA<br>NA                                                                   | NA NA                         |
|      | £0-vo                                                        | 5<br>25<br>126<br>ND                                                                            | 37.7<br>26.7<br>ND                                                                  | NU<br>7.6                               | QN             | ND<br>ND<br>ND<br>ND                                                             | ND ND                         |
|      | ecemper-00                                                   | S S S S S                                                                                       | 35.7<br>293<br>ND                                                                   | ND<br>8                                 | ŊŊ             | N N N N N N N N N N N N N N N N N N N                                            | 010                           |
|      | Secember-99                                                  | ND<br>74.4<br>ND                                                                                | 22.6<br>26.9<br>ND                                                                  | QN<br>N                                 | ND             | ND<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00 | 600                           |
|      | December-98                                                  | ÛN ÛN ÛN                                                                                        | CN<br>6 9<br>ND                                                                     | Q Q<br>N                                | ND             | N 4 0 V 4 0 V                                                                    | J GN                          |
|      | ∑€-ı∍dm∍voN                                                  |                                                                                                 | DN - DN                                                                             | QN<br>N                                 | ÛN             | ND ND NA                                                                         | 00                            |
|      | December-96                                                  | ND<br>DN<br>D1<br>DN<br>DN<br>DN                                                                | m 6 N                                                                               | Q Q<br>N                                | ÛN             | NA<br>420<br>5 9<br>2 3<br>5 6                                                   | 53.9                          |
|      | Decemper-95                                                  | m dv<br>ND                                                                                      | QN<br>QN                                                                            | N N N                                   | ŊŊ             | NA<br>ND<br>ND<br>38<br>38                                                       | QN                            |
| -    | September-93                                                 | N D<br>0 0<br>0 0<br>0 0<br>0 0                                                                 | 1 6<br>17<br>ND                                                                     | ND D                                    | ÛN             | NA<br>98<br>00<br>01<br>1.5<br>15                                                | QN                            |
|      | November-05                                                  | QN QN QN                                                                                        | an an an                                                                            | QN QN                                   | Q              | A N N N N N A A A A A A A A A A A A A A                                          | 4N                            |
|      | December-04                                                  | DN ND<br>A B DN<br>DN B DN                                                                      | ON<br>N N                                                                           | 4.9<br>ND                               | QN             | A N N A A A A A A A A A A A A A A A A A                                          | NA                            |
|      | Decemper-03                                                  | O O O O<br>N N N N                                                                              |                                                                                     | N<br>NA<br>NA                           | AN             | ND<br>NA<br>ND<br>NA<br>NA                                                       | MA                            |
|      | Decemper-02                                                  |                                                                                                 | QN<br>QN<br>QN                                                                      | QN                                      | QN             | N N N N N N N N N N N N N N N N N N N                                            | NA                            |
|      | 10-тө <b>дтө</b> voИ                                         |                                                                                                 | DN<br>NN<br>NN                                                                      | ON<br>N                                 | Q.             | ON<br>ON<br>ON<br>ON<br>ON<br>ON                                                 | N0                            |
| N-17 | December-00                                                  | an an an                                                                                        | QN<br>NN                                                                            |                                         | QN             | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND                                     | 18.0                          |
| Ñ    | December-99                                                  | Q Q Q Q<br>N N N N<br>N N N                                                                     | QN<br>QN                                                                            | ON<br>ON                                | QN             | ND<br>260<br>ND<br>ND<br>ND                                                      | QN                            |
|      | December-98                                                  | ND<br>ND<br>ND<br>ND                                                                            | QN<br>N<br>N<br>N                                                                   | ON<br>N                                 | QN             | DN DN DN DN DN DN DN DN DN DN DN DN DN D                                         | QN                            |
|      | 79-19dm9voN                                                  | ON<br>ON<br>ON<br>ON                                                                            | ON ON                                                                               | ND<br>ND                                | ND             | GN<br>001<br>100<br>01<br>01<br>01<br>01<br>01<br>01                             | 200                           |
|      | December-96                                                  | N N N N                                                                                         | N N N                                                                               | QN<br>N                                 | QN             | NA<br>760<br>86<br>ND<br>ND                                                      | 36                            |
|      | December-95                                                  | ND<br>ND<br>NA                                                                                  | Q Q Q<br>N N                                                                        | QN<br>ND                                | 0.M            | NN<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>2           | 92                            |
|      | September-93                                                 | A D D A                                                                                         | ON ON                                                                               | QC ND                                   | νn             | 80 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                         | ΝŪ                            |
|      | Units                                                        | 100 200 200 200 200 200 200 200 200 200                                                         | Mg v<br>Ng v                                                                        | hộu<br>hộu                              |                |                                                                                  | nų.                           |
|      | Sample dates<br>Halogenated Alkenes<br>Teiradukururtisylenis | Trich direethydene<br>1.1-1-1000 direethyjjene<br>Verys Chriende<br><b>Halogenated Methanes</b> | enter Terrachionde<br>Chlorotom<br>Methykene Chloride<br><b>Helogenated Ethanes</b> | 1.1.1.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4 | Metals<br>Arse | Baus<br>Berganuan<br>Chucas gan<br>Leau<br>Nachol<br><b>Huoride</b>              | Ni Nun-Détect<br>MA Nun Annua |

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Table E-2. Summary of Selected Groundwater Results for the Top of Rock Wells, Owens Corning. Anderson, South Carolina.

