



August 23, 2010

Tamara Berryman
BROWN AND CALDWELL
990 Hammond Drive
Atlanta GA 30328

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

RE: Owens Corning

Dear Tamara Berryman:

Order No: 1008B08

Analytical Environmental Services, Inc. received 29 samples on 8/13/2010 2:15:00 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:

- 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

COMPANY: **Brown & Caldwell**
 ADDRESS: **990 Hammond Dr Sk 400 Atlanta, GA 30328**

PHONE: **770-394-2997**
 FAX: **Atlanta, GA 30328**

SAMPLED BY: **Dan McCoy/Brian Steele**
 SIGNATURE: *[Signature]*

| # | SAMPLE ID | SAMPLED | | Grab | Composite | Matrix (See codes) |
|---|-----------|---------|------|------|-----------|--------------------|
| | | DATE | TIME | | | |

| | | | | | | |
|----|---------------|---------|------|---|--|----|
| 1 | MW-39 Zone 1 | 8/9/10 | 1730 | ✓ | | GW |
| 2 | MW-15 | | 1815 | | | |
| 3 | MW-22 | | 1640 | | | |
| 4 | MW-38 Zone 1 | 8/10/10 | 1630 | | | |
| 5 | MW-39 Zone 3 | | 1235 | | | |
| 6 | MW-39 Zone 2 | | 0950 | | | |
| 7 | MW-35 | | 1545 | | | |
| 8 | MW-37 Zone 3 | | 1450 | | | |
| 9 | MW-37 Zone 2 | | 1210 | | | |
| 10 | MW-37 Zone 1 | | 0940 | | | |
| 11 | MW-42 Zone 3 | 8/11/10 | 1500 | | | |
| 12 | MW-29R Zone 4 | | 0820 | | | |
| 13 | MW-29E Zone 3 | | 0155 | | | |
| 14 | MW-36 Zone 1 | | 0905 | | | |

RELINQUISHED BY: *[Signature]* DATE/TIME: **8/13/10 1415**
 RECEIVED BY: *[Signature]* DATE/TIME: **8-13-10 14:15**

SPECIAL INSTRUCTIONS/COMMENTS:
*** Project specific list of VDCs**

| ANALYSIS REQUESTED | PRESERVATION (See codes) | REMARKS | No # of Containers |
|--------------------|--------------------------|---------|--------------------|
| VOCs* | | | 2 |

| PROJECT NAME: | PROJECT INFORMATION | RECEIPT |
|-----------------------------------|--|---------------------------------|
| Owens Corning | PROJECT # 136870 | Total # of Containers 28 |
| SITE ADDRESS: Anderson, SC | SEND REPORT TO: Harveyman@brunald.com | Turnaround Time Request |
| INVOICE TO: | PO# | Standard 5 Business Days |
| (IF DIFFERENT FROM ABOVE) | | 2 Business Day Rush |
| | | Next Business Day Rush |
| | | Same Day Rush (auth req) |
| | | Other |

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY. IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
 SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
 PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

COMPANY: **Brown & Caldwell**
 ADDRESS: **990 Hammond Dr Ste 400 Atlanta, GA 30328**

PHONE: **770-394-2997** FAX:
 SAMPLED BY: **Dan McElroy/Brian Skelton** SIGNATURE: *[Signature]*

| # | SAMPLE ID | DATE | TIME | SAMPLING | | Matrix (See codes) |
|----|--------------|---------|------|----------|-----------|--------------------|
| | | | | Grab | Composite | |
| 1 | MW-36 zone 3 | 8/11/10 | 1000 | X | | GW |
| 2 | MW-36 zone 5 | | 1215 | | | |
| 3 | MW-38 zone 2 | | 0935 | | | |
| 4 | MW-42 zone 1 | 8/12/10 | 1205 | | | |
| 5 | MW-41 zone 2 | | 1430 | | | |
| 6 | MW-42 zone 2 | | 0935 | | | |
| 7 | Dup-081110 | 8/11/10 | 1200 | | | GW |
| 8 | EB-081110 | 8/11/10 | 1520 | | | |
| 9 | EB-081210 | 8/12/10 | 1325 | | | |
| 10 | EB-081010 | 8/10/10 | 1010 | | | |
| 11 | EB-080910 | 8/9/10 | 1825 | | | |
| 12 | EB-081310 | 8/13/10 | 0925 | | | |
| 13 | MW-41 zone 3 | | 0905 | | | GW |
| 14 | MW-41 zone 1 | | | | | GW |

REINQUISHED BY: _____ DATE/TIME: _____ RECEIVED BY: **[Signature]** DATE/TIME: **8-13-10 14:15**

SPECIAL INSTRUCTIONS/COMMENTS: *** Project specific list of VDCs**

SHIPMENT METHOD: **OUT / IN** VIA: **FedEx** OTHER: _____

ANALYSIS REQUESTED: **VOCs ***

PROJECT INFORMATION: PROJECT NAME: **Duens Corning** PROJECT #: **138670** SITE ADDRESS: **Anderson, SC**

SEND REPORT TO: **hberryman@brownandcald.com**

STATE PROGRAM (if any): _____ E-mail? **Y** / N: _____ Fax? **Y** / N: _____ DATA PACKAGE: **I** **II** **III** **IV**

REMARKS: **Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.**

RECEIPT: Total # of Containers: **28**

TURNAROUND TIME REQUEST: **Standard 5 Business Days**

NO # of Containers: **2**

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC ASES WILL PROCEED AS STANDARD TAT.
 SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
 PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

CHAIN OF CUSTODY

Work Order: 1008 B08

Date: 8/13/10 Page 3 of 3

COMPANY: **Brown & Caldwell**

ADDRESS: **990 Hemmond Dr Ste 400
Atlanta, GA 30528**

PHONE: **770-394-2997**

FAX:

SAMPLED BY: **Van Mcley/Brian Skede**

SIGNATURE: *[Signature]*

| # | SAMPLE ID | SAMPLED | | Grab | Composite | Matrix (See codes) |
|----|------------|---------|------|------|-----------|--------------------|
| | | DATE | TIME | | | |
| 1 | Trip Blank | | | | | LD |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
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| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |

| # | ANALYSIS REQUESTED | PRESERVATION (See codes) | REMARKS |
|----|--------------------|--------------------------|---------|
| | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
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| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

REMARKS: *[Signature]*

No # of Containers

| RELINQUISHED BY: | DATE/TIME | RECEIVED BY: | DATE/TIME |
|-----------------------|---------------|-----------------------|---------------|
| 1: <i>[Signature]</i> | 8/13/10 11:15 | 1: <i>[Signature]</i> | 8-13-10 14:15 |
| 2: | | 2: | |
| 3: | | 3: | |

| PROJECT NAME: | PROJECT INFORMATION | RECEIPT |
|---------------|--|--|
| Diens Corning | PROJECT #: 138670 | Total # of Containers: <u>2</u> |
| Anderson, SC | SITE ADDRESS: | Turnaround Time Request: <input checked="" type="checkbox"/> Standard 5 Business Days |
| | SEND REPORT TO: <i>hbergman@brownand.com</i> | <input type="checkbox"/> 2 Business Day Rush |
| | INVOICE TO: | <input type="checkbox"/> Next Business Day Rush |
| | (IF DIFFERENT FROM ABOVE) | <input type="checkbox"/> Same Day Rush (auth req) |
| | QUOTE #: | Other: <input type="checkbox"/> |
| | PO#: | STATE PROGRAM (if any): |
| | | E-mail? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N; Fax? <input type="checkbox"/> Y <input type="checkbox"/> N |
| | | DATA PACKAGE: <input checked="" type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV |

SPECIAL INSTRUCTIONS/COMMENTS:
Project specific list of VOCs

SHIPMENT METHOD: OUT / / / VIA CLIENT / / / VIA FedEx / / / UPS MAIL / / / COURIER / / / OTHER

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
 SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) C = Other (specify) WW = Waste Water
 PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice SAM+I = Sodium Bisulfate/Vechnanol + ice O = Other (specify) NA = None

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-39 ZONE 1 |
| Project: Owens Corning | Collection Date: 8/9/2010 5:20:00 PM |
| Lab ID: 1008B08-001 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|------------------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B | | | | (SW5030B) | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| Benzene | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| Toluene | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133894 | 1 | 08/20/2010 12:31 | SB |
| Surr: 4-Bromofluorobenzene | 87.3 | 60.1-127 | | %REC | 133894 | 1 | 08/20/2010 12:31 | SB |
| Surr: Dibromofluoromethane | 102 | 79.6-126 | | %REC | 133894 | 1 | 08/20/2010 12:31 | SB |
| Surr: Toluene-d8 | 97.6 | 78-116 | | %REC | 133894 | 1 | 08/20/2010 12:31 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-15 |
| Project: Owens Corning | Collection Date: 8/9/2010 6:15:00 PM |
| Lab ID: 1008B08-002 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| 1,1-Dichloroethene | 360 | 50 | | ug/L | 133948 | 10 | 08/20/2010 07:54 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| Benzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| Toluene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:10 | SB |
| Surr: 4-Bromofluorobenzene | 84.8 | 60.1-127 | | %REC | 133948 | 10 | 08/20/2010 07:54 | SB |
| Surr: 4-Bromofluorobenzene | 87 | 60.1-127 | | %REC | 133948 | 1 | 08/20/2010 20:10 | SB |
| Surr: Dibromofluoromethane | 103 | 79.6-126 | | %REC | 133948 | 1 | 08/20/2010 20:10 | SB |
| Surr: Dibromofluoromethane | 105 | 79.6-126 | | %REC | 133948 | 10 | 08/20/2010 07:54 | SB |
| Surr: Toluene-d8 | 99.4 | 78-116 | | %REC | 133948 | 1 | 08/20/2010 20:10 | SB |
| Surr: Toluene-d8 | 99.1 | 78-116 | | %REC | 133948 | 10 | 08/20/2010 07:54 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-22 |
| Project: Owens Corning | Collection Date: 8/9/2010 4:40:00 PM |
| Lab ID: 1008B08-003 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| 1,1-Dichloroethene | 460 | 50 | | ug/L | 133948 | 10 | 08/20/2010 11:58 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| Chloroform | 12 | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| Carbon tetrachloride | 17 | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| Benzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| Toluene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 09:13 | SB |
| Surr: 4-Bromofluorobenzene | 87.5 | 60.1-127 | | %REC | 133948 | 1 | 08/20/2010 09:13 | SB |
| Surr: 4-Bromofluorobenzene | 103 | 60.1-127 | | %REC | 133948 | 10 | 08/20/2010 11:58 | GK |
| Surr: Dibromofluoromethane | 106 | 79.6-126 | | %REC | 133948 | 1 | 08/20/2010 09:13 | SB |
| Surr: Dibromofluoromethane | 108 | 79.6-126 | | %REC | 133948 | 10 | 08/20/2010 11:58 | GK |
| Surr: Toluene-d8 | 96.1 | 78-116 | | %REC | 133948 | 1 | 08/20/2010 09:13 | SB |
| Surr: Toluene-d8 | 96.3 | 78-116 | | %REC | 133948 | 10 | 08/20/2010 11:58 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-38 ZONE 1 |
| Project: Owens Corning | Collection Date: 8/10/2010 4:30:00 PM |
| Lab ID: 1008B08-004 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| Benzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| Toluene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:27 | SB |
| Surr: 4-Bromofluorobenzene | 85.6 | 60.1-127 | | %REC | 133948 | 1 | 08/20/2010 17:27 | SB |
| Surr: Dibromofluoromethane | 104 | 79.6-126 | | %REC | 133948 | 1 | 08/20/2010 17:27 | SB |
| Surr: Toluene-d8 | 95.7 | 78-116 | | %REC | 133948 | 1 | 08/20/2010 17:27 | SB |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-39 ZONE 3 |
| Project: Owens Corning | Collection Date: 8/10/2010 12:35:00 PM |
| Lab ID: 1008B08-005 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| Benzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| Toluene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 20:37 | SB |
| Surr: 4-Bromofluorobenzene | 86.1 | 60.1-127 | | %REC | 133948 | 1 | 08/20/2010 20:37 | SB |
| Surr: Dibromofluoromethane | 105 | 79.6-126 | | %REC | 133948 | 1 | 08/20/2010 20:37 | SB |
| Surr: Toluene-d8 | 99.7 | 78-116 | | %REC | 133948 | 1 | 08/20/2010 20:37 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-39 ZONE 2 |
| Project: Owens Corning | Collection Date: 8/10/2010 9:50:00 AM |
| Lab ID: 1008B08-006 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| Benzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| Toluene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 17:54 | SB |
| Surr: 4-Bromofluorobenzene | 87.2 | 60.1-127 | | %REC | 133948 | 1 | 08/20/2010 17:54 | SB |
| Surr: Dibromofluoromethane | 105 | 79.6-126 | | %REC | 133948 | 1 | 08/20/2010 17:54 | SB |
| Surr: Toluene-d8 | 98.1 | 78-116 | | %REC | 133948 | 1 | 08/20/2010 17:54 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-35 |
| Project: Owens Corning | Collection Date: 8/10/2010 3:45:00 PM |
| Lab ID: 1008B08-007 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| 1,1-Dichloroethene | 580 | 50 | | ug/L | 133948 | 10 | 08/20/2010 18:48 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| Benzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| Toluene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 18:21 | SB |
| Surr: 4-Bromofluorobenzene | 84.6 | 60.1-127 | | %REC | 133948 | 1 | 08/20/2010 18:21 | SB |
| Surr: 4-Bromofluorobenzene | 88.8 | 60.1-127 | | %REC | 133948 | 10 | 08/20/2010 18:48 | SB |
| Surr: Dibromofluoromethane | 103 | 79.6-126 | | %REC | 133948 | 10 | 08/20/2010 18:48 | SB |
| Surr: Dibromofluoromethane | 107 | 79.6-126 | | %REC | 133948 | 1 | 08/20/2010 18:21 | SB |
| Surr: Toluene-d8 | 96.7 | 78-116 | | %REC | 133948 | 10 | 08/20/2010 18:48 | SB |
| Surr: Toluene-d8 | 98.1 | 78-116 | | %REC | 133948 | 1 | 08/20/2010 18:21 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-37 ZONE 3 |
| Project: Owens Corning | Collection Date: 8/10/2010 2:50:00 PM |
| Lab ID: 1008B08-008 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| Benzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| Toluene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:15 | SB |
| Surr: 4-Bromofluorobenzene | 87.5 | 60.1-127 | | %REC | 133948 | 1 | 08/20/2010 19:15 | SB |
| Surr: Dibromofluoromethane | 109 | 79.6-126 | | %REC | 133948 | 1 | 08/20/2010 19:15 | SB |
| Surr: Toluene-d8 | 99.4 | 78-116 | | %REC | 133948 | 1 | 08/20/2010 19:15 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Analytical Environmental Services, Inc