|                                                                                         |                           | ,                               |                      |                 |             |                | MM          | 12-1                 |                       |                |                         |                      |                |                        |                            |                  |                                       |                                                              | MW-2                                                                                        | 4                          |                          |                                       |                             |              |
|-----------------------------------------------------------------------------------------|---------------------------|---------------------------------|----------------------|-----------------|-------------|----------------|-------------|----------------------|-----------------------|----------------|-------------------------|----------------------|----------------|------------------------|----------------------------|------------------|---------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------|--------------------------|---------------------------------------|-----------------------------|--------------|
| Sample dates<br>Halogenated Alkenes                                                     | Units                     | £8-JsuguA                       | 26-19dm939D          | December-96     | 79-19dm9voN | December-98    | December-99 | December-00          | 10-19dm9voN           | Decemper-02    | Decemper-03             | December-04          | 20-19dm9voN    | September-93           | 26-төфтөрөО                | December-96      | 79-19dm9voN                           | 8e∿tedmece8                                                  | December-99                                                                                 | 00-19dm929Q                | 10-70N                   | December-02                           | December-03                 | Pecember-04  |
| Fettachioroaethyiana<br>Histocroaethyiana<br>1, 1-Eschloroaethyiana<br>Viryi C, h. mide | ເຊຍ<br>ເຊຍ<br>ເຊີ້ມ ເຊິ່ງ | A C C A C<br>N N N N<br>N N N N | ND<br>NN<br>NN<br>NN |                 |             | Q Q Q Q        |             |                      |                       |                | 0<br>N 0<br>N 0<br>N 0  | QN<br>QN<br>QN<br>QN |                | NA<br>100<br>123<br>NA | ND<br>ND<br>ND<br>ND<br>ND | - 00<br>VD<br>ND |                                       | ND 1<br>ND 1<br>ND 1<br>ND 1<br>ND 1<br>ND 1<br>ND 1<br>ND 1 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | ND<br>ND<br>ND<br>ND<br>ND | 0N 4-0<br>0 7-4-0<br>0 0 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 3399                        | 99-9         |
| <u>Halogenated Methanes</u><br>Carbon Terrachlonde<br>Obsontison<br>Methylene Chilonde  | 5<br>5<br>5<br>5          | Q Q Q<br>V V V                  | QN QN                | Q Q Q           | CN CN       | ON ON          | ON ON       | 02 0<br>20 0<br>20 0 | <u>0</u> 0 0          | QN<br>QN       | ND 12<br>ND 12          | Q Q Q                |                | 4 6<br>1 2<br>ND       | 9 12 e                     | 2 4 Q            | 55 2                                  | 37 P.<br>21 P.                                               | - 0A<br>- 27:9<br>- 4                                                                       | ¥ 2 د<br>د 1 د<br>د 2      | 9<br>2<br>2<br>2<br>2    | Z 9 1                                 | 399                         | 9            |
| Halogenated Ethanes<br>1, J. J. Hruthloroethane<br>1, Z. Picchiloroethane               | ក្រហ<br>ពីរូបូប           | Q QN                            | QN<br>QN             | QN<br>N         | QN<br>QN    | ON<br>ND       | GN QN       | a a                  | QN<br>N               | Q Q<br>N       | DN<br>NA                | Q Q                  | Q Q            | 4 -                    |                            |                  |                                       | ,dì dì<br>≺ S                                                | ୁ କ<br>କୁ କୁ                                                                                | 4 4                        | 3 4<br>3 4               | a g                                   |                             | 4 Q          |
| <mark>Aromatic Hydrocarbons</mark><br>Benizene                                          | 1/En                      | ŝ                               | QN                   | QN              | NC          | CN<br>V        | Q           | GN .                 | QN                    | QN             | AN                      | QN                   | ÖN<br>N        | QN                     | C QN                       | 9                | Ģ                                     | z<br>Q                                                       | 2<br>0,                                                                                     | , v<br>                    | ×<br>م                   | e,                                    | 2                           | 3            |
| <u>Metals</u><br>Arsenic                                                                | ţġŋ                       | UN .                            | M.A.                 | ¢<br>Z          | 2           | Ca             |             |                      |                       |                |                         |                      |                |                        |                            |                  |                                       |                                                              |                                                                                             |                            |                          |                                       |                             |              |
| Karaan<br>Beryth an<br>Cer                                                              | 6<br>6<br>9               | 1240<br>3-3-3                   | 661<br>2 2           | 1 3<br>1 3      | DN DN DN    | 00 JN<br>00 JN | A DE ON     | ND<br>250<br>ND      | 8 2<br>ND 82<br>ND 82 | 4 7 4<br>7 7 7 | QN A A                  | A N N<br>A N N       | A N A<br>A A A | AN 001                 | NA P<br>162 5<br>V0        | A 02 0           | <ul><li>4 1 2</li><li>4 6 0</li></ul> | 40<br>40<br>7 7 7                                            | 4 A A A A A A A A A A A A A A A A A A A                                                     | ¥ 1<br>9 09 4              | 4 9 9                    | 4 4                                   | 2 Z :                       | < < <        |
| Lead<br>Nicket                                                                          | hija<br>Ngu<br>Ngu        | 2 2 QX                          | 4<br>317<br>54       | 28<br>6.7<br>ND | - QN        | - QN QN        | 02 Q Q      | ND 8 0               | 0 0 0<br>N 0          | 4 7 7<br>7 7 2 | A N N<br>N N N<br>N N N | A A A A              | A A A A A      | 9 9 9 9<br>9 9         |                            | , <u> </u>       | , 2<br>, 2<br>, 2<br>, 2              | < Z Z Ż                                                      | < z z ż<br>; c, c, c, c                                                                     | è è ë ë<br>∼ < z z         |                          | 4 4 4 4                               | <i>य य य य य</i><br>ब ब ब ब | <b>বিব</b> ৰ |
| Fluoride                                                                                | <u>p</u> to               | AN<br>NA                        | ĴŊ                   | 41.9            | 100         | Q              | QN          | 160                  | QN                    | NA             | NA                      | NA I                 | - A            | <u>g</u>               | ND 40                      | 35 2             | N<br>00                               | N<br>Q                                                       | N<br>Q                                                                                      | N<br>Q                     | z                        | 2                                     | : Z                         | : 4          |

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Table E-2. Summary of Selected Groundwater Results for the Top of Rock Wells, Owens Corning, Anderson, South Carolina.

|                                                                                            |                    |                                               |                      |                |                      |             | MM          | 1-25        |                      |             |                     |             |             |                      |                                       |             |                   |             | MW 2        | 9             |                      |                      |             |              |               |
|--------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------|----------------------|----------------|----------------------|-------------|-------------|-------------|----------------------|-------------|---------------------|-------------|-------------|----------------------|---------------------------------------|-------------|-------------------|-------------|-------------|---------------|----------------------|----------------------|-------------|--------------|---------------|
| Sample dates<br>Halogenated Alkenes                                                        | Unit               | E6-JsupuA                                     | 2eredmesed           | December-96    | 79-19dm9voM          | Ber-ədməəəQ | December-99 | December-00 | r0-тэdтэvoN          | December-02 | December-03         | Pecemper√04 | Vovember-05 | £6-J2UQUA            | 26-19dm9390                           | December-96 | 7e-redmevoN       | 8e-ıədməsəQ | December-99 | UU-190mber-00 | 10-190m9vov          | 20-19009390          | k0-radmarad | 20.404movel4 | CO. 12010240N |
| Tetrachanoetnylene<br>Institutoetnylene<br>1, Tetrahöröethylene<br>Very Grannoethylene     | 555<br>6555        | N N N N<br>N N N N<br>N N N N N N N N N N N N | 02 G<br>22 G<br>22 G | N N N<br>N N N | Q Q Q Q Q<br>Z Z Z Z |             |             |             | QN QN QN             |             | QN<br>QN<br>N<br>QN | Q C Q Q     |             | ND A<br>ND A<br>ND A | N N N N N N N N N N N N N N N N N N N |             | Q N Q Q           |             |             | 2222<br>99999 | 2 Z Z Z<br>G G G G G | 2 Z Z Z<br>3 G G G G | 2222        | 2222         | 0000          |
| <u>Halogenated Methanes</u><br>Carb in Letrachtonoe<br>CFloyestorm<br>Micitiyiene Chisinde | ទី(ស<br>ទី(ឆ)      | ON<br>ON<br>ON                                | Q Q 2                | QN QN          | ON NO<br>ND          | Q Q Q       |             |             | ND<br>DN<br>DN<br>DV | QN QN       | o a a               |             | QN QN QN    | N N N                | Q Q Q<br>N N                          |             |                   |             | g g g       |               | 222<br>0.33          | ada                  | ZZZ         | 222          | 000           |
| <mark>Halogenated Ethanes</mark><br>1.7.1-Andrikoroethane<br>1.2.4Picinoroethane           | ကိုး<br>ကိုး       | ž ž                                           |                      | CN<br>CN       | Q Q<br>N N           | Q2 Q2       | DN<br>ND    | DN<br>ND    | DN ND                | ON<br>N     | DN<br>N             | D C         | n ng<br>Ng  | Q<br>N<br>N          |                                       |             | Q Q               | 9. 9        | z z<br>g g  | 2 2<br>0 0    |                      | 22                   | N N<br>N N  | z z          | م م           |
| <u>Aromatic Hydrocarbons</u><br>Benzene<br>Maraic                                          | rföra              | ŝ                                             | QN                   | ÛN             | QN                   | QN          | C)<br>N     | QN          | QN                   | QN .        | NA                  | ŊŊ          | ON          | Q                    | NŪ                                    | , QN        | QN                | Q,          | z<br>Q      | <i>z</i>      | . vi                 | ż<br>o               | N<br>N      | Z            | 0             |
| Arstna.                                                                                    | الم                | CN<br>N                                       | NN                   | ΨN             | ΝŨ                   | ΩN          | ٩N          | A<br>N      | QN                   | NA          | QN                  | ΨŅ          | ΑM          | ΨN                   | ΔN                                    | A M         | ΦN                | 4<br>4      | N<br>21     | 2             | ¢                    | 4                    | 213         | 2            | <             |
| ៩៨៥ - ៤<br>៩៥៥-១៩០                                                                         | taga<br>taga       | (1)<br>(1)<br>(1)                             | 511<br>511           | 100            | 80<br>1              | Q9<br>Q9    | 76          | 110         | 011                  | AN          | AN                  | ΨN          | NA<br>N     | 1100                 | 780 1                                 | 000         | е<br>900-<br>900- | 40 6        | 80 12 V     | 4 69<br>00    | 23                   | 2 Z                  | 2<br>2<br>2 | 22           | र ज           |
| e st                                                                                       | 1 J                | τ                                             | 2 2                  | CN<br>CN       | 2 -                  | 2 -         | ON CN       | CP CR       | ND ND                | AN<br>AN    | NA NA               | A S         | AN .        | 2.9                  | 27                                    | 2.3         | ריי הי            | ~           | 2<br>0      | 2<br>0        | N O                  | Z<br>⊲               | A NA        | 2            | đ             |
| Leon                                                                                       | 1 <sup>-1</sup> -1 | 67                                            | 0.4                  | 051            | NO                   | QN          | QN          | QN          | 2 2                  | ( 4<br>2    | \$ =                | 4 A<br>2 A  | 4 4<br>2 2  | 10                   | 23.55<br>5 5 7 1                      | 1.47<br>2 2 | 3,5               | 9 c         | 2           | ය -<br>සු ,   | 2 :<br>- •           | Ż ż                  | 2           | 2 2          | <i>с</i> .    |
| 2                                                                                          | λ(r)               | ž                                             | *                    | 36.1           | ~1                   | 2           | ÛN          | QN          | QN                   | ΨN          | ٩N                  | ΨN          | ΨN          | 47                   | 67.2                                  | 515         | 3                 | 2 03        | v ₩<br>v ₩  | - 0<br>- 02   | žž                   | Z Ż                  | NV<br>V     | 22           | र न           |
| Fluoride                                                                                   | يۇ.<br>م           | A.A                                           | 52                   | Ч0             | 160                  | QN          | QN          | 9           | QN                   | NA          | NA                  | 4N          | ٩N          | ٩N                   | 150                                   | 140         | 1 00              | 4 00        | Z<br>O      | 0 10          | 2<br>Q               | ν<br>ν               | AN V        | Ē            | 7             |

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Table E-2. Summary of Selected Groundwater Results for the Top of Rock Wells, Owens Corning. Anderson, South Carolina.

|                                                                                         |                       |                    |                                                                    | TW-42          |              |                  |                      |                  | 1 45        |             |                |
|-----------------------------------------------------------------------------------------|-----------------------|--------------------|--------------------------------------------------------------------|----------------|--------------|------------------|----------------------|------------------|-------------|-------------|----------------|
| Sample dates<br>Halogenated Alkenes                                                     | Units                 | December-02        | December-03                                                        | December-04    | Yovember-05  | r0-19do220       | r0-19dm9vaN          | December-02      | Decemper-03 | December-04 | 20-ı∍dmэvoN    |
| Tetra Atloroetryjene<br>Trich sissettyjene<br>1,1-1 (sfrist outryjene<br>Vinyi Cirkande | Nça<br>Taşır<br>Taşır | 0 0 0 1<br>2 0 0 2 | 19 0<br>20 1<br>20 1<br>20 1<br>20 1<br>20 1<br>20 1<br>20 1<br>20 | QN<br>QN<br>QN |              | Q Q 9 Q          | ND<br>ND<br>ND<br>ND | 0 0 0 0<br>0 0 0 | Q Q Q Q     | 9 9 9 9 9   | QN QN QN       |
| <u>Halogenated Methanes</u><br>Gatoon Tetracinkerde<br>Chiorotoan<br>Methyene Chioroto  | -6a<br>6a             | 5 G 2              | ND<br>36<br>ND                                                     | QN<br>NN       | 0 Q Q<br>0 N | 21<br>406<br>2.3 | 1.6<br>51<br>ND      | 00<br>ND         | 0 S S U     | ND 26       | ND<br>34<br>ND |
| <u>Halogenated Ethanes</u><br>1,1,1-Truchloroethane<br>1,2- uichloroethane              | liçin<br>Kçin         | Ç Ç<br>V           | ÛN<br>ÛN                                                           | QN<br>N        | QN<br>QN     | Q Q              | ND<br>ND             | ND ND            | DN<br>N     | QN QN       | ON .           |
| <u>Aromatic Hydrocarbons</u><br>Beinzene                                                | ň                     | ź                  | 22                                                                 | QN)            | QN           | CN<br>N          | Q                    | G.               | AN          | QN          | QN             |
| <u>Metals</u><br>Arsund                                                                 | μ¢η                   | VN                 | ez<br>Z                                                            | AI1            | 0<br>2       | 4                |                      |                  |             |             |                |
| ងិថិមុនស<br>ភិគមិសារ (ភ្នំ)                                                             |                       | <b>N</b> N         | ΨN                                                                 | AN             | AN           | 17               | NA                   | AN<br>AN         | NA          | A N<br>A    | AN<br>AN       |
| Chean an                                                                                | je i                  | 4 4<br>2 2         | ΥN<br>ΥN                                                           | AN<br>N        | AN           | QN               | . AN                 | ΝA               | AN          | NA.         | AN             |
| Lé.ed                                                                                   |                       | N M                | 1 2                                                                | AN 1           | ₹<br>Z       | Q I              | ΑN                   | ΨN               | ΔN          | ΝA          | AN             |
| No. kust                                                                                |                       | NA<br>NA           | AN<br>AN                                                           | AN<br>AN       | a a<br>Z Z   | Q Q              | AN<br>AA             | ₹<br>Z Z         | Q A<br>N N  | A N<br>A    | AN<br>N        |
| Fluoride                                                                                | hç.                   | ΡV                 | 44                                                                 | AN             | AN           | QN               | AN                   | NA               | NA          | AN N        | e v            |