Date: 23-Aug-10

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-37 ZONE 2 |
| Project: Owens Corning | Collection Date: 8/10/2010 12:10:00 PM |
| Lab ID: 1008B08-009 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| 1,1-Dichloroethene | 320 | 50 | | ug/L | 133899 | 10 | 08/19/2010 16:29 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| Chloroform | 9.0 | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 18:51 | JT |
| Surr: 4-Bromofluorobenzene | 91.9 | 60.1-127 | | %REC | 133899 | 1 | 08/19/2010 18:51 | JT |
| Surr: 4-Bromofluorobenzene | 92.8 | 60.1-127 | | %REC | 133899 | 10 | 08/19/2010 16:29 | JT |
| Surr: Dibromofluoromethane | 102 | 79.6-126 | | %REC | 133899 | 1 | 08/19/2010 18:51 | JT |
| Surr: Dibromofluoromethane | 104 | 79.6-126 | | %REC | 133899 | 10 | 08/19/2010 16:29 | JT |
| Surr: Toluene-d8 | 98.1 | 78-116 | | %REC | 133899 | 1 | 08/19/2010 18:51 | JT |
| Surr: Toluene-d8 | 98.5 | 78-116 | | %REC | 133899 | 10 | 08/19/2010 16:29 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-37 ZONE 1 |
| Project: Owens Corning | Collection Date: 8/10/2010 9:40:00 AM |
| Lab ID: 1008B08-010 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| 1,1-Dichloroethene | 66 | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 21:12 | JT |
| Surr: 4-Bromofluorobenzene | 93 | 60.1-127 | | %REC | 133899 | 1 | 08/19/2010 21:12 | JT |
| Surr: Dibromofluoromethane | 114 | 79.6-126 | | %REC | 133899 | 1 | 08/19/2010 21:12 | JT |
| Surr: Toluene-d8 | 98.9 | 78-116 | | %REC | 133899 | 1 | 08/19/2010 21:12 | JT |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-42 ZONE 3 |
| Project: Owens Corning | Collection Date: 8/11/2010 3:00:00 PM |
| Lab ID: 1008B08-011 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 01:57 | JT |
| Surr: 4-Bromofluorobenzene | 93 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 01:57 | JT |
| Surr: Dibromofluoromethane | 109 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 01:57 | JT |
| Surr: Toluene-d8 | 99.3 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 01:57 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-29 R ZONE 4 |
| Project: Owens Corning | Collection Date: 8/11/2010 8:20:00 AM |
| Lab ID: 1008B08-012 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| 1,1-Dichloroethene | 440 | 50 | | ug/L | 133899 | 10 | 08/19/2010 16:57 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| Chloroform | 12 | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| Carbon tetrachloride | 15 | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:19 | JT |
| Surr: 4-Bromofluorobenzene | 91.8 | 60.1-127 | | %REC | 133899 | 10 | 08/19/2010 16:57 | JT |
| Surr: 4-Bromofluorobenzene | 94.9 | 60.1-127 | | %REC | 133899 | 1 | 08/19/2010 19:19 | JT |
| Surr: Dibromofluoromethane | 103 | 79.6-126 | | %REC | 133899 | 10 | 08/19/2010 16:57 | JT |
| Surr: Dibromofluoromethane | 107 | 79.6-126 | | %REC | 133899 | 1 | 08/19/2010 19:19 | JT |
| Surr: Toluene-d8 | 97.6 | 78-116 | | %REC | 133899 | 10 | 08/19/2010 16:57 | JT |
| Surr: Toluene-d8 | 99.8 | 78-116 | | %REC | 133899 | 1 | 08/19/2010 19:19 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Analytical Environmental Services, Inc

Date: 23-Aug-10

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-29R ZONE 3 |
| Project: Owens Corning | Collection Date: 8/11/2010 7:55:00 AM |
| Lab ID: 1008B08-013 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| 1,1-Dichloroethene | 530 | 50 | | ug/L | 133948 | 10 | 08/20/2010 15:55 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| Chloroform | 13 | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| Carbon tetrachloride | 17 | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| Benzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| Toluene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133948 | 1 | 08/20/2010 19:43 | SB |
| Surr: 4-Bromofluorobenzene | 85.9 | 60.1-127 | | %REC | 133948 | 1 | 08/20/2010 19:43 | SB |
| Surr: 4-Bromofluorobenzene | 99.5 | 60.1-127 | | %REC | 133948 | 10 | 08/20/2010 15:55 | GK |
| Surr: Dibromofluoromethane | 107 | 79.6-126 | | %REC | 133948 | 1 | 08/20/2010 19:43 | SB |
| Surr: Dibromofluoromethane | 110 | 79.6-126 | | %REC | 133948 | 10 | 08/20/2010 15:55 | GK |
| Surr: Toluene-d8 | 99.5 | 78-116 | | %REC | 133948 | 10 | 08/20/2010 15:55 | GK |
| Surr: Toluene-d8 | 100 | 78-116 | | %REC | 133948 | 1 | 08/20/2010 19:43 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

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|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-36 ZONE 1 |
| Project: Owens Corning | Collection Date: 8/11/2010 9:05:00 AM |
| Lab ID: 1008B08-014 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 12:10 | JT |
| Surr: 4-Bromofluorobenzene | 92.4 | 60.1-127 | | %REC | 133899 | 1 | 08/19/2010 12:10 | JT |
| Surr: Dibromofluoromethane | 103 | 79.6-126 | | %REC | 133899 | 1 | 08/19/2010 12:10 | JT |
| Surr: Toluene-d8 | 97.8 | 78-116 | | %REC | 133899 | 1 | 08/19/2010 12:10 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-36 ZONE 3 |
| Project: Owens Corning | Collection Date: 8/11/2010 10:00:00 AM |
| Lab ID: 1008B08-015 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:26 | JT |
| Surr: 4-Bromofluorobenzene | 92.5 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 02:26 | JT |
| Surr: Dibromofluoromethane | 110 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 02:26 | JT |
| Surr: Toluene-d8 | 99.2 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 02:26 | JT |

Qualifiers:

- * 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: 23-Aug-10

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-36 ZONE 5 |
| Project: Owens Corning | Collection Date: 8/11/2010 12:15:00 PM |
| Lab ID: 1008B08-016 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 02:55 | JT |
| Surr: 4-Bromofluorobenzene | 90.7 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 02:55 | JT |
| Surr: Dibromofluoromethane | 108 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 02:55 | JT |
| Surr: Toluene-d8 | 99.1 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 02:55 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-38 ZONE 2 |
| Project: Owens Corning | Collection Date: 8/11/2010 9:35:00 AM |
| Lab ID: 1008B08-017 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:23 | JT |
| Surr: 4-Bromofluorobenzene | 88.8 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 03:23 | JT |
| Surr: Dibromofluoromethane | 108 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 03:23 | JT |
| Surr: Toluene-d8 | 97.6 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 03:23 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-42 ZONE 1 |
| Project: Owens Corning | Collection Date: 8/12/2010 12:05:00 PM |
| Lab ID: 1008B08-018 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| Chloroform | 6.6 | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 03:52 | JT |
| Surr: 4-Bromofluorobenzene | 91.2 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 03:52 | JT |
| Surr: Dibromofluoromethane | 106 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 03:52 | JT |
| Surr: Toluene-d8 | 101 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 03:52 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Analytical Environmental Services, Inc

Date: 23-Aug-10

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-41 ZONE 2 |
| Project: Owens Corning | Collection Date: 8/12/2010 2:30:00 PM |
| Lab ID: 1008B08-019 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| 1,1-Dichloroethene | 370 | 50 | | ug/L | 133899 | 10 | 08/19/2010 17:25 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 19:48 | JT |
| Surr: 4-Bromofluorobenzene | 92.8 | 60.1-127 | | %REC | 133899 | 1 | 08/19/2010 19:48 | JT |
| Surr: 4-Bromofluorobenzene | 92.5 | 60.1-127 | | %REC | 133899 | 10 | 08/19/2010 17:25 | JT |
| Surr: Dibromofluoromethane | 105 | 79.6-126 | | %REC | 133899 | 10 | 08/19/2010 17:25 | JT |
| Surr: Dibromofluoromethane | 110 | 79.6-126 | | %REC | 133899 | 1 | 08/19/2010 19:48 | JT |
| Surr: Toluene-d8 | 98.4 | 78-116 | | %REC | 133899 | 10 | 08/19/2010 17:25 | JT |
| Surr: Toluene-d8 | 100 | 78-116 | | %REC | 133899 | 1 | 08/19/2010 19:48 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-42 ZONE 2 |
| Project: Owens Corning | Collection Date: 8/12/2010 9:35:00 AM |
| Lab ID: 1008B08-020 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:20 | JT |
| Surr: 4-Bromofluorobenzene | 93.4 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 04:20 | JT |
| Surr: Dibromofluoromethane | 107 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 04:20 | JT |
| Surr: Toluene-d8 | 97.7 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 04:20 | JT |

Qualifiers:

- * 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: 23-Aug-10

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: DUP - 081110 |
| Project: Owens Corning | Collection Date: 8/11/2010 12:00:00 PM |
| Lab ID: 1008B08-021 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 04:48 | JT |
| Surr: 4-Bromofluorobenzene | 87.9 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 04:48 | JT |
| Surr: Dibromofluoromethane | 108 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 04:48 | JT |
| Surr: Toluene-d8 | 101 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 04:48 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: EB-081110 |
| Project: Owens Corning | Collection Date: 8/11/2010 3:20:00 PM |
| Lab ID: 1008B08-022 | Matrix: Aqueous |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:16 | JT |
| Surr: 4-Bromofluorobenzene | 92 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 05:16 | JT |
| Surr: Dibromofluoromethane | 109 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 05:16 | JT |
| Surr: Toluene-d8 | 101 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 05:16 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: EB-081210 |
| Project: Owens Corning | Collection Date: 8/12/2010 1:25:00 PM |
| Lab ID: 1008B08-023 | Matrix: Aqueous |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 05:45 | JT |
| Surr: 4-Bromofluorobenzene | 90.8 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 05:45 | JT |
| Surr: Dibromofluoromethane | 108 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 05:45 | JT |
| Surr: Toluene-d8 | 99.8 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 05:45 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: EB-081010 |
| Project: Owens Corning | Collection Date: 8/10/2010 10:10:00 AM |
| Lab ID: 1008B08-024 | Matrix: Aqueous |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:13 | JT |
| Surr: 4-Bromofluorobenzene | 91.1 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 06:13 | JT |
| Surr: Dibromofluoromethane | 107 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 06:13 | JT |
| Surr: Toluene-d8 | 99.8 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 06:13 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: EB-080910 |
| Project: Owens Corning | Collection Date: 8/9/2010 6:25:00 PM |
| Lab ID: 1008B08-025 | Matrix: Aqueous |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 06:42 | JT |
| Surr: 4-Bromofluorobenzene | 92 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 06:42 | JT |
| Surr: Dibromofluoromethane | 108 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 06:42 | JT |
| Surr: Toluene-d8 | 98.5 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 06:42 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: EB-081310 |
| Project: Owens Corning | Collection Date: 8/13/2010 9:25:00 AM |
| Lab ID: 1008B08-026 | Matrix: Aqueous |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 07:10 | JT |
| Surr: 4-Bromofluorobenzene | 90.4 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 07:10 | JT |
| Surr: Dibromofluoromethane | 106 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 07:10 | JT |
| Surr: Toluene-d8 | 96.8 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 07:10 | JT |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-41 ZONE 3 |
| Project: Owens Corning | Collection Date: 8/13/2010 9:05:00 AM |
| Lab ID: 1008B08-027 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| 1,1-Dichloroethene | 260 | 50 | | ug/L | 133899 | 10 | 08/19/2010 17:54 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:16 | JT |
| Surr: 4-Bromofluorobenzene | 93.7 | 60.1-127 | | %REC | 133899 | 1 | 08/19/2010 20:16 | JT |
| Surr: 4-Bromofluorobenzene | 93.9 | 60.1-127 | | %REC | 133899 | 10 | 08/19/2010 17:54 | JT |
| Surr: Dibromofluoromethane | 108 | 79.6-126 | | %REC | 133899 | 1 | 08/19/2010 20:16 | JT |
| Surr: Dibromofluoromethane | 110 | 79.6-126 | | %REC | 133899 | 10 | 08/19/2010 17:54 | JT |
| Surr: Toluene-d8 | 95.9 | 78-116 | | %REC | 133899 | 1 | 08/19/2010 20:16 | JT |
| Surr: Toluene-d8 | 99.6 | 78-116 | | %REC | 133899 | 10 | 08/19/2010 17:54 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-41 ZONE 1 |
| Project: Owens Corning | Collection Date: 8/13/2010 11:40:00 AM |
| Lab ID: 1008B08-028 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| 1,1-Dichloroethene | 340 | 50 | | ug/L | 133899 | 10 | 08/19/2010 18:22 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/19/2010 20:44 | JT |
| Surr: 4-Bromofluorobenzene | 92.5 | 60.1-127 | | %REC | 133899 | 1 | 08/19/2010 20:44 | JT |
| Surr: 4-Bromofluorobenzene | 94.5 | 60.1-127 | | %REC | 133899 | 10 | 08/19/2010 18:22 | JT |
| Surr: Dibromofluoromethane | 103 | 79.6-126 | | %REC | 133899 | 10 | 08/19/2010 18:22 | JT |
| Surr: Dibromofluoromethane | 107 | 79.6-126 | | %REC | 133899 | 1 | 08/19/2010 20:44 | JT |
| Surr: Toluene-d8 | 95.5 | 78-116 | | %REC | 133899 | 10 | 08/19/2010 18:22 | JT |
| Surr: Toluene-d8 | 100 | 78-116 | | %REC | 133899 | 1 | 08/19/2010 20:44 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|-------------------------------------|
| Client: BROWN AND CALDWELL | Client Sample ID: TRIP BLANK |
| Project: Owens Corning | Collection Date: 8/13/2010 |
| Lab ID: 1008B08-029 | Matrix: Aqueous |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| Benzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| Toluene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 133899 | 1 | 08/20/2010 00:32 | JT |
| Surr: 4-Bromofluorobenzene | 96.4 | 60.1-127 | | %REC | 133899 | 1 | 08/20/2010 00:32 | JT |
| Surr: Dibromofluoromethane | 105 | 79.6-126 | | %REC | 133899 | 1 | 08/20/2010 00:32 | JT |
| Surr: Toluene-d8 | 97.8 | 78-116 | | %REC | 133899 | 1 | 08/20/2010 00:32 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Brown & Caldwell