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|                                        | Owens Corning Act                | and south Carolina. |
|----------------------------------------|----------------------------------|---------------------|
| Table E-3. Summary of Selected Gronned | water Results for Bedrock Wells, |                     |

|     | 50                  | -19dm9v(                                                       | N ĝ                                                  | 00 44 ON                                                           | r je                                 | 2 <u>2</u> 2                            |                       | a -         | ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                        | _              |          |                                         |                   |
|-----|---------------------|----------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------|-----------------------------------------|-----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------|----------|-----------------------------------------|-------------------|
|     | Þ0                  | ecember-                                                       |                                                      | ੇ ਲੈ ਦੇ<br>                                                        | ۔<br>م                               | <br>                                    | 12 - 2                | 2 -         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                          | AN<br>AN       | NA<br>NA | NA                                      | NA                |
|     | 50                  | 120111222                                                      |                                                      | - 27 -                                                             | Z                                    | ZZ                                      |                       | 2 2 2       | N.C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          | NA             | AN<br>NA | NA                                      | NA                |
|     | 20                  | **400938                                                       |                                                      | A S                                                                | DN<br>DN                             | 0N<br>N                                 | J.V.                  | AN          | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ON N                                     | AN<br>NA       | AN<br>ND | AN                                      | NA                |
|     | -05                 | рөдшөрөс                                                       | n n n                                                | 360<br>ND                                                          | QN                                   | QN<br>N                                 | . GN                  | QN          | ON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A M                                      | N N N          | NA<br>NA | NA                                      | A A               |
|     |                     | 10-vov                                                         | NC<br>NC                                             | 322<br>ND                                                          | ON                                   | 6.9<br>ND                               | ÛN                    | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ÛN                                       | 78<br>UN       | 99       | 0                                       | 5                 |
|     | × 15<br>15          | Decembe                                                        | ND ND                                                | 354<br>ND                                                          | QN                                   | 8 Q                                     |                       | QN          | ĜN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A.A                                      | 8 9 9<br>      |          | 2                                       | _                 |
|     | <b>∑</b><br>66-46   | Decembe                                                        | N N                                                  | 230<br>ND                                                          | QN<br>ND                             | - 0 <u>2</u>                            | QN                    | C)<br>N     | ę.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <br>                                     | 22             |          | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |                   |
|     | 86-19               | Decemb                                                         | UN<br>ND                                             | ND 01                                                              | QN                                   | P Q                                     | QN                    | 9           | Q,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ~                                        | ~ <i>Z Z</i>   | · Z ·    | i                                       | NU                |
|     | 79-190              | лоует                                                          | 7.3<br>ND                                            | GN<br>QN                                                           | DN<br>ND                             | 9                                       |                       | Ś           | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                          | ~ Z ~          | N ~      | •                                       | 300               |
|     | 96-J9C              | Decemt                                                         | 2                                                    | GN                                                                 | 07 FQ                                | g .                                     |                       |             | z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ž Ž                                      | ~ 2 ~          | ON -     | 1                                       | <u>8</u>          |
|     | 26-19d              | Decem                                                          | 0 9 8<br>0 9 8                                       | Ą                                                                  | 20                                   | 2                                       | . z .                 |             | ž                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | N 25                                     | ÛN<br>ÛN       | QN<br>QN | 0.40                                    | 140               |
|     | £6-1                | sn6n∀                                                          | DI A S                                               | 4                                                                  | < z                                  | z                                       | N N                   |             | QN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S.E<br>UD                                | ND<br>1 2      | ND 1.9   | 081                                     | 37                |
| ŀ   | uper-02             | UƏAON                                                          | 004                                                  |                                                                    | Z 2                                  | Ż                                       |                       |             | Q                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100                                      | - 9 :          | e g      | ٨N                                      |                   |
|     | b0-1201             |                                                                | 222                                                  | Z                                                                  | ND                                   |                                         | 2.8<br>ND             |             | QN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AN<br>AN                                 | AN<br>NA       | AN<br>AN | ΨN                                      | 1                 |
|     | 20 20qu             | Decer                                                          |                                                      | QN                                                                 | QN QN                                |                                         | 2.6<br>ND             |             | QN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NA<br>NA                                 | AN<br>AN       | NA<br>N  | MA                                      |                   |
|     | F0-19UN             | Decei                                                          | 9 9 9 1                                              | 2                                                                  | CN<br>QN<br>QN                       | 2                                       | 0N<br>N               |             | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | QN N                                     | AN QU          | AN       | AN<br>NA                                |                   |
|     | mber-02             | Dece                                                           | Q Q Q Q                                              |                                                                    | Q Q Q                                | 1                                       | ON<br>ND              |             | QN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AN AN                                    | A N A N        | NA<br>NA | Ę                                       |                   |
|     | t0-19dm9            | NON S                                                          |                                                      | 2                                                                  | QN QN                                |                                         | QN<br>N               |             | 0N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | . 0N<br>37 .<br>MD                       | 99             | 9        | 9                                       |                   |
| 9-M | 00-19 <b>d</b> m9   | oad 2                                                          |                                                      |                                                                    | Q Q Q                                |                                         | QN<br>ND              | C:V         | Ş                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4 9 9                                    | - 2            | <u>م</u> | 4                                       |                   |
| NW  | 66-วอตุบวอ          | Ded 5                                                          | Q Q Q                                                |                                                                    | ON ON                                |                                         | Q Q                   | 9           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4 ~ 0                                    | - Z            | ž        | 57                                      |                   |
|     | 86-төдтөэ           | ed S                                                           | QN<br>NN                                             | NC                                                                 | ON<br>ON                             | ļ                                       | 99                    | Ģ           | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 292<br>200                               | 22             | Ž        | z                                       |                   |
|     | 76-төдтөү           | DN 7                                                           | ON<br>DN<br>DN                                       | ÛV                                                                 | 99                                   | c                                       | 19                    | <<br>c      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ZĄŽ                                      | ~ 2 ^          |          | 5                                       |                   |
|     | 96-19 <b>q</b> məsə | e e                                                            | ND<br>ND<br>ND                                       | 0                                                                  | G G                                  | a<br>G                                  | <br>                  | 2           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N 4 N                                    | ∼ Q ~          |          | 10                                      |                   |
|     | Se-19dm939          | a 9 ;                                                          | ₹                                                    | -<br>-                                                             | 5 G G                                | 2                                       | : Z                   | 22          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | an an an an an an an an an an an an an a | 4 7 GN<br>ND 7 | 120      |                                         |                   |
|     | 60-19dm91q9         | s = s                                                          | <br>[ C. <                                           | 2                                                                  | 22                                   | ਚੱ                                      | ЧU                    | NC          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.05<br>1.05<br>1.02                     | 2.1            | ÑN       |                                         |                   |
|     |                     |                                                                | ~ <i>~ ~</i> ~                                       | 2                                                                  | 22                                   | <br>S                                   | 2                     | Q.          | Ç.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | \$ <u>2</u> 2                            | 2 9<br>2       | Ň        |                                         |                   |
|     | Š                   | ु दु व                                                         | ੇ ਤੋਂ ਤੋਂ<br>                                        | ýốn                                                                | 1260<br>1760                         | rg.                                     | λÇn                   | Ven         | in a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco | ngu ngu                                  | vfo            |          |                                         |                   |
|     | Parameter           | Tetraconated Alkenes<br>Tetrachiorowthylene<br>Thomoroethylene | ا، ۲-Dicher ، بوظم پنجمیو<br>Vidyi L Hástruly<br>L L | <u>Lerugenated Methanes</u><br>Carbon Tetruchlorene<br>Uhlorotoren | Methylene Culcude<br>Haloneored rate | 1.1.1-Inchiveethane<br>1.2-Exchinements | Aromatic Hydrocarbons | มิติกรีอกซ์ | <u>Metals</u><br>Arsenic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | eatonn<br>Beryhuar<br>Chronsuga          | Nickei         | Fluoride | NO - Neu-Origet                         | NA - Net Anulyzeu |

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Table E-3. Summary of Selected Groundwater Results for Bedrock Wells, Owens Corning. Anderson, South Carolina.

|       | 20-төdтөvо                                               | N 10 20                                                                                                         | ND<br>2 G                                                 | e de                                                             | 6 Z ON                                                    | A A A A A A A A A A A A A A A A A A A                                                                      | NA<br>NA                                     |
|-------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|
|       | 40-19dm939                                               | ND 25                                                                                                           | 00<br>4.4<br>00                                           | 3N<br>2                                                          | 2 2                                                       | N N N N N N N N N N N N N N N N N N N                                                                      | NA<br>NA                                     |
|       | ecember-03                                               | 00 00<br>ND 00<br>ND 00                                                                                         | NC NC                                                     |                                                                  | AM AN                                                     | N N N N N N N N N N N N N N N N N N N                                                                      | NA                                           |
|       | 20-төфтөээө                                              | ND 00<br>240<br>ND 00                                                                                           | DN DN<br>NN NN                                            | Û.                                                               | QN                                                        | A N N A A A A A A A A A A A A A A A A A                                                                    | K K                                          |
|       | 10-VOV                                                   | 4.6<br>2.3<br>256<br>ND                                                                                         | 00<br>ND<br>ND                                            | NO S                                                             | NC                                                        | AN<br>ON DO<br>NUN SW                                                                                      | 140                                          |
| 4.19  | December-00                                              | - 0<br>2<br>2<br>2<br>2<br>2<br>2<br>0                                                                          | oz n oz                                                   | 0 S<br>2 S<br>2 S                                                | Q                                                         | AN DO DO GN<br>DN DO DO GN                                                                                 | 300                                          |
| MM    | December-99                                              | 0N<br>0N<br>279<br>0N<br>ND                                                                                     | 00<br>8 9<br>8 0                                          | 0 -<br>2 5                                                       | a<br>z                                                    | N N N N N N                                                                                                | 02                                           |
|       | 8e-19dm9390                                              | DN ND<br>ND ND<br>ND ND                                                                                         | Q N<br>N N<br>N                                           | CN QN                                                            | 17                                                        | N M N M N M N M N M N M N M N M N M N M                                                                    | 200                                          |
|       | 79-19dm9voN                                              | 0N<br>0N<br>081<br>081<br>081                                                                                   | ND<br>5 2<br>ND                                           | N()<br>9                                                         | é                                                         | NA<br>30<br>ND<br>2<br>2<br>2                                                                              | 300                                          |
|       | December-96                                              | 3<br>270<br>ND                                                                                                  | ND - ND                                                   | e ND                                                             | QN                                                        | ND ZO.S<br>ND ND ND ND ND ND ND ND ND ND ND ND ND N                                                        | 180                                          |
|       | December-95                                              | ND<br>ND<br>NA                                                                                                  | A A A                                                     | QN QN                                                            | QN                                                        | NA<br>40.4<br>ND<br>2.5<br>ND                                                                              | 170                                          |
|       | 5e-19dm9fq92                                             | ND<br>NA<br>NA<br>NA                                                                                            | QN QN<br>NN NN                                            | QN<br>ND                                                         | ÛN                                                        | - NA<br>3200<br>36<br>7.8<br>119<br>ND                                                                     | 450                                          |
|       | November-05                                              | 2 2 2 2 2                                                                                                       |                                                           | ND<br>ND                                                         | Q                                                         | N N N N N N N N N N N N N N N N N N N                                                                      | NA                                           |
|       | December-04                                              | QN QN QN                                                                                                        | QN<br>QN<br>QN                                            | a a<br>v                                                         | QN                                                        | A N N N N N N N N N N N N N N N N N N N                                                                    | NA<br>NA                                     |
|       | December-03                                              |                                                                                                                 | A A A                                                     | ND                                                               | ΨN                                                        | N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N                | AN                                           |
|       | December-02                                              | QN<br>QN<br>QN<br>QN                                                                                            | QN QN                                                     | QN<br>N                                                          | , QN                                                      | AN<br>AN<br>AN<br>AN<br>AN<br>AN<br>AN                                                                     | Y Z                                          |
|       | ro-sedmevoN                                              |                                                                                                                 | QN<br>QN<br>QN                                            | N N N                                                            | ,<br>Q                                                    | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>N                            | 210                                          |
| 1W-16 | December-00                                              |                                                                                                                 | QN<br>NN                                                  | ON ON                                                            | QN                                                        | 2 N 2 N 5 N<br>2 N 2 N 5                                                                                   | 210                                          |
| 2     | December-99                                              | C C C C C C C C C C C C C C C C C C C                                                                           | 92 Q2 Q2                                                  | QN<br>N                                                          | QN                                                        | NA<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND                                                                     | 170                                          |
|       | December-98                                              |                                                                                                                 | ON ON                                                     | QN                                                               | QN                                                        | мр<br>50<br>мр +                                                                                           | 250                                          |
|       | ∑6-1∋dm9voN                                              | 9 9 9 9<br>8 9 9                                                                                                | ON<br>ND<br>ND                                            | CN<br>QN                                                         | N.                                                        | 0 0 0 m - 2                                                                                                | 200                                          |
|       | December-96                                              | NO QU<br>NO NO                                                                                                  | ON<br>NG<br>NG                                            | ÛN<br>ÎN                                                         | C<br>2                                                    |                                                                                                            |                                              |
|       | December-95                                              |                                                                                                                 | GN<br>JN<br>AN                                            | NU<br>NU                                                         | 00<br>N                                                   | - 6 - 7 - 7 - 9<br>- 6 - 7 - 7 - 9<br>- 6 - 7 - 7 - 7 - 9<br>- 7 - 7 - 7 - 7<br>- 7 - 7 - 7<br>- 7 - 7 - 7 | <u>0</u> 2                                   |
|       |                                                          | A A A A<br>A A A A<br>A A A A A<br>A A A A A A A                                                                |                                                           | Э́г й                                                            |                                                           | 17.4<br>15:6<br>2.5<br>2.1<br>2.1<br>2.1<br>2.1<br>2.1<br>2.1<br>2.1<br>2.1<br>2.1<br>2.1                  | чN                                           |
|       | Cuit                                                     | 2<br>2<br>2<br>2<br>2<br>3<br>2<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5                | 769                                                       | <i>չ/</i> նո                                                     |                                                           | 200 A 200                                                                                                  | 2000)<br>2000                                |
|       | Parameter<br>Halogenated <u>Alkenes</u><br>Tritanbrasser | Ticthiuroettyrene<br>Ticthiuroettyrene<br>1.3-0.01000-ethylene<br>Virgi Uniorofe<br><b>Halogenated Methanes</b> | viarbon Terraenlonde<br>Uhlandronenn<br>Methylene uppling | 1.2-Enclusion<br>1.2-Enclusion<br>1.2-Enclusion<br>1.2-Enclusion | <u>Prunieur, Hydrocarbons</u><br>Béuzene<br><u>Metals</u> | Arsenic<br>Nation<br>detylliom<br>dire- in<br>Nickel                                                       | 100rde<br>W - Non-Sele-T<br>M - Not Analyzed |