Work Order Number 1008308

Checklist completed by M. J. Signature Date 8/13/10

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)* Yes No

Cooler #1 3.1c 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 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 submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Sample Condition: Good Adjusted? _____ Other(Explain) _____ Checked by _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

ANALYTICAL QC SUMMARY REPORT

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1008B08

BatchID: 133894

| Sample ID: MB-133894 | Client ID: | Units: ug/L | Prep Date: 08/19/2010 | Run No: 178508 | | | | | | | |
|-----------------------------|--|------------------------|----------------------------------|------------------------|------|-----------|------------|-------------|------|-----------|------|
| Sample Type: MBLK | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133894 | Analysis Date: 08/17/2010 | Seq No: 3714417 | | | | | | | |
| 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 | 0 |
| 1,1-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Benzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon tetrachloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethylbenzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene chloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tetrachloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Toluene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vinyl chloride | BRL | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Xylenes, Total | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 50.06 | 0 | 50 | 0 | 100 | 60.1 | 127 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 51.65 | 0 | 50 | 0 | 103 | 79.6 | 126 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 50.37 | 0 | 50 | 0 | 101 | 78 | 116 | 0 | 0 | 0 | 0 |

| Sample ID: LCS-133894 | Client ID: | Units: ug/L | Prep Date: 08/19/2010 | Run No: 178508 | | | | | | | |
|------------------------------|--|------------------------|----------------------------------|------------------------|------|-----------|------------|-------------|------|-----------|------|
| Sample Type: LCS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133894 | Analysis Date: 08/17/2010 | Seq No: 3714416 | | | | | | | |
| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |

| | | | | | | | | | | | |
|--------------------|-------|-----|----|---|------|------|-----|---|---|---|---|
| 1,1-Dichloroethene | 50.95 | 5.0 | 50 | 0 | 102 | 61.4 | 146 | 0 | 0 | 0 | 0 |
| Benzene | 47.93 | 5.0 | 50 | 0 | 95.9 | 72.8 | 131 | 0 | 0 | 0 | 0 |
| Toluene | 49.27 | 5.0 | 50 | 0 | 98.5 | 74.7 | 128 | 0 | 0 | 0 | 0 |

Qualifiers: > Greater than Result value < Less than Result value
 BRL Below reporting limit E Estimated (value above quantitation range)
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

ANALYTICAL QC SUMMARY REPORT

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1008B08

BatchID: 133894

| Sample ID: LCS-133894 | Client ID: | Units: ug/L | Prep Date: 08/19/2010 | Run No: 178508 | | | | | | | |
|------------------------------|---|------------------------|----------------------------------|------------------------|------|-----------|------------|-------------|------|-----------|------|
| Sample Type: LCS | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133894 | Analysis Date: 08/17/2010 | Seq No: 3714416 | | | | | | | |
| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |

| | | | | | | | | | | | |
|----------------------------|-------|-----|----|---|-----|------|-----|---|---|---|---|
| Trichloroethene | 52.82 | 5.0 | 50 | 0 | 106 | 74.4 | 130 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 50.45 | 0 | 50 | 0 | 101 | 60.1 | 127 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 51.35 | 0 | 50 | 0 | 103 | 79.6 | 126 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 50.19 | 0 | 50 | 0 | 100 | 78 | 116 | 0 | 0 | 0 | 0 |

| Sample ID: 1008B18-014AMS | Client ID: | Units: ug/L | Prep Date: 08/17/2010 | Run No: 178523 | | | | | | | |
|----------------------------------|---|------------------------|----------------------------------|------------------------|------|-----------|------------|-------------|------|-----------|------|
| Sample Type: MS | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133894 | Analysis Date: 08/19/2010 | Seq No: 3715156 | | | | | | | |
| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |

| | | | | | | | | | | | |
|----------------------------|-------|-----|----|---|------|------|-----|---|---|---|---|
| 1,1-Dichloroethene | 66.96 | 5.0 | 50 | 0 | 134 | 48.8 | 172 | 0 | 0 | 0 | 0 |
| Benzene | 54.10 | 5.0 | 50 | 0 | 108 | 64.5 | 143 | 0 | 0 | 0 | 0 |
| Toluene | 54.03 | 5.0 | 50 | 0 | 108 | 62 | 145 | 0 | 0 | 0 | 0 |
| Trichloroethene | 61.31 | 5.0 | 50 | 0 | 123 | 70.3 | 140 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 49.66 | 0 | 50 | 0 | 99.3 | 60.1 | 127 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 52.51 | 0 | 50 | 0 | 105 | 79.6 | 126 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 49.78 | 0 | 50 | 0 | 99.6 | 78 | 116 | 0 | 0 | 0 | 0 |

| Sample ID: 1008B18-014AMSD | Client ID: | Units: ug/L | Prep Date: 08/17/2010 | Run No: 178523 | | | | | | | |
|-----------------------------------|---|------------------------|----------------------------------|------------------------|------|-----------|------------|-------------|------|-----------|------|
| Sample Type: MSD | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133894 | Analysis Date: 08/19/2010 | Seq No: 3715157 | | | | | | | |
| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |

| | | | | | | | | | | | |
|----------------------------|-------|-----|----|---|------|------|-----|-------|------|------|--|
| 1,1-Dichloroethene | 63.20 | 5.0 | 50 | 0 | 126 | 48.8 | 172 | 66.96 | 5.78 | 21.6 | |
| Benzene | 52.16 | 5.0 | 50 | 0 | 104 | 64.5 | 143 | 54.10 | 3.65 | 18.3 | |
| Toluene | 52.48 | 5.0 | 50 | 0 | 105 | 62 | 145 | 54.03 | 2.91 | 21.2 | |
| Trichloroethene | 59.92 | 5.0 | 50 | 0 | 120 | 70.3 | 140 | 61.31 | 2.29 | 20.3 | |
| Surr: 4-Bromofluorobenzene | 49.08 | 0 | 50 | 0 | 98.2 | 60.1 | 127 | 49.66 | 0 | 0 | |
| Surr: Dibromofluoromethane | 50.65 | 0 | 50 | 0 | 101 | 79.6 | 126 | 52.51 | 0 | 0 | |
| Surr: Toluene-d8 | 49.59 | 0 | 50 | 0 | 99.2 | 78 | 116 | 49.78 | 0 | 0 | |

Qualifiers: > Greater than Result value
 < Less than Result value
 BRLL Below reporting limit
 E Estimated (value above quantitation range)
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Client: BROWN AND CALDWELL
 Project Name: Owens Corning
 Workorder: 1008B08

ANALYTICAL QC SUMMARY REPORT

BatchID: 133899

| | | | | |
|----------------------|--|-----------------|---------------------------|-----------------|
| Sample ID: MB-133899 | Client ID: | Units: ug/L | Prep Date: 08/18/2010 | Run No: 178467 |
| Sample Type: MBLK | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133899 | Analysis Date: 08/19/2010 | Seq No: 3713733 |

| 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 | 0 |
| 1,1-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Benzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon tetrachloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethylbenzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene chloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tetrachloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Toluene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vinyl chloride | BRL | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Xylenes, Total | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 44.84 | 0 | 50 | 0 | 89.7 | 60.1 | 127 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 52.50 | 0 | 50 | 0 | 105 | 79.6 | 126 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 50.56 | 0 | 50 | 0 | 101 | 78 | 116 | 0 | 0 | 0 | 0 |

| | | | | |
|-----------------------|--|-----------------|---------------------------|-----------------|
| Sample ID: LCS-133899 | Client ID: | Units: ug/L | Prep Date: 08/18/2010 | Run No: 178467 |
| Sample Type: LCS | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133899 | Analysis Date: 08/19/2010 | Seq No: 3713731 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|--------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 50.76 | 5.0 | 50 | 0 | 102 | 61.4 | 146 | 0 | 0 | 0 | 0 |
| Benzene | 46.01 | 5.0 | 50 | 0 | 92 | 72.8 | 131 | 0 | 0 | 0 | 0 |
| Toluene | 47.33 | 5.0 | 50 | 0 | 94.7 | 74.7 | 128 | 0 | 0 | 0 | 0 |
| Trichloroethene | 46.15 | 5.0 | 50 | 0 | 92.3 | 74.4 | 130 | 0 | 0 | 0 | 0 |

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 < Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 23-Aug-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1008B08

ANALYTICAL QC SUMMARY REPORT

BatchID: 133899

| | | | | |
|------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: LCS-133899 | Client ID: | Units: ug/L | Prep Date: 08/18/2010 | Run No: 178467 |
| Sample Type: LCS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133899 | Analysis Date: 08/19/2010 | Seq No: 3713731 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| Surr: 4-Bromofluorobenzene | 49.55 | 0 | 50 | 0 | 99.1 | 60.1 | 127 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 52.71 | 0 | 50 | 0 | 105 | 79.6 | 126 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 51.36 | 0 | 50 | 0 | 103 | 78 | 116 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1008B08-014AMS | Client ID: MW-36 ZONE 1 | Units: ug/L | Prep Date: 08/18/2010 | Run No: 178467 |
| Sample Type: MS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133899 | Analysis Date: 08/19/2010 | Seq No: 3713737 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 54.14 | 5.0 | 50 | 0 | 108 | 48.8 | 172 | 0 | 0 | 0 | 0 |
| Benzene | 47.77 | 5.0 | 50 | 0 | 95.5 | 64.5 | 143 | 0 | 0 | 0 | 0 |
| Toluene | 47.63 | 5.0 | 50 | 0 | 95.3 | 62 | 145 | 0 | 0 | 0 | 0 |
| Trichloroethene | 49.23 | 5.0 | 50 | 0 | 98.5 | 70.3 | 140 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 46.79 | 0 | 50 | 0 | 93.6 | 60.1 | 127 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 51.09 | 0 | 50 | 0 | 102 | 79.6 | 126 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 48.06 | 0 | 50 | 0 | 96.1 | 78 | 116 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1008B08-014MSD | Client ID: MW-36 ZONE 1 | Units: ug/L | Prep Date: 08/18/2010 | Run No: 178467 |
| Sample Type: MSD | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133899 | Analysis Date: 08/19/2010 | Seq No: 3713738 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|-------|-----------|------|
| 1,1-Dichloroethene | 53.86 | 5.0 | 50 | 0 | 108 | 48.8 | 172 | 54.14 | 0.519 | 21.6 | 0 |
| Benzene | 47.17 | 5.0 | 50 | 0 | 94.3 | 64.5 | 143 | 47.77 | 1.26 | 18.3 | 0 |
| Toluene | 47.98 | 5.0 | 50 | 0 | 96 | 62 | 145 | 47.63 | 0.732 | 21.2 | 0 |
| Trichloroethene | 47.59 | 5.0 | 50 | 0 | 95.2 | 70.3 | 140 | 49.23 | 3.39 | 20.3 | 0 |
| Surr: 4-Bromofluorobenzene | 45.58 | 0 | 50 | 0 | 91.2 | 60.1 | 127 | 46.79 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 50.12 | 0 | 50 | 0 | 100 | 79.6 | 126 | 51.09 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 48.03 | 0 | 50 | 0 | 96.1 | 78 | 116 | 48.06 | 0 | 0 | 0 |

| | | | | | | |
|--------------------|---------|--|---|---|---|--|
| Qualifiers: | > | Greater than Result value | < | Less than Result value | B | Analyte detected in the associated method blank |
| | BRL | Below reporting limit | E | Estimated (value above quantitation range) | H | Holding times for preparation or analysis exceeded |
| | J | Estimated value detected below Reporting Limit | N | Analyte not NELAC certified | R | RPD outside limits due to matrix |
| | Rpt Lim | Reporting Limit | S | Spike Recovery outside limits due to matrix | | |