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|------------------------------------------------------------------------------------------------|--------------|-----------------------|---------------------------------------------------------------------------------|-----------------------|----------------------|------------------------------------------|--------------------|----------------------|------------------------------------------|--------------------|------------------------------------------|--------------------------|-----------------------|----------------------|--------------------|------------------------------------------|----------------|------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------|----------------------|----------------|
| Parameter<br>Halooensted Altenes                                                               | Units        | £9-Ĵ2upuA             | December-95                                                                     | 0ecember-96           | December-98          | Decemper-99                              | Decemper-00        | 10-voN               | 20-todm9o90                              | Decempor-03        | December-04                              | November-05              | 5e-19dm9tq92          | December-95          | 0e-19dm909D        | 8e-ıədməsəQ                              | December-99    | December-00            | 10-voN                                                                                            | December-02                            | December-03           | Pecember-04          | 20-19dm9voV    |
| Tettachloroetnylene<br>Truchtproetnylene<br>1,1-Dictuoroetnylene<br>Visytictikurine            | 1/6n<br>1/6n | ND<br>NA<br>300<br>NA | 01<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>1 | 2<br>520<br>MC        | ND<br>ND<br>ND<br>ND | 0 0 0<br>545<br>0                        | ND<br>866<br>ND    | UN<br>ND<br>ND<br>ND | ND ND ND ND ND ND ND ND ND ND ND ND ND N | 00<br>N 00<br>N 00 | ND ND ND ND ND ND ND ND ND ND ND ND ND N | 1.5<br>1.2<br>300D<br>ND | 11<br>NA<br>350<br>NA | ND<br>ND<br>NA<br>NA | 8 4 8<br>2 0<br>ND | ON 94 ON<br>DN 94 ON                     | ND 101         | 5 8<br>ND<br>126<br>ND | 5 7<br>2 9<br>ND 1                                                                                | 00 00 00 00 00 00 00 00 00 00 00 00 00 | 4.9<br>23<br>ND<br>ND | 25<br>13<br>74<br>ND | E ~ E Q        |
| <mark>Halogenated Methanes</mark><br>Garbon Tenachi, Ede<br>Chlorofioni<br>Methyrone Chlorofic |              | ۲8<br>ND 8            | 30<br>NO<br>NU                                                                  | 40<br>N 1             | 21<br>ND             | 24.2<br>11.4<br>ND                       | 24 8<br>12 9<br>ND | 21.9<br>12.7<br>ND   | QN QN                                    | 12<br>10<br>ND     | 14<br>11<br>ND                           | e e S                    | 77<br>71<br>NA        | 6<br>10<br>ND        | 55<br>25<br>ND     | Z 23 23 23 23 23 23 23 23 23 23 23 23 23 | 84.6<br>ND 2.4 | 11 2<br>12 7 2<br>ND   | 43<br>26.8<br>1 5                                                                                 | 34<br>29<br>ND                         | 2 5 NO                | 15<br>26<br>ND       | UN<br>ST<br>ON |
| Halogenated Ethanes<br>1.1.1.Trichloroethane<br>1.2-Dichloroethane                             | /6n          | QN<br>ND              | QN<br>QN                                                                        | ພາບາ                  | QN<br>N              | an an an an an an an an an an an an an a | GN<br>5-2          | ND<br>4.7            | QN<br>QN                                 | ND<br>NA           | QN QN                                    | g g                      | DD<br>DD              | DN<br>DN             | 02 6               | Q Q                                      | 0 4.7<br>1 4.7 | 0 8<br>8               | NU<br>8.8<br>6                                                                                    | 0 A<br>0 V                             | QN<br>N               | د. د<br>۲. ک         | N()<br>4.4     |
| <u>Aromatic Hydrocarbons</u><br>Benzene                                                        | i/6n         | ÛN<br>N               | NC                                                                              | DN<br>N               | QN                   | ŊŊ                                       | QN                 | QN                   | ÔN                                       | ٩N.                | DN                                       | ů<br>Z                   | Q                     | Q                    | Q                  | Č,                                       | N<br>N<br>N    | Q<br>Z                 | UD<br>DN                                                                                          | , Q                                    | , du                  | QN                   | ND             |
| <u>Metals</u><br>Arseniç                                                                       | Vęn          | Ϋ́Α                   | 4<br>N                                                                          | AM                    | AN                   | AN                                       | AN                 | NA                   | ¥Z                                       | QN                 | AN                                       | ٩<br>٩                   | AN                    | AN                   | AN<br>N            | AV<br>AV                                 | 4              | <u></u>                |                                                                                                   | 4                                      |                       |                      |                |
| ຢລານຍາກ<br>ສອດyikun.<br>ດັ່ງກາດການສາ                                                           | Ng ta Ma     | 69 Q Q                | 73 6<br>NÜ<br>L 3                                                               | 819<br>CN<br>CN<br>CN | 0° C 2               | 92<br>DN<br>DN                           | 00 Q Q             | 96 CA 4              | A Z Z                                    | AN<br>AN           | A N N                                    | A A<br>Z Z               | 57 £                  | 00 GN                | 55 6<br>ND I       | 2 9<br>-                                 |                | 50                     | 28<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | इ. इ. इ.<br>इ. इ. इ. इ.                | N N N                 | AN<br>AN<br>AN       | a a a<br>z z z |
| leñs<br>Nickel                                                                                 | 5 <u>5</u>   | ç ç                   | in di                                                                           | QN<br>QN              | 222                  | ND SN                                    | n n n              | 2 Q Q                | A A A                                    | A U A<br>N N N     | AN<br>AN<br>AN                           | A A A A                  |                       | 2.6<br>ND<br>1.8     | - 08<br>9          | - 9 ~                                    |                | 299                    |                                                                                                   | <br>\$ \$ \$ \$                        | A D A<br>V D          | NN<br>AN<br>NA       | AN<br>AN<br>AN |
| Fluoride                                                                                       | υŊ           | ĢΝ                    | ĊŊ                                                                              | 36.3                  | QN                   | NŪ                                       | QN                 | QN                   | AN                                       | AN                 | NA                                       | ج<br>ک                   | -<br>QN               | 00                   | 207                | ć.                                       | i<br>QA        |                        | 2<br>N<br>N                                                                                       | ć,                                     | 4                     | 4.6                  | VN             |

ND - Non-Detect NA - Not Antiyzed 3 of 5

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# Table E-3. Summary of Selected Groundwater Results for Beritock Wells, Owens Corning, Anderson, South Carolina.

|                        |       | MW                       | -29 <u>R</u> |              |             |             |             |             | Allo        | ĸ                    |            |             |            |             |             |             | Glado      | len            |            |
|------------------------|-------|--------------------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|----------------------|------------|-------------|------------|-------------|-------------|-------------|------------|----------------|------------|
| Parameter              | Units | ۹۵-۱ <del>۵</del> dm9ว9Q | 20-19dm9voN  | September-93 | December-95 | December-96 | 7e-19dm9voN | December-98 | 99-19dm979D | 00-19 <b>dm</b> 939C | 10-201     | Secember-02 | ecember-03 | Pecember-04 | 50-19dm9vol | eptember-93 | ecember-96 | 76-19dm9vol    | 86-19dm939 |
| Halogenated Alkenes    |       |                          |              |              |             |             |             |             | 1           | 1                    | 1          | ]           |            |             |             | s           | a          | N              | a          |
| Tetrachioroethylene    | ngA   | ÛN                       | QN           | QN           | QN          | 0N          | QN          | CN          | ΟN          | QN                   | ALC:       | ND.         | C          | j.          | 6           | 4           | í.         | (              | 4          |
| Techbrootbylene        | ng/h  | ЧD                       | QN           | AN           | QN          | GN          | QN          | C N         |             |                      |            |             |            | n a         | 2           | CIN :       | QN C       | 2              | QN I       |
| 1.1-Uschlersethylene   | ჩნი   | 067                      | 95           | 1.2          | ND          | 1.2         | QN          | QZ QZ       | 2 G         |                      | n Cir      |             |            |             | 2 4         | AN L        | n -        | oz a           | Ê          |
| Varya Chronde          | ₽f:n  | NO                       | QN           | ٩N           | QN          | ON          | QN          | Q           | e e         | Q Q                  | 2 Q        | Q Q         | QN<br>QN   | 2 2         | CN CN       | AN<br>NA    | v Q        | ND ND          | N N        |
| Halogenated Methanes   |       |                          |              |              |             |             |             |             |             |                      |            |             |            |             |             |             |            |                |            |
| Carbon Tetrachloride   | ν£n   | 12                       | 34           | ÛZ           | QN          | ND          | QN          | ΩN          | 0N          | UN                   | Q          | C<br>2      | NF1        | G           | C N         | C<br>Z      | ç          | Ç.             | j.         |
| Culoretorm             | ₩¢n   |                          | ŝ            | QN           | ÛN          | ΩN          | QN          | QN          | QN          | CN CN                | a da       |             |            |             | 2 G         |             |            |                |            |
| Methylene Chionde      | yęn.  | UN.                      | QN           | CN<br>N      | QN          | GN          | QN          | QN          | Q<br>N      | on<br>No             | 1.5        | Q Q         | 2 2        | N Q         | QN QN       | NA N        | Q Q        | ND ON          | CIN 6      |
| Halogenated Ethanes    |       |                          |              |              |             |             |             |             |             |                      |            |             |            |             |             |             |            |                |            |
| 1,1,1-โณะให้อาจอะไหลกอ | i.çu  | N                        | ũN           | ĉ            | ND          | Q           | QN          | QN          | QN          | CN                   | CN         | QN          | NC.        | ALC .       |             | Ú           |            | Ç M            | ŭ<br>4     |
| 1,2-Dichornethane      | ι/fn  | ÛN                       | QN           | QN           | QN          | ND          | QN          | ND          | QN          | QN<br>N              | ND         | QN          | NA         | a a         | 2 Q         | 2           | ND N       | ND ON          | Q Q        |
| Aromatic Hydrocarbons  |       |                          |              |              |             |             |             |             |             |                      |            |             |            |             | ****        |             |            |                |            |
| Benzeike               | V0ii  | ÛN                       | QN           | QN           | QN          | QN          | QN          | QN          | QN          | QN                   | QN         | ŊĊ          | NA         | QN          | Q           | QN          | QN         | QN             | )<br>N     |
| <u>Metais</u>          |       |                          |              |              |             |             |             |             |             |                      |            |             |            |             |             |             |            |                |            |
| Arseruc                | νĆη   | NA                       | AN           | NA           | ٩N          | AN          | AN          | AN          | AN          | ΨŅ                   | AN<br>N    | AA<br>MA    | CN         | <           |             | V I V       | A1 A       | V 14           | 4          |
| 1940                   | y/6n  | VN.                      | NA           | 1100         | 216         | 160         | 5ũ          | 40          | 88          | 65                   | 77         | ΨN          | AN A       |             |             |             |            |                |            |
| Berymun.               | 1/ba  | AN                       | NA           | 1 6          | 1.1         | 1.7         | ΝŪ          | DN          | QN          | C N                  | CN         | A N         |            |             |             | - 62        | T. 0. T    | 200            | 0 4        |
|                        | [rdy] | VN                       | NA           | 22           | ন           | 3.6         | ŝ           | 2           | QN          | CN<br>N              | C N        | NA          |            |             |             |             |            |                | Ż,         |
| (R00)                  | nej/i | NA                       | NΝ           | 061          | 54          | 25.9        | 9           | vد          | 7.8         | U<br>U               | 2          | VIV         |            |             | 5           |             | n n        | ۲ <sup>4</sup> | - :        |
| ZEEF                   | yőn   | NA                       | ΝA           | 28           | 5.6         | ΟN          | m           | m           | 2 CN        |                      | 2 L<br>2 L |             |            |             | t i         | 0           | 0 (<br>0 - | 2              | NN .       |
|                        |       |                          |              |              |             |             |             | N           | 2           |                      |            |             | τ.         | ۲<br>Z      | AN          | R           | an         | -              | -          |
| Fluoride               | 1000  | Α'n                      | NA           | 370          | QN          | 88.3        | 100         | 100         | CN          | 0.50                 | QN         | NA          | 414        | •           |             | 6           | r<br>6     | 0.01           | i<br>I     |
|                        |       |                          |              |              |             |             |             |             |             |                      |            |             | 55         | 1           | 42          | 202         | n<br>Ju    | 200            | NC         |