Client: BROWN AND CALDWELL
 Project Name: Owens Corning
 Workorder: 1008B08

ANALYTICAL QC SUMMARY REPORT

BatchID: 133948

| | | | | |
|----------------------|--|-----------------|---------------------------|-----------------|
| Sample ID: MB-133948 | Client ID: | Units: ug/L | Prep Date: 08/19/2010 | Run No: 178522 |
| Sample Type: MBLK | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133948 | Analysis Date: 08/20/2010 | Seq No: 3715026 |

| 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 | 0 |
| 1,1-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Benzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon tetrachloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethylbenzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene chloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tetrachloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Toluene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vinyl chloride | BRL | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Xylenes, Total | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 42.19 | 0 | 50 | 0 | 84.4 | 60.1 | 127 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 51.53 | 0 | 50 | 0 | 103 | 79.6 | 126 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 48.86 | 0 | 50 | 0 | 97.7 | 78 | 116 | 0 | 0 | 0 | 0 |

| | | | | |
|-----------------------|--|-----------------|---------------------------|-----------------|
| Sample ID: LCS-133948 | Client ID: | Units: ug/L | Prep Date: 08/19/2010 | Run No: 178522 |
| Sample Type: LCS | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133948 | Analysis Date: 08/20/2010 | Seq No: 3715024 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|--------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 55.18 | 5.0 | 50 | 0 | 110 | 61.4 | 146 | 0 | 0 | 0 | 0 |
| Benzene | 47.89 | 5.0 | 50 | 0 | 95.8 | 72.8 | 131 | 0 | 0 | 0 | 0 |
| Toluene | 48.93 | 5.0 | 50 | 0 | 97.9 | 74.7 | 128 | 0 | 0 | 0 | 0 |
| Trichloroethene | 47.22 | 5.0 | 50 | 0 | 94.4 | 74.4 | 130 | 0 | 0 | 0 | 0 |

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 < Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 23-Aug-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1008B08

ANALYTICAL QC SUMMARY REPORT

BatchID: 133948

| | | | | |
|------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: LCS-133948 | Client ID: | Units: ug/L | Prep Date: 08/19/2010 | Run No: 178522 |
| Sample Type: LCS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133948 | Analysis Date: 08/20/2010 | Seq No: 3715024 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| Surr: 4-Bromofluorobenzene | 48.81 | 0 | 50 | 0 | 97.6 | 60.1 | 127 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 51.03 | 0 | 50 | 0 | 102 | 79.6 | 126 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 51.99 | 0 | 50 | 0 | 104 | 78 | 116 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1008B08-002AMS | Client ID: MW-15 | Units: ug/L | Prep Date: 08/19/2010 | Run No: 178522 |
| Sample Type: MS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133948 | Analysis Date: 08/20/2010 | Seq No: 3715028 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 923.1 | 50 | 500 | 359.0 | 113 | 48.8 | 172 | 0 | 0 | 0 | 0 |
| Benzene | 532.0 | 50 | 500 | 0 | 106 | 64.5 | 143 | 0 | 0 | 0 | 0 |
| Toluene | 548.3 | 50 | 500 | 19.40 | 106 | 62 | 145 | 0 | 0 | 0 | 0 |
| Trichloroethene | 514.8 | 50 | 500 | 0 | 103 | 70.3 | 140 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 486.8 | 0 | 500 | 0 | 97.4 | 60.1 | 127 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 531.6 | 0 | 500 | 0 | 106 | 79.6 | 126 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 533.6 | 0 | 500 | 0 | 107 | 78 | 116 | 0 | 0 | 0 | 0 |

| | | | | |
|-----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1008B08-002AMSD | Client ID: MW-15 | Units: ug/L | Prep Date: 08/19/2010 | Run No: 178522 |
| Sample Type: MSD | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 133948 | Analysis Date: 08/20/2010 | Seq No: 3715029 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|-------|-----------|------|
| 1,1-Dichloroethene | 925.9 | 50 | 500 | 359.0 | 113 | 48.8 | 172 | 923.1 | 0.303 | 21.6 | |
| Benzene | 518.8 | 50 | 500 | 0 | 104 | 64.5 | 143 | 532.0 | 2.51 | 18.3 | |
| Toluene | 536.3 | 50 | 500 | 19.40 | 103 | 62 | 145 | 548.3 | 2.21 | 21.2 | |
| Trichloroethene | 518.3 | 50 | 500 | 0 | 104 | 70.3 | 140 | 514.8 | 0.678 | 20.3 | |
| Surr: 4-Bromofluorobenzene | 508.5 | 0 | 500 | 0 | 102 | 60.1 | 127 | 486.8 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 527.1 | 0 | 500 | 0 | 105 | 79.6 | 126 | 531.6 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 525.4 | 0 | 500 | 0 | 105 | 78 | 116 | 533.6 | 0 | 0 | 0 |

| | | | | | | |
|--------------------|---------|--|---|---|---|--|
| Qualifiers: | > | Greater than Result value | < | Less than Result value | B | Analyte detected in the associated method blank |
| | BRL | Below reporting limit | E | Estimated (value above quantitation range) | H | Holding times for preparation or analysis exceeded |
| | J | Estimated value detected below Reporting Limit | N | Analyte not NELAC certified | R | RPD outside limits due to matrix |
| | Rpt Lim | Reporting Limit | S | Spike Recovery outside limits due to matrix | | |



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 26, 2010

Tamara Berryman
BROWN AND CALDWELL
990 Hammond Drive
Atlanta GA 30328

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

RE: Owens Corning

Dear Tamara Berryman:

Order No: 1011J61

Analytical Environmental Services, Inc. received 10 samples on 11/22/2010 3:35:00 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:


- 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.

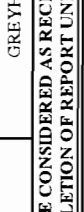
These results relate only to the items tested. This report may only be reproduced in full.


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

Brian Rohr
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
 3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

| COMPANY: Brown + Cabell 2 of 15 | | ADDRESS: 990 Hammond Drive NE, Suite 400 Atlanta, GA 30328 | | ANALYSIS REQUESTED | | REMARKS Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc. | | No # of Containers | |
|--|-----------------------|--|------|---------------------------------|------|--|--------------------|---|-----------|
| PHONE: (770) 673-3678 | | FAX: (770) 396-9495 | | PRESERVATION (See codes) | | Total # of Containers | | 20 | |
| SAMPLED BY: JDM; KMLW | | SIGNATURE:  | | PROJECT INFORMATION | | Turnaround Time Request Standard 5 Business Days 2 Business Day Rush Next Business Day Rush Same Day Rush (auth req.) Other | | STATE PROGRAM (if any): E-mail? <input type="radio"/> N, Fax? Y / N DATA PACKAGE: I II III IV | |
| # | SAMPLE ID | DATE | TIME | SAMPLED | Grab | Composite | Matrix (See codes) | RECEIVED BY | DATE/TIME |
| 1 | 628 Airline Road | 11/19/10 | 1503 | X | X | | GW | 11/22/10 1:06 PM | 11/22/10 |
| 2 | 115 Elrod Rd | 11/19/10 | 1450 | | | | | Plus | 11/22/10 |
| 3 | MW-42 Z3 | 11/19/10 | 1655 | | | | | | 15:31 |
| 4 | MW-36 Z3 | 11/19/10 | 1750 | | | | | | |
| 5 | MU-89 Z1 | 11/20/10 | 1000 | | | | | | |
| 6 | MU-89 Z2 | 11/20/10 | 1150 | | | | | | |
| 7 | MU-89 Z3 | 11/20/10 | 1350 | | | | | | |
| 8 | TV-42 | 11/20/10 | 1630 | | | | | | |
| 9 | EB-112210 (Tri Blank) | | | | | | | | |
| 10 | EB-112010 | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |

RELINQUISHED BY:  **DATE/TIME:** 11/21/10/1600

RECEIVED BY:  **DATE/TIME:** 11/22/10 1:06 PM

SHIPMENT METHOD: OUT / / / VIA: / / / IN / / / VIA: / / / CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER

SPECIAL INSTRUCTIONS/COMMENTS:
 * Poured 1 liter of VOCs: PCE, TCE, 1,1-TEA, 1,1-DCA, 1,2-DCA, 1,1-DCE, Cis-1,2-DCE, trans-1,2-DCE, VC, Carbon Tetrachloride, chloroform, methylene chloride, benzene, ethylbenzene, toluene, Xylenes

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S/M+1 = Sulfuric acid + ice S/M+1 = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original, Yellow Copy - Client

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: 628 AIRLINE ROAD |
| Project: Owens Corning | Collection Date: 11/19/2010 3:03:00 PM |
| Lab ID: 1011J61-001 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:30 | SB |
| Surr: 4-Bromofluorobenzene | 94.4 | 64.7-130 | | %REC | 138633 | 1 | 11/24/2010 06:30 | SB |
| Surr: Dibromofluoromethane | 105 | 80.7-129 | | %REC | 138633 | 1 | 11/24/2010 06:30 | SB |
| Surr: Toluene-d8 | 100 | 71.1-120 | | %REC | 138633 | 1 | 11/24/2010 06:30 | SB |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: 115 ELROD RD |
| Project: Owens Corning | Collection Date: 11/19/2010 2:50:00 PM |
| Lab ID: 1011J61-002 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:58 | SB |
| Surr: 4-Bromofluorobenzene | 100 | 64.7-130 | | %REC | 138633 | 1 | 11/24/2010 06:58 | SB |
| Surr: Dibromofluoromethane | 101 | 80.7-129 | | %REC | 138633 | 1 | 11/24/2010 06:58 | SB |
| Surr: Toluene-d8 | 96.7 | 71.1-120 | | %REC | 138633 | 1 | 11/24/2010 06:58 | SB |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-42 Z3 |
| Project: Owens Corning | Collection Date: 11/19/2010 4:55:00 PM |
| Lab ID: 1011J61-003 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:25 | SB |
| Surr: 4-Bromofluorobenzene | 96.8 | 64.7-130 | | %REC | 138633 | 1 | 11/24/2010 07:25 | SB |
| Surr: Dibromofluoromethane | 107 | 80.7-129 | | %REC | 138633 | 1 | 11/24/2010 07:25 | SB |
| Surr: Toluene-d8 | 99.1 | 71.1-120 | | %REC | 138633 | 1 | 11/24/2010 07:25 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-36 Z3 |
| Project: Owens Corning | Collection Date: 11/19/2010 5:50:00 PM |
| Lab ID: 1011J61-004 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 07:53 | SB |
| Surr: 4-Bromofluorobenzene | 96.7 | 64.7-130 | | %REC | 138633 | 1 | 11/24/2010 07:53 | SB |
| Surr: Dibromofluoromethane | 104 | 80.7-129 | | %REC | 138633 | 1 | 11/24/2010 07:53 | SB |
| Surr: Toluene-d8 | 101 | 71.1-120 | | %REC | 138633 | 1 | 11/24/2010 07:53 | SB |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-39 Z1 |
| Project: Owens Corning | Collection Date: 11/20/2010 10:00:00 AM |
| Lab ID: 1011J61-005 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 08:46 | SB |
| Surr: 4-Bromofluorobenzene | 98.3 | 64.7-130 | | %REC | 138633 | 1 | 11/24/2010 08:46 | SB |
| Surr: Dibromofluoromethane | 105 | 80.7-129 | | %REC | 138633 | 1 | 11/24/2010 08:46 | SB |
| Surr: Toluene-d8 | 101 | 71.1-120 | | %REC | 138633 | 1 | 11/24/2010 08:46 | SB |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-39 Z2 |
| Project: Owens Corning | Collection Date: 11/20/2010 11:50:00 AM |
| Lab ID: 1011J61-006 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 11:16 | SB |
| Surr: 4-Bromofluorobenzene | 96.3 | 64.7-130 | | %REC | 138633 | 1 | 11/24/2010 11:16 | SB |
| Surr: Dibromofluoromethane | 106 | 80.7-129 | | %REC | 138633 | 1 | 11/24/2010 11:16 | SB |
| Surr: Toluene-d8 | 100 | 71.1-120 | | %REC | 138633 | 1 | 11/24/2010 11:16 | SB |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-39 Z3 |
| Project: Owens Corning | Collection Date: 11/20/2010 1:50:00 PM |
| Lab ID: 1011J61-007 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:01 | SB |
| Surr: 4-Bromofluorobenzene | 96.1 | 64.7-130 | | %REC | 138633 | 1 | 11/24/2010 19:01 | SB |
| Surr: Dibromofluoromethane | 106 | 80.7-129 | | %REC | 138633 | 1 | 11/24/2010 19:01 | SB |
| Surr: Toluene-d8 | 98.4 | 71.1-120 | | %REC | 138633 | 1 | 11/24/2010 19:01 | SB |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: TW-42 |
| Project: Owens Corning | Collection Date: 11/20/2010 4:30:00 PM |
| Lab ID: 1011J61-008 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 19:29 | SB |
| Surr: 4-Bromofluorobenzene | 97.2 | 64.7-130 | | %REC | 138633 | 1 | 11/24/2010 19:29 | SB |
| Surr: Dibromofluoromethane | 114 | 80.7-129 | | %REC | 138633 | 1 | 11/24/2010 19:29 | SB |
| Surr: Toluene-d8 | 101 | 71.1-120 | | %REC | 138633 | 1 | 11/24/2010 19:29 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: TB-112210 (TRIP BLANK) |
| Project: Owens Corning | Collection Date: 11/22/2010 |
| Lab ID: 1011J61-009 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 05:35 | SB |
| Surr: 4-Bromofluorobenzene | 97.7 | 64.7-130 | | %REC | 138633 | 1 | 11/24/2010 05:35 | SB |
| Surr: Dibromofluoromethane | 101 | 80.7-129 | | %REC | 138633 | 1 | 11/24/2010 05:35 | SB |
| Surr: Toluene-d8 | 99.4 | 71.1-120 | | %REC | 138633 | 1 | 11/24/2010 05:35 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: EB-112010 |
| Project: Owens Corning | Collection Date: 11/20/2010 10:20:00 AM |
| Lab ID: 1011J61-010 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138633 | 1 | 11/24/2010 06:03 | SB |
| Surr: 4-Bromofluorobenzene | 94 | 64.7-130 | | %REC | 138633 | 1 | 11/24/2010 06:03 | SB |
| Surr: Dibromofluoromethane | 104 | 80.7-129 | | %REC | 138633 | 1 | 11/24/2010 06:03 | SB |
| Surr: Toluene-d8 | 95 | 71.1-120 | | %REC | 138633 | 1 | 11/24/2010 06:03 | SB |