NO - NOG-EUlect P.A. - NOE Analyzen

Table E-3. Summary of Selected Groundwater Results for Bedrock Wells, Owens Corning, Anderson, South Carolina.

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|          | 1           |                                                                                                           | 0.0.0                                                                                          | 0.0                                                                | 9                                            | <b>44444</b>                                                           | 1        |
|----------|-------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------------|----------|
|          | November-05 |                                                                                                           |                                                                                                | ΖΖ                                                                 | Z                                            | ZZZZZZ                                                                 |          |
|          | Pecember-04 |                                                                                                           | ON ON                                                                                          | Q Q                                                                | QN                                           | A A A A A<br>Z Z Z Z Z Z                                               | ΨZ       |
| <b>1</b> | Decemper-03 | ON ON                                                                                                     | QN QN                                                                                          | QN<br>NN                                                           | ۲<br>۷                                       | N N N N N N N N N N N N N N N N N N N                                  | ΨZ       |
| ž        | December-02 |                                                                                                           | QN<br>QN<br>N                                                                                  | QN QN                                                              | • 0                                          | A A A A A A A A A A A A A A A A A A A                                  | ٩Z       |
|          | 10-19dm9voN |                                                                                                           |                                                                                                | a a                                                                | Q                                            | D A A A A A<br>Z Z Z Z Z Z                                             | ٩v       |
|          | 0-tober-01  | QN<br>QN<br>QN<br>QN                                                                                      | ND<br>ND<br>8.1                                                                                | QN QN                                                              | Q                                            | ND<br>120<br>ND<br>21<br>21<br>ND                                      | QN       |
|          | November-05 |                                                                                                           | CN CN CN                                                                                       | Q Q                                                                | GN                                           | A A A A A<br>A A A A A A<br>A A A A A A                                | ٩N       |
|          | December-04 |                                                                                                           | Q Q Q                                                                                          | QN QN                                                              | QN                                           | 4 4 4 4 4<br>Z Z Z Z Z Z                                               | ٩N       |
| 5        | December-03 |                                                                                                           | ON ON                                                                                          | DN N                                                               | AN N                                         | N N N N N N N                                                          | AN       |
| MI       | December-02 |                                                                                                           | N N N                                                                                          | ON ON                                                              | QN                                           | 4 4 4 4 4<br>2 2 2 2 2 2 2                                             | ٩N       |
|          | r0-19dm9voN |                                                                                                           | N N N                                                                                          | Q QN                                                               | DN                                           | N N N N N N N N N N N N N N N N N N N                                  | ٩N       |
|          | 70-19dot2O  | QN QN QN                                                                                                  | ND<br>ND<br>1.2                                                                                | QN QN                                                              | QN                                           | NA<br>680<br>45<br>37                                                  | 500      |
|          | November-05 | QN<br>QN<br>QN<br>QN                                                                                      |                                                                                                | Q Q                                                                | Q                                            | 4 4 4 4 <b>4</b><br>2 2 2 2 2 2 2                                      | AN       |
|          | December-04 | DN DN DN DN DN DN DN DN DN DN DN DN DN D                                                                  | Q Q Q<br>N N                                                                                   | QN<br>N                                                            | QN                                           | 4 4 4 4 4<br>7 7 7 7 7 7<br>7 7 7 7 7                                  | ΨN       |
| a        | December-03 | QN<br>QN<br>QN<br>QN<br>QN                                                                                | O CI O<br>N N N                                                                                | 0 V<br>V                                                           | AN                                           | QN A A L A<br>A A A L A<br>A A A A A A A A A A A                       | ٩N       |
| 1W-4     | December-02 | UN<br>ND<br>NU                                                                                            | DN<br>DN<br>DN                                                                                 | 0N<br>ND                                                           | ů<br>v                                       | 4 7 7 7 7<br>7 7 7 7<br>7 7 7 7<br>7 7 7                               | ٨A       |
|          | 10-төдтөүой | ON 4 C                                                                                                    | 0<br>2 ° 0<br>N 0                                                                              | NŨ<br>NŨ                                                           | QN                                           | U N N N N N N N N N N N N N N N N N N N                                | 4Z       |
|          | f0-iedot>0  | ND<br>0N<br>1 6<br>0N                                                                                     | ON C                                                                                           | NŬ<br>NŨ                                                           | QN                                           | AN<br>DUN L B<br>DUN L B<br>DUN<br>DUN L B<br>DUN                      | 120      |
|          | nits        | 1/6n<br>1/6n<br>1/6n                                                                                      | 1/6n<br>1/6n<br>1/6n                                                                           | Vộu<br>Nộu                                                         | Vbn                                          | มู่อีก<br>มู่อีก<br>มู่อีก                                             | ytn      |
|          |             |                                                                                                           |                                                                                                |                                                                    |                                              | <u></u>                                                                |          |
|          | Parameter   | Halogenated Alkenes<br>Tetrachloroethylene<br>Trichidroethylene<br>1,1-Dichidroethylene<br>Vinyi Chicride | <mark>Halogenated Methanes</mark><br>Carbon Tetrachloride<br>Chioroforni<br>Methylene Chloride | Halogenated Ethanes<br>1,1,1-Trichioroethane<br>1,2-Dichloroethane | <mark>Aromatic Hydrocarbon</mark><br>Benzene | Metals<br>Arsenic<br>Barrum<br>Beryllium<br>ບໍ່ມີກະດາກແກ່ກ<br>Nuck ເຮົ | Fluoride |

NU - Nuñ-Eretert NA - Not Analyzed 5 01 5