Qualifiers:

- * 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.

Sample/Cooler Receipt Checklist

Client Brown and Caldwell

Work Order Number 1011561

Checklist completed by N. Demuth Signature Date 11/22/10

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)* Yes No

Cooler #1 4°C 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 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 submitted Yes No

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 included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

Analytical Environmental Services, Inc

Date: 26-Nov-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011161

ANALYTICAL QC SUMMARY REPORT

BatchID: 138633

| Sample ID: MB-138633 | Client ID: | Units: ug/L | Prep Date: 11/24/2010 | Run No: 185397 | | | | | | | |
|-----------------------------|--|------------------------|----------------------------------|------------------------|------|-----------|------------|-------------|------|-----------|------|
| Sample Type: MBLK | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138633 | Analysis Date: 11/24/2010 | Seq No: 3863921 | | | | | | | |
| 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 | 0 |
| 1,1-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Benzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon tetrachloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethylbenzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene chloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tetrachloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Toluene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vinyl chloride | BRL | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Xylenes, Total | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 48.25 | 0 | 50 | 0 | 96.5 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 51.28 | 0 | 50 | 0 | 103 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 48.53 | 0 | 50 | 0 | 97.1 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| Sample ID: LCS-138633 | Client ID: | Units: ug/L | Prep Date: 11/24/2010 | Run No: 185397 | | | | | | | |
|------------------------------|--|------------------------|----------------------------------|------------------------|------|-----------|------------|-------------|------|-----------|------|
| Sample Type: LCS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138633 | Analysis Date: 11/24/2010 | Seq No: 3863920 | | | | | | | |
| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |

| | | | | | | | | | | | |
|--------------------|-------|-----|----|---|------|------|-----|---|---|---|---|
| 1,1-Dichloroethene | 48.53 | 5.0 | 50 | 0 | 97.1 | 51 | 154 | 0 | 0 | 0 | 0 |
| Benzene | 46.18 | 5.0 | 50 | 0 | 92.4 | 73.6 | 129 | 0 | 0 | 0 | 0 |
| Toluene | 45.86 | 5.0 | 50 | 0 | 91.7 | 75.7 | 128 | 0 | 0 | 0 | 0 |

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 < Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 26-Nov-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011J61

ANALYTICAL QC SUMMARY REPORT

BatchID: 138633

| | | | | |
|-----------------------|--|-----------------|---------------------------|-----------------|
| Sample ID: LCS-138633 | Client ID: | Units: ug/L | Prep Date: | Run No: 185397 |
| Sample Type: LCS | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138633 | Analysis Date: 11/24/2010 | Seq No: 3863920 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| Trichloroethene | 48.46 | 5.0 | 50 | 0 | 96.9 | 73.9 | 132 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 50.42 | 0 | 50 | 0 | 101 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 50.39 | 0 | 50 | 0 | 101 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 49.09 | 0 | 50 | 0 | 98.2 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|---------------------------|--|-----------------|---------------------------|-----------------|
| Sample ID: 1011J61-001AMS | Client ID: 628 AIRLINE ROAD | Units: ug/L | Prep Date: | Run No: 185397 |
| Sample Type: MS | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138633 | Analysis Date: 11/24/2010 | Seq No: 3863935 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 58.94 | 5.0 | 50 | 0 | 118 | 46.2 | 183 | 0 | 0 | 0 | 0 |
| Benzene | 53.83 | 5.0 | 50 | 0 | 108 | 62.2 | 143 | 0 | 0 | 0 | 0 |
| Toluene | 54.76 | 5.0 | 50 | 0 | 110 | 57.8 | 149 | 0 | 0 | 0 | 0 |
| Trichloroethene | 59.20 | 5.0 | 50 | 0 | 118 | 70.5 | 149 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 51.89 | 0 | 50 | 0 | 104 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 53.53 | 0 | 50 | 0 | 107 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 50.98 | 0 | 50 | 0 | 102 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|--|-----------------|---------------------------|-----------------|
| Sample ID: 1011J61-001AMSD | Client ID: 628 AIRLINE ROAD | Units: ug/L | Prep Date: | Run No: 185397 |
| Sample Type: MSD | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138633 | Analysis Date: 11/24/2010 | Seq No: 3863938 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 59.64 | 5.0 | 50 | 0 | 119 | 46.2 | 183 | 58.94 | 1.18 | 20 | 20 |
| Benzene | 53.54 | 5.0 | 50 | 0 | 107 | 62.2 | 143 | 53.83 | 0.54 | 20 | 20 |
| Toluene | 52.95 | 5.0 | 50 | 0 | 106 | 57.8 | 149 | 54.76 | 3.36 | 20 | 20 |
| Trichloroethene | 56.63 | 5.0 | 50 | 0 | 113 | 70.5 | 149 | 59.20 | 4.44 | 20 | 20 |
| Surr: 4-Bromofluorobenzene | 49.27 | 0 | 50 | 0 | 98.5 | 64.7 | 130 | 51.89 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 52.46 | 0 | 50 | 0 | 105 | 80.7 | 129 | 53.53 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 51.39 | 0 | 50 | 0 | 103 | 71.1 | 120 | 50.98 | 0 | 0 | 0 |

| | | | | | | |
|--------------------|---------|--|---|---|---|--|
| Qualifiers: | > | Greater than Result value | < | Less than Result value | B | Analyte detected in the associated method blank |
| | BRL | Below reporting limit | E | Estimated (value above quantitation range) | H | Holding times for preparation or analysis exceeded |
| | J | Estimated value detected below Reporting Limit | N | Analyte not NELAC certified | R | RPD outside limits due to matrix |
| | Rpt Lim | Reporting Limit | S | Spike Recovery outside limits due to matrix | | |



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 30, 2010

Tamara Berryman
BROWN AND CALDWELL
990 Hammond Drive
Atlanta GA 30328

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

RE: Owens Corning

Dear Tamara Berryman:

Order No: 1011147

Analytical Environmental Services, Inc. received 89 samples on 11/19/2010 5:50:00 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:

- 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

| COMPANY: | | ADDRESS: | | ANALYSIS REQUESTED | | No # of Containers | |
|--|----------------|--|---------------|--|-----------------------------|---------------------------------------|--|
| Brown + Caldwell | | 990 Harned Drive NE, Suit 400 Atlanta, GA 30328 | | Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc. | | | |
| PHONE: | FAX: | SIGNATURE: | | PRESERVATION (See codes) | | REMARKS | |
| (770) 673-3858 | (770) 396-9445 | | | | | | |
| SAMPLED BY: | DATE: | | TIME: | Grab | Composite | Matrix | |
| JDM; KKM; KW; TCB | SAMPLE ID | | | | | | |
| 1 ✓ MW-1 | | 11/16/10 | 1415 | X | | GW | |
| 2 ✓ MW-2 | | 11/16/10 | 1520 | | | | |
| 3 ✓ MW-3 | | 11/17/10 | 0810 | | | | |
| 4 ✓ MW-4 | | 11/18/10 | 1135 | | | | |
| 5 ✓ MW-5 | | 11/16/10 | 1715 | | | | |
| 6 ✓ MW-6 | | 11/16/10 | 0830 | | | | |
| 7 ✓ MW-7 | | 11/19/10 | 1218 | | | | |
| 8 ✓ MW-9 | | 11/16/10 | 1530 | | | | |
| 9 ✓ MW-10 | | 11/16/10 | 1000 | | | | |
| 10 ✓ MW-11 | | 11/17/10 | 1155 | | | | |
| 11 ✓ MW-12 | | 11/17/10 | 1100 | | | | |
| 12 ✓ MW-13 | | 11/17/10 | 1110 | | | | |
| 13 ✓ MW-14 | | 11/17/10 | 0815 | | | | |
| 14 ✓ MW-15 | | 11/18/10 | 1015 | | | | |
| RELINQUISHED BY: | | DATE/TIME RECEIVED BY: | DATE/TIME | | PROJECT INFORMATION | | |
| | | 1: | 11/19/10 1700 | | PROJECT NAME: OWENS CORNING | | |
| | | 2: | 11/19/10 1750 | | PROJECT #: 138670 | | |
| | | 3: | | | SITE ADDRESS: Anderson, SC | | |
| SPECIAL INSTRUCTIONS/COMMENTS: #8260 Focus list PCE, TCE, 1,1-TCA, 1,1-DCA, 1,2-DCA, 1,1-DCE, 1,2-DCE, Trans-1,2-DCE, VC, Carbon Tetr, Chloroform, Methylene Chloride, Benzene, Toluene, Ethylbenzene, Xylenes | | SHIPMENT METHOD | | SEND REPORT TO: T Berryman @ Brown Caldwell.com | | INVOICE TO: (IF DIFFERENT FROM ABOVE) | |
| | | OUT: / / VIA: | | IN: / / VIA: | | QUOTE #: | |
| | | CLIENT: FedEx UPS MAIL COURIER | | GREYHOUND OTHER: | | STATE PROGRAM (if any): | |
| | | E-mail? Y/N: | | Fax? Y/N: | | DATA PACKAGE: I II III IV | |
| | | PO#: | | Turnaround Time Request | | Total # of Containers: 24 | |
| | | | | Standard 5 Business Days | | Turnaround Time Request | |
| | | | | 2 Business Day Rush | | Standard 5 Business Days | |
| | | | | Next Business Day Rush | | 2 Business Day Rush | |
| | | | | Same Day Rush (auth req.) | | Next Business Day Rush | |
| | | | | Other: | | Same Day Rush (auth req.) | |

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
 MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
 PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None
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ANALYTICAL ENVIRONMENTAL SERVICES, INC
 3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1011247

Date: _____ of Page 2 of _____

| # | SAMPLE ID | SAMPLED | | Grab | Composite | Matrix (See codes) | ANALYSIS REQUESTED | | REMARKS | No # of Containers |
|----|------------|----------|------|------|-----------|--------------------|--------------------------|--|---------|--------------------|
| | | DATE | TIME | | | | PRESERVATION (See codes) | | | |
| 1 | MW-16 | 11/18/10 | 0826 | X | | GW | | | | 2 |
| 2 | MW-17 | 11/18/10 | 1124 | | | | | | | |
| 3 | MW-18 | 11/15/10 | 1505 | | | | | | | |
| 4 | MW-19 | 11/17/10 | 0945 | | | | | | | |
| 5 | MW-20 | 11/15/10 | 1715 | | | | | | | |
| 6 | MW-21 | 11/18/10 | 0915 | | | | | | | |
| 7 | MW-22 | 11/18/10 | 0948 | | | | | | | |
| 8 | MW-24 | 11/18/10 | 1210 | | | | | | | |
| 9 | MW-25 | 11/18/10 | 1005 | | | | | | | |
| 10 | MW-26 | 11/13/10 | 1555 | | | | | | | |
| 11 | MW-27 | 11/15/10 | 1720 | | | | | | | |
| 12 | MW-28 | 11/19/10 | 1326 | | | | | | | |
| 13 | MW-29 R 23 | 11/16/10 | 1550 | | | | | | | |
| 14 | MW-30 | 11/19/10 | 1120 | | | | | | | |

| RELINQUISHED BY | DATE/TIME | RECEIVED BY | DATE/TIME |
|--------------------|-----------|--------------------|-----------|
| <i>[Signature]</i> | 11/19/10 | <i>[Signature]</i> | 11/19/10 |
| | | | 17:50 |

| | |
|--|---|
| SPECIAL INSTRUCTIONS/COMMENTS: * Focused list of VOCs. See page 1 | SHIPMENT METHOD OUT _____ VIA: _____ IN _____ VIA: _____ CLIENT: <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> MAIL <input type="checkbox"/> COURIER GREYHOUND <input type="checkbox"/> OTHER _____ |
|--|---|

| | |
|--|--|
| PROJECT NAME: <u>OWENS CORNING</u> PROJECT #: <u>13867e</u> SITE ADDRESS: _____ SEND REPORT TO: _____ INVOICE TO: _____ (IF DIFFERENT FROM ABOVE) | PROJECT INFORMATION PROJECT NAME: _____ PROJECT #: _____ SITE ADDRESS: _____ SEND REPORT TO: _____ INVOICE TO: _____ (IF DIFFERENT FROM ABOVE) |
|--|--|

| | |
|--|---|
| Turnaround Time Request <input checked="" type="checkbox"/> Standard 5 Business Days <input type="checkbox"/> 2 Business Day Rush <input type="checkbox"/> Next Business Day Rush <input type="checkbox"/> Same Day Rush (auth req.) <input type="checkbox"/> Other _____ | RECEIPT Total # of Containers: <u>29</u> |
|--|---|

| | |
|--|---------------------------|
| STATE PROGRAM (if any): _____ E-mail? Y/N: _____ Fax? Y/N: _____ DATA PACKAGE: I II III IV | QUOTE #: _____ PO#: _____ |
|--|---------------------------|

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
 SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.
 MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
 PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+H = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

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 3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: **1011547**

Date: _____ Page **3** of _____

| COMPANY: | ADDRESS: | | SAMPLED | | Grab | Composite | Matrix (See codes) | ANALYSIS REQUESTED | REMARKS | No # of Containers |
|---|--------------------------------|--------------------|-------------------------------|---|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | NAME | STREET | DATE | TIME | | | | | | |
| Brown + Caldwell | 940 Howard Drive NE, Suite 400 | Atlanta GA 30329 | | | | | | | | |
| PHONE: (770) 873-3678 | FAX: (770) 396-9447 | | SIGNATURE: <i>[Signature]</i> | | | | | | | |
| SAMPLED BY: JRM, TCB, KKM, KW | | | | | | | | | | |
| # | SAMPLE ID | DATE | TIME | Grab | Composite | Matrix (See codes) | ANALYSIS REQUESTED | REMARKS | No # of Containers | |
| 1 | MV-29R Z4 | 11/16/10 | 1630 | X | | GV | | | 2 | |
| 2 | MV-31 | 11/19/10 | 0935 | | | | | | | |
| 3 | MV-32 | 11/16/10 | 1550 | | | | | | | |
| 4 | MV-35 | 11/18/10 | 1450 | | | | | | | |
| 5 | MV-36 Z1 | 11/16/10 | 0940 | | | | | | | |
| 6 | MV-36 Z5 | 11/16/10 | 1150 | | | | | | | |
| 7 | MV-37 Z1 | 11/17/10 | 1000 | | | | | | | |
| 8 | MV-37 Z2 | 11/17/10 | 1230 | | | | | | | |
| 9 | MV-37 Z3 | 11/17/10 | 1525 | | | | | | | |
| 10 | MV-38 Z1 | 11/17/10 | 1750 | | | | | | | |
| 11 | MV-38 Z2 | 11/19/10 | 0935 | | | | | | | |
| 12 | MV-41 Z1 | 11/18/10 | 1545 | | | | | | | |
| 13 | MV-41 Z2 | 11/18/10 | 1500 | | | | | | | |
| 14 | MV-41 Z3 | 11/18/10 | 1215 | | | | | | | |
| RELINQUISHED BY | DATE/TIME | RECEIVED BY | DATE/TIME | PROJECT INFORMATION | | | | | | |
| <i>[Signature]</i> | 11/19/10 1730 | <i>[Signature]</i> | 11/19/10 1715 | PROJECT NAME: OWENS CORNING | | | | | | |
| | | | | PROJECT #: 138670 | | | | | | |
| | | | | SITE ADDRESS: | | | | | | |
| | | | | SEND REPORT TO: | | | | | | |
| | | | | INVOICE TO: (IF DIFFERENT FROM ABOVE) | | | | | | |
| | | | | QUOTE #: | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS: * Focused list of VOCs - See page 1 | | | | Total # of Containers: 24 <input checked="" type="checkbox"/> Turnaround Time Request <input type="checkbox"/> Standard 5 Business Days <input type="checkbox"/> 2 Business Day Rush <input type="checkbox"/> Next Business Day Rush <input type="checkbox"/> Same Day Rush (auth req.) <input type="checkbox"/> Other | | | | | | |
| STATE PROGRAM (if any): | | | | E-mail? Y / N; Fax? Y / N | | | | | | |
| DATA PACKAGE: I II III IV | | | | PO#: _____ | | | | | | |

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
 PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

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AES TEL: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 101147

Date: _____ Page A of _____

| # | SAMPLE ID | SAMPLED | | Grab | Composite | Matrix (See codes) | ANALYSIS REQUESTED | PRESERVATION (See codes) | REMARKS | No # of Containers | |
|---|---------------------|----------------------|--------------------|-------------------------------|------------------------------------|--------------------|--------------------|--------------------------|---------|--------------------|--|
| | | DATE | TIME | | | | | | | | |
| 1 | 117 Foye Drive | 11/16/10 | 1345 | X | | 6V | | | | 2 | |
| 2 | 134 Fridship Lane | 11/16/10 | 1003 | | | | | | | | |
| 3 | 200 Friendship Lane | | 1020 | | | | | | | | |
| 4 | 200 Koye Dr | | 1155 | | | | | | | | |
| 5 | 303 Koye Dr | | 1210 | | | | | | | | |
| 6 | 4112 Koye Dr | | 1335 | | | | | | | | |
| 7 | 335 Elrod Rd | | 1115 | | | | | | | | |
| 8 | 408 Clin Kowles Rd | | 1050 | | | | | | | | |
| 9 | 605 Clin Kowles Rd | | 0950 | | | | | | | | |
| 10 | 721 Clin Kowles Rd | | 1035 | | | | | | | | |
| 11 | 1302 Clin Kowles Rd | | 1105 | | | | | | | | |
| 12 | Dup - 11710 | 11/17/10 | 1200 | | | | | | | | |
| 13 | Dup - 11710A | 11/17/10 | 1200 | | | | | | | | |
| 14 | Dup - 11810 | 11/18/10 | 1200 | | | | | | | | |
| RELINQUISHED BY | | DATE/TIME | RECEIVED BY | DATE/TIME | PROJECT INFORMATION | | | | | | |
| 1: <i>[Signature]</i> | | 1750 | <i>[Signature]</i> | 11/19/10 | PROJECT NAME: <u>OWENS CORNING</u> | | | | | | |
| 2: <i>[Signature]</i> | | 11/19/10 | | 17:50 | PROJECT #: <u>138670</u> | | | | | | |
| 3: | | | | | SITE ADDRESS: _____ | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS: | | SHIPMENT METHOD | | SEND REPORT TO: _____ | | | | | | | |
| * Found list of VOCs | | OUT _____ VIA: _____ | | INVOICE TO: _____ | | | | | | | |
| | | IN _____ VIA: _____ | | (IF DIFFERENT FROM ABOVE) | | | | | | | |
| | | CLIENT: _____ | | QUOTE #: _____ PO#: _____ | | | | | | | |
| | | FedEx _____ | | STATE PROGRAM (if any): _____ | | | | | | | |
| | | UPS _____ | | E-mail? Y / N; Fax? Y / N | | | | | | | |
| | | OTHER _____ | | DATA PACKAGE: I II III IV | | | | | | | |
| <p>SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.</p> <p>SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.</p> | | | | | | | | | | | |
| <p>MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water</p> <p>PRESERVATIVE CODES: H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S/M+1 = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None</p> | | | | | | | | | | | |

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 3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: **1011147**

Date: _____ of _____ Page **5** of _____

| COMPANY: | ADDRESS: | | SAMPLE ID | SAMPLED | | Grab | Composite | Matrix (See codes) | ANALYSIS REQUESTED | REMARKS | No # of Containers |
|--|-------------------------------|---------------------------------|--------------------------|---------------------------------------|------|------|-----------|--------------------|--------------------|---------|--------------------|
| | PHONE: | FAX: | | DATE | TIME | | | | | | |
| Born + Caldwell | 990 Howard Drive NE | Atlanta, GA 30328 | EB-111510 | 11/15/10 | 1740 | X | | OW | | | 2 |
| | (770) 673-3679 | 770 396 9495 | ED-111610 | 11/16/10 | 1600 | | | | | | |
| | SAMPLED BY: JBM, KKM, KV, TCB | | ED-111710 | 11/17/10 | 1035 | | | | | | |
| | | | ED-111810 | 11/18/10 | 1615 | | | | | | |
| | | | EB-111910 | 11/19/10 | 1230 | | | | | | |
| | | | SV-1 | 11/15/10 | 1315 | | | SW | | | |
| | | | SV-2 | | 1615 | | | | | | |
| | | | SV-3A | | 1600 | | | | | | |
| | | | SV-3B | | 1545 | | | | | | |
| | | | SV-6 | | 1120 | | | | | | |
| | | | SW-10 | | 1140 | | | | | | |
| | | | SW-11 | | 1500 | | | | | | |
| | | | SW-12 | | 1430 | | | | | | |
| | | | SW-13 | | 1415 | | | | | | |
| RELINQUISHED BY: <i>[Signature]</i> | DATE/TIME: 11/19/10 1750 | RECEIVED BY: <i>[Signature]</i> | DATE/TIME: 11/19/10 1750 | PROJECT INFORMATION | | | | | | | |
| PROJECT NAME: OWENS CORNING | | | | PROJECT # 138670 | | | | | | | |
| SITE ADDRESS: | | | | SEND REPORT TO: | | | | | | | |
| SHIPMENT METHOD: VIA: CLIENT FedEx UPS MAIL COURIER | | | | INVOICE TO: (IF DIFFERENT FROM ABOVE) | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS: * Focused List | | | | QUOTE # _____ PO# _____ | | | | | | | |
| SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY. IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. | | | | STATE PROGRAM (if any): _____ | | | | | | | |
| MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water | | | | E-mail? Y/N; Fax? Y/N | | | | | | | |
| PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sulfuric acid + ice S/M+I = Sulfuric acid + ice O = Other (specify) NA = None | | | | DATA PACKAGE: I II III IV | | | | | | | |
| TURNAROUND TIME REQUEST: Standard 5 Business Days 2 Business Day Rush Next Business Day Rush Same Day Rush (auth req.) Other | | | | RECEIPT: Total # of Containers: 25 | | | | | | | |



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

AES TEL: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 101177

Date: _____ Page 6 of _____

| COMPANY: | ADDRESS: | | ANALYSIS REQUESTED | | REMARKS | No # of Containers |
|--------------------------------|--|----------------|-------------------------|--|--|--------------------|
| | PHONE: | FAX: | PREPARATION (See codes) | PRESERVATION (See codes) | | |
| Brown + Caldwell | 990 Hammond Drive NE Suite 404 Atlanta GA 30324 | | | | Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc. | |
| 109 | (770) 673-3678 | (770) 396-9495 | | | | |
| SAMPLED BY: | JRM, JCP, KHM, KW | | | | | |
| SAMPLE ID | DATE | TIME | Grab | Composite | Matrix (See codes) | |
| 1 ✓ SU-15 | 15 NOV 10 | 1330 | X | | SW | |
| 2 ✓ DUP-11510 | 15 NOV 10 | | | | SW | |
| 3 ✓ TV-40 | 11/17/10 | 1700 | | | GW | |
| 4 TV-41 | 11/17/10 | 1709 | | | | |
| 5 TV-42 | | | | | | |
| 6 TV-43 | 16 NOV 10 | 1800 | | | | |
| 7 TV-44 | 11/17/10 | 1455 | | | | |
| 8 TV-46 | 11/18/10 | 1745 | | | | |
| 9 Alley | 11/18/10 | 1650 | | | | |
| 10 EVH (11/17/10) | 11/17/10 | 1140 | | | | |
| 11 EW-1 (11/18/10) | 11/18/10 | 1700 | | | | |
| 12 EW-1 (11/19/10) | 11/19/10 | 0800 | | | | |
| 13 DUP-11810A | 11/18/10 | 1800 | | | | |
| 14 FB-11810 | 11/18/10 | 1630 | | | | |
| RELINQUISHED BY: | DATE/TIME | RECEIVED BY: | DATE/TIME | PROJECT INFORMATION | | |
| | 1750 11/17/10 | Plus | 11/19/10 | PROJECT NAME: OVENS CORNING | | |
| | | | 17:50 | PROJECT #: 138670 | | |
| | | | | SITE ADDRESS: | | |
| | | | | SEND REPORT TO: | | |
| | | | | INVOICE TO: (IF DIFFERENT FROM ABOVE) | | |
| | | | | QUOTE #: | | |
| SPECIAL INSTRUCTIONS/COMMENTS: | | | | TURNAROUND TIME REQUEST | | |
| * Found 1517 See page 1 | | | | Standard 5 Business Days | | |
| | | | | 2 Business Day Rush | | |
| | | | | Next Business Day Rush | | |
| | | | | Same Day Rush (auth req.) | | |
| | | | | Other | | |
| | | | | Total # of Containers: 23 | | |
| | | | | STATE PROGRAM (if any): | | |
| | | | | E-mail? Y/N; Fax? Y/N | | |
| | | | | DATA PACKAGE: I II III IV | | |

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S/M+1 = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original, Yellow Copy - Client



ANALYTICAL ENVIRONMENTAL SERVICES, INC
 3785 Presidential Parkway, Atlanta GA 30340-3704
 AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1011747
 Date: _____ Page 7 of _____

| COMPANY: | | ADDRESS: | | | | ANALYSIS REQUESTED | | REMARKS | |
|--|--------------------------|---|-----------------|---|-----------|-----------------------------|---|--|---|
| Brown + Caldwell | | 990 Hammet Drive NE, Suite 400 Atlanta, GA 30328 | | | | | | Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc. | |
| PHONE: (770) 673-3678 | | FAX: (770) 396-9495 | | SIGNATURE: | | PRESERVATION (See codes) | | No # of Containers | |
| # | SAMPLE ID | DATE | TIME | Grab | Composite | Matrix | | | |
| 1 | EB-11-15-2010 | 11/15/10 | 1340 | X | | GW | X | Wendy | 2 |
| 2 | EB-11-15-2010 | 11/16/10 | 1100 | X | | | X | Wendy | 2 |
| 3 | MW-42-2-2 | 11/19/10 | 1415 | X | | | X | | 2 |
| 4 | MW-42-2-1 | 11/19/10 | 1115 | Y | | | X | | 2 |
| 5 | Temp Blank | | | | | DI | X | | 2 |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| RELINQUISHER BY: | | DATE/TIME: 11/19/10 7:50 | | RECEIVED BY: | | DATE/TIME: 11/19/10 19:50 | | PROJECT INFORMATION | |
| 1. | | 11/19/10 7:50 | | 11/19/10 19:50 | | PROJECT NAME: OWENS CORNING | | Total # of Containers | |
| 2. | | 11/19/10 7:50 | | 11/19/10 19:50 | | PROJECT # 138670 | | Turnaround Time Request Standard 5 Business Days 2 Business Day Rush Next Business Day Rush Same Day Rush (auth req) Other | |
| 3. | | 11/19/10 7:50 | | 11/19/10 19:50 | | SITE ADDRESS | | STATE PROGRAM (if any): E-mail? Y/N; Fax? Y/N DATA PACKAGE I II III IV | |
| SPECIAL INSTRUCTIONS/COMMENTS: # Found List | | SHIPMENT METHOD | | OUT / / VIA IN () CLIENTS FedEx UPS MAIL COURIER GREYHOUND OTHER | | SEND REPORT TO: | | INVOICE TO: (IF DIFFERENT FROM ABOVE) | |
| SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. | | | | | | | | | |
| MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify) PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+H = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice | | | | | | | | | |

Client: BROWN AND CALDWELL
Project: Owens Corning
Lab ID: 1011I47

Case Narrative

Sample Receiving Nonconformance:

Sample 1011I47-038A was listed as MW-36 Z1 on the sample container, but matched the collection date & time for MW-38 Z1.

Sample 1011I47-040A was listed as MW-37 Z1 on the sample container, but matched the collection date & time for MW-41 Z1.

Sample 1011I47-042A was listed as MW-37 Z3 on the sample container, but matched the collection date & time for MW-41 Z3.

All samples were reported according to the Chain of Custody.

11/29/2010 Per Jason Meadows, via email, samples should be reported according to the COC.

Samples 1011I47-087A, -088A, and -089A were extra samples not listed on the COC. Client was contacted regarding these samples.

11/22/2010 Per Jason Meadows, via email, Samples 1011I47-087A, -088A should be logged in for VOC analysis. Sample 1011I47-089A should not be reported.

Volatile Organic Compounds Analysis by Method 8260B:

Due to sample matrix, Samples 1011I47-007A and -026A required dilution during preparation and/or analysis resulting in elevated reporting limits.

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-1 |
| Project: Owens Corning | Collection Date: 11/16/2010 2:15:00 PM |
| Lab ID: 1011147-001 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:12 | GK |
| Surr: 4-Bromofluorobenzene | 95.7 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 17:12 | GK |
| Surr: Dibromofluoromethane | 107 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 17:12 | GK |
| Surr: Toluene-d8 | 96.4 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 17:12 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-2 |
| Project: Owens Corning | Collection Date: 11/15/2010 3:20:00 PM |
| Lab ID: 1011147-002 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | GK |
| Surr: 4-Bromofluorobenzene | 95.8 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 17:42 | GK |
| Surr: Dibromofluoromethane | 110 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 17:42 | GK |
| Surr: Toluene-d8 | 97.7 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 17:42 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-3 |
| Project: Owens Corning | Collection Date: 11/17/2010 8:10:00 AM |
| Lab ID: 1011147-003 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:11 | GK |
| Surr: 4-Bromofluorobenzene | 96.9 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 18:11 | GK |
| Surr: Dibromofluoromethane | 111 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 18:11 | GK |
| Surr: Toluene-d8 | 97.5 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 18:11 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-4 |
| Project: Owens Corning | Collection Date: 11/18/2010 11:35:00 AM |
| Lab ID: 1011147-004 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 18:41 | GK |
| Surr: 4-Bromofluorobenzene | 96.5 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 18:41 | GK |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 18:41 | GK |
| Surr: Toluene-d8 | 97.2 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 18:41 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-5 |
| Project: Owens Corning | Collection Date: 11/16/2010 5:15:00 PM |
| Lab ID: 1011147-005 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:11 | GK |
| Surr: 4-Bromofluorobenzene | 94.7 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 19:11 | GK |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 19:11 | GK |
| Surr: Toluene-d8 | 98.7 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 19:11 | GK |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-6 |
| Project: Owens Corning | Collection Date: 11/16/2010 8:30:00 AM |
| Lab ID: 1011147-006 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 19:41 | GK |
| Surr: 4-Bromofluorobenzene | 96.8 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 19:41 | GK |
| Surr: Dibromofluoromethane | 115 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 19:41 | GK |
| Surr: Toluene-d8 | 99.1 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 19:41 | GK |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-7 |
| Project: Owens Corning | Collection Date: 11/19/2010 12:18:00 PM |
| Lab ID: 1011147-007 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 1000 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| 1,1-Dichloroethene | 20000 | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| Methylene chloride | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| trans-1,2-Dichloroethene | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| 1,1-Dichloroethane | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| cis-1,2-Dichloroethene | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| Chloroform | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| 1,1,1-Trichloroethane | 31000 | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| Carbon tetrachloride | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| Benzene | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| 1,2-Dichloroethane | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| Trichloroethene | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| Toluene | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| Tetrachloroethene | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| Ethylbenzene | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| Xylenes, Total | BRL | 2500 | | ug/L | 138510 | 500 | 11/22/2010 20:40 | GK |
| Surr: 4-Bromofluorobenzene | 99.4 | 64.7-130 | | %REC | 138510 | 500 | 11/22/2010 20:40 | GK |
| Surr: Dibromofluoromethane | 104 | 80.7-129 | | %REC | 138510 | 500 | 11/22/2010 20:40 | GK |
| Surr: Toluene-d8 | 93.4 | 71.1-120 | | %REC | 138510 | 500 | 11/22/2010 20:40 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-10 |
| Project: Owens Corning | Collection Date: 11/16/2010 3:30:00 PM |
| Lab ID: 1011147-008 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 20:11 | GK |
| Surr: 4-Bromofluorobenzene | 95.9 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 20:11 | GK |
| Surr: Dibromofluoromethane | 112 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 20:11 | GK |
| Surr: Toluene-d8 | 99.1 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 20:11 | GK |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-9 |
| Project: Owens Corning | Collection Date: 11/16/2010 10:00:00 AM |
| Lab ID: 1011147-009 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 17:42 | SB |
| Surr: 4-Bromofluorobenzene | 96.9 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 17:42 | SB |
| Surr: Dibromofluoromethane | 110 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 17:42 | SB |
| Surr: Toluene-d8 | 97.7 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 17:42 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-11 |
| Project: Owens Corning | Collection Date: 11/17/2010 11:55:00 AM |
| Lab ID: 1011147-010 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | 35 | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| 1,1-Dichloroethene | 280 | 50 | | ug/L | 138510 | 10 | 11/23/2010 13:43 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| 1,1-Dichloroethane | 5.2 | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 13:13 | GK |
| Surr: 4-Bromofluorobenzene | 93.8 | 64.7-130 | | %REC | 138510 | 10 | 11/23/2010 13:43 | GK |
| Surr: 4-Bromofluorobenzene | 94 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 13:13 | GK |
| Surr: Dibromofluoromethane | 107 | 80.7-129 | | %REC | 138510 | 10 | 11/23/2010 13:43 | GK |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 13:13 | GK |
| Surr: Toluene-d8 | 94.9 | 71.1-120 | | %REC | 138510 | 10 | 11/23/2010 13:43 | GK |
| Surr: Toluene-d8 | 97.3 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 13:13 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Analytical Environmental Services, Inc

Date: 2-Dec-10

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-12 |
| Project: Owens Corning | Collection Date: 11/17/2010 11:00:00 AM |
| Lab ID: 1011147-011 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| 1,1-Dichloroethene | 310 | 50 | | ug/L | 138510 | 10 | 11/24/2010 09:05 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| Chloroform | 18 | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| Carbon tetrachloride | 13 | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:10 | GK |
| Surr: 4-Bromofluorobenzene | 93.9 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 22:10 | GK |
| Surr: 4-Bromofluorobenzene | 92.8 | 64.7-130 | | %REC | 138510 | 10 | 11/24/2010 09:05 | GK |
| Surr: Dibromofluoromethane | 111 | 80.7-129 | | %REC | 138510 | 10 | 11/24/2010 09:05 | GK |
| Surr: Dibromofluoromethane | 112 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 22:10 | GK |
| Surr: Toluene-d8 | 97.3 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 22:10 | GK |
| Surr: Toluene-d8 | 98.9 | 71.1-120 | | %REC | 138510 | 10 | 11/24/2010 09:05 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-13 |
| Project: Owens Corning | Collection Date: 11/17/2010 11:10:00 AM |
| Lab ID: 1011147-012 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| 1,1-Dichloroethene | 350 | 50 | | ug/L | 138510 | 10 | 11/23/2010 14:42 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| Chloroform | 17 | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| Carbon tetrachloride | 28 | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| 1,2-Dichloroethane | 5.2 | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 14:13 | GK |
| Surr: 4-Bromofluorobenzene | 94.4 | 64.7-130 | | %REC | 138510 | 10 | 11/23/2010 14:42 | GK |
| Surr: 4-Bromofluorobenzene | 96.2 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 14:13 | GK |
| Surr: Dibromofluoromethane | 109 | 80.7-129 | | %REC | 138510 | 10 | 11/23/2010 14:42 | GK |
| Surr: Dibromofluoromethane | 110 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 14:13 | GK |
| Surr: Toluene-d8 | 97 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 14:13 | GK |
| Surr: Toluene-d8 | 98.6 | 71.1-120 | | %REC | 138510 | 10 | 11/23/2010 14:42 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-14 |
| Project: Owens Corning | Collection Date: 11/17/2010 8:15:00 AM |
| Lab ID: 1011147-013 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 22:40 | GK |
| Surr: 4-Bromofluorobenzene | 94.8 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 22:40 | GK |
| Surr: Dibromofluoromethane | 110 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 22:40 | GK |
| Surr: Toluene-d8 | 95.8 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 22:40 | GK |

Qualifiers:

- * 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: 2-Dec-10

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-15 |
| Project: Owens Corning | Collection Date: 11/18/2010 10:15:00 AM |
| Lab ID: 1011147-014 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| 1,1-Dichloroethene | 260 | 50 | | ug/L | 138510 | 10 | 11/23/2010 15:42 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 15:12 | GK |
| Surr: 4-Bromofluorobenzene | 93.5 | 64.7-130 | | %REC | 138510 | 10 | 11/23/2010 15:42 | GK |
| Surr: 4-Bromofluorobenzene | 94 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 15:12 | GK |
| Surr: Dibromofluoromethane | 111 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 15:12 | GK |
| Surr: Dibromofluoromethane | 111 | 80.7-129 | | %REC | 138510 | 10 | 11/23/2010 15:42 | GK |
| Surr: Toluene-d8 | 99.6 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 15:12 | GK |
| Surr: Toluene-d8 | 98.9 | 71.1-120 | | %REC | 138510 | 10 | 11/23/2010 15:42 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-16 |
| Project: Owens Corning | Collection Date: 11/18/2010 8:20:00 AM |
| Lab ID: 1011147-015 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:10 | GK |
| Surr: 4-Bromofluorobenzene | 95.4 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 23:10 | GK |
| Surr: Dibromofluoromethane | 111 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 23:10 | GK |
| Surr: Toluene-d8 | 97.9 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 23:10 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-17 |
| Project: Owens Corning | Collection Date: 11/16/2010 11:24:00 AM |
| Lab ID: 1011147-016 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 23:39 | GK |
| Surr: 4-Bromofluorobenzene | 95 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 23:39 | GK |
| Surr: Dibromofluoromethane | 115 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 23:39 | GK |
| Surr: Toluene-d8 | 99.3 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 23:39 | GK |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-18 |
| Project: Owens Corning | Collection Date: 11/15/2010 3:05:00 PM |
| Lab ID: 1011147-017 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:09 | GK |
| Surr: 4-Bromofluorobenzene | 92.5 | 64.7-130 | | %REC | 138510 | 1 | 11/24/2010 00:09 | GK |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138510 | 1 | 11/24/2010 00:09 | GK |
| Surr: Toluene-d8 | 99.7 | 71.1-120 | | %REC | 138510 | 1 | 11/24/2010 00:09 | GK |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-19 |
| Project: Owens Corning | Collection Date: 11/17/2010 9:45:00 AM |
| Lab ID: 1011147-018 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| 1,1-Dichloroethene | 290 | 50 | | ug/L | 138510 | 10 | 11/23/2010 16:42 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| Chloroform | 8.2 | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| 1,2-Dichloroethane | 6.8 | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/23/2010 16:12 | GK |
| Surr: 4-Bromofluorobenzene | 93.6 | 64.7-130 | | %REC | 138510 | 10 | 11/23/2010 16:42 | GK |
| Surr: 4-Bromofluorobenzene | 95.6 | 64.7-130 | | %REC | 138510 | 1 | 11/23/2010 16:12 | GK |
| Surr: Dibromofluoromethane | 109 | 80.7-129 | | %REC | 138510 | 1 | 11/23/2010 16:12 | GK |
| Surr: Dibromofluoromethane | 110 | 80.7-129 | | %REC | 138510 | 10 | 11/23/2010 16:42 | GK |
| Surr: Toluene-d8 | 97.8 | 71.1-120 | | %REC | 138510 | 1 | 11/23/2010 16:12 | GK |
| Surr: Toluene-d8 | 96.6 | 71.1-120 | | %REC | 138510 | 10 | 11/23/2010 16:42 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-20 |
| Project: Owens Corning | Collection Date: 11/15/2010 5:15:00 PM |
| Lab ID: 1011147-019 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| 1,1-Dichloroethene | 290 | 50 | | ug/L | 138510 | 10 | 11/24/2010 11:34 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| Chloroform | 40 | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| Carbon tetrachloride | 88 | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| 1,2-Dichloroethane | 15 | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 00:39 | GK |
| Surr: 4-Bromofluorobenzene | 92.8 | 64.7-130 | | %REC | 138510 | 1 | 11/24/2010 00:39 | GK |
| Surr: 4-Bromofluorobenzene | 95.2 | 64.7-130 | | %REC | 138510 | 10 | 11/24/2010 11:34 | GK |
| Surr: Dibromofluoromethane | 112 | 80.7-129 | | %REC | 138510 | 10 | 11/24/2010 11:34 | GK |
| Surr: Dibromofluoromethane | 116 | 80.7-129 | | %REC | 138510 | 1 | 11/24/2010 00:39 | GK |
| Surr: Toluene-d8 | 98.8 | 71.1-120 | | %REC | 138510 | 1 | 11/24/2010 00:39 | GK |
| Surr: Toluene-d8 | 99.2 | 71.1-120 | | %REC | 138510 | 10 | 11/24/2010 11:34 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-21 |
| Project: Owens Corning | Collection Date: 11/18/2010 8:15:00 AM |
| Lab ID: 1011147-020 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138510 | 1 | 11/24/2010 01:09 | GK |
| Surr: 4-Bromofluorobenzene | 94.4 | 64.7-130 | | %REC | 138510 | 1 | 11/24/2010 01:09 | GK |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138510 | 1 | 11/24/2010 01:09 | GK |
| Surr: Toluene-d8 | 98.9 | 71.1-120 | | %REC | 138510 | 1 | 11/24/2010 01:09 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-22 |
| Project: Owens Corning | Collection Date: 11/17/2010 9:48:00 AM |
| Lab ID: 1011147-021 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| 1,1-Dichloroethene | 420 | 50 | | ug/L | 138544 | 10 | 11/24/2010 13:04 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| Chloroform | 15 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| Carbon tetrachloride | 25 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 12:34 | GK |
| Surr: 4-Bromofluorobenzene | 93.6 | 64.7-130 | | %REC | 138544 | 1 | 11/24/2010 12:34 | GK |
| Surr: 4-Bromofluorobenzene | 95.9 | 64.7-130 | | %REC | 138544 | 10 | 11/24/2010 13:04 | GK |
| Surr: Dibromofluoromethane | 112 | 80.7-129 | | %REC | 138544 | 10 | 11/24/2010 13:04 | GK |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138544 | 1 | 11/24/2010 12:34 | GK |
| Surr: Toluene-d8 | 97.9 | 71.1-120 | | %REC | 138544 | 10 | 11/24/2010 13:04 | GK |
| Surr: Toluene-d8 | 99.4 | 71.1-120 | | %REC | 138544 | 1 | 11/24/2010 12:34 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

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|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-24 |
| Project: Owens Corning | Collection Date: 11/18/2010 12:10:00 PM |
| Lab ID: 1011147-022 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| 1,1-Dichloroethene | 120 | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| Chloroform | 15 | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| Carbon tetrachloride | 6.3 | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:24 | JT |
| Surr: 4-Bromofluorobenzene | 93.6 | 64.7-130 | | %REC | 138544 | 1 | 11/22/2010 17:24 | JT |
| Surr: Dibromofluoromethane | 96.9 | 80.7-129 | | %REC | 138544 | 1 | 11/22/2010 17:24 | JT |
| Surr: Toluene-d8 | 93.3 | 71.1-120 | | %REC | 138544 | 1 | 11/22/2010 17:24 | JT |

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|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

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|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-25 |
| Project: Owens Corning | Collection Date: 11/18/2010 10:05:00 AM |
| Lab ID: 1011147-023 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 17:53 | JT |
| Surr: 4-Bromofluorobenzene | 95.6 | 64.7-130 | | %REC | 138544 | 1 | 11/22/2010 17:53 | JT |
| Surr: Dibromofluoromethane | 98 | 80.7-129 | | %REC | 138544 | 1 | 11/22/2010 17:53 | JT |
| Surr: Toluene-d8 | 93.3 | 71.1-120 | | %REC | 138544 | 1 | 11/22/2010 17:53 | JT |

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|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-26 |
| Project: Owens Corning | Collection Date: 11/17/2010 3:55:00 PM |
| Lab ID: 1011147-024 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:21 | JT |
| Surr: 4-Bromofluorobenzene | 93.2 | 64.7-130 | | %REC | 138544 | 1 | 11/22/2010 18:21 | JT |
| Surr: Dibromofluoromethane | 97.8 | 80.7-129 | | %REC | 138544 | 1 | 11/22/2010 18:21 | JT |
| Surr: Toluene-d8 | 92.4 | 71.1-120 | | %REC | 138544 | 1 | 11/22/2010 18:21 | JT |

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|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-27 |
| Project: Owens Corning | Collection Date: 11/15/2010 5:20:00 PM |
| Lab ID: 1011147-025 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| 1,1-Dichloroethene | 160 | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| Chloroform | 9.6 | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 18:50 | JT |
| Surr: 4-Bromofluorobenzene | 91.6 | 64.7-130 | | %REC | 138544 | 1 | 11/22/2010 18:50 | JT |
| Surr: Dibromofluoromethane | 96.7 | 80.7-129 | | %REC | 138544 | 1 | 11/22/2010 18:50 | JT |
| Surr: Toluene-d8 | 93.5 | 71.1-120 | | %REC | 138544 | 1 | 11/22/2010 18:50 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-28 |
| Project: Owens Corning | Collection Date: 11/19/2010 1:26:00 PM |
| Lab ID: 1011147-026 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 1000 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| 1,1-Dichloroethene | 98000 | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| Methylene chloride | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| trans-1,2-Dichloroethene | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| 1,1-Dichloroethane | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| cis-1,2-Dichloroethene | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| Chloroform | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| 1,1,1-Trichloroethane | 170000 | 5000 | | ug/L | 138544 | 1000 | 11/24/2010 10:09 | SB |
| Carbon tetrachloride | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| Benzene | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| 1,2-Dichloroethane | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| Trichloroethene | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| Toluene | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| Tetrachloroethene | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| Ethylbenzene | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| Xylenes, Total | BRL | 2500 | | ug/L | 138544 | 500 | 11/23/2010 21:49 | SB |
| Surr: 4-Bromofluorobenzene | 98.9 | 64.7-130 | | %REC | 138544 | 500 | 11/23/2010 21:49 | SB |
| Surr: 4-Bromofluorobenzene | 96.3 | 64.7-130 | | %REC | 138544 | 1000 | 11/24/2010 10:09 | SB |
| Surr: Dibromofluoromethane | 103 | 80.7-129 | | %REC | 138544 | 500 | 11/23/2010 21:49 | SB |
| Surr: Dibromofluoromethane | 109 | 80.7-129 | | %REC | 138544 | 1000 | 11/24/2010 10:09 | SB |
| Surr: Toluene-d8 | 96.4 | 71.1-120 | | %REC | 138544 | 500 | 11/23/2010 21:49 | SB |
| Surr: Toluene-d8 | 97.7 | 71.1-120 | | %REC | 138544 | 1000 | 11/24/2010 10:09 | SB |

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|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

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|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-29 R Z3 |
| Project: Owens Corning | Collection Date: 11/16/2010 3:50:00 PM |
| Lab ID: 1011147-027 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| 1,1-Dichloroethene | 370 | 50 | | ug/L | 138544 | 10 | 11/24/2010 14:04 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| Chloroform | 14 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| Carbon tetrachloride | 15 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:34 | GK |
| Surr: 4-Bromofluorobenzene | 89.7 | 64.7-130 | | %REC | 138544 | 1 | 11/24/2010 13:34 | GK |
| Surr: 4-Bromofluorobenzene | 97.3 | 64.7-130 | | %REC | 138544 | 10 | 11/24/2010 14:04 | GK |
| Surr: Dibromofluoromethane | 112 | 80.7-129 | | %REC | 138544 | 10 | 11/24/2010 14:04 | GK |
| Surr: Dibromofluoromethane | 112 | 80.7-129 | | %REC | 138544 | 1 | 11/24/2010 13:34 | GK |
| Surr: Toluene-d8 | 97.8 | 71.1-120 | | %REC | 138544 | 1 | 11/24/2010 13:34 | GK |
| Surr: Toluene-d8 | 96.9 | 71.1-120 | | %REC | 138544 | 10 | 11/24/2010 14:04 | GK |

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|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

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|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-30 |
| Project: Owens Corning | Collection Date: 11/19/2010 11:20:00 AM |
| Lab ID: 1011147-028 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| 1,1-Dichloroethene | 5200 | 250 | | ug/L | 138544 | 50 | 11/24/2010 10:37 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| 1,1-Dichloroethane | 20 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| Chloroform | 6.8 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| Carbon tetrachloride | 170 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| 1,2-Dichloroethane | 24 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| Trichloroethene | 5.8 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:23 | SB |
| Surr: 4-Bromofluorobenzene | 95 | 64.7-130 | | %REC | 138544 | 50 | 11/24/2010 10:37 | SB |
| Surr: 4-Bromofluorobenzene | 93.6 | 64.7-130 | | %REC | 138544 | 1 | 11/24/2010 02:23 | SB |
| Surr: Dibromofluoromethane | 108 | 80.7-129 | | %REC | 138544 | 50 | 11/24/2010 10:37 | SB |
| Surr: Dibromofluoromethane | 105 | 80.7-129 | | %REC | 138544 | 1 | 11/24/2010 02:23 | SB |
| Surr: Toluene-d8 | 100 | 71.1-120 | | %REC | 138544 | 50 | 11/24/2010 10:37 | SB |
| Surr: Toluene-d8 | 94.9 | 71.1-120 | | %REC | 138544 | 1 | 11/24/2010 02:23 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-29R Z4 |
| Project: Owens Corning | Collection Date: 11/16/2010 4:30:00 PM |
| Lab ID: 1011147-029 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| 1,1-Dichloroethene | 360 | 50 | | ug/L | 138544 | 10 | 11/23/2010 22:44 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| Chloroform | 13 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| Carbon tetrachloride | 12 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 02:51 | SB |
| Surr: 4-Bromofluorobenzene | 95.8 | 64.7-130 | | %REC | 138544 | 10 | 11/23/2010 22:44 | SB |
| Surr: 4-Bromofluorobenzene | 98.5 | 64.7-130 | | %REC | 138544 | 1 | 11/24/2010 02:51 | SB |
| Surr: Dibromofluoromethane | 99.7 | 80.7-129 | | %REC | 138544 | 1 | 11/24/2010 02:51 | SB |
| Surr: Dibromofluoromethane | 100 | 80.7-129 | | %REC | 138544 | 10 | 11/23/2010 22:44 | SB |
| Surr: Toluene-d8 | 94.6 | 71.1-120 | | %REC | 138544 | 1 | 11/24/2010 02:51 | SB |
| Surr: Toluene-d8 | 96.3 | 71.1-120 | | %REC | 138544 | 10 | 11/23/2010 22:44 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

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|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-31 |
| Project: Owens Corning | Collection Date: 11/19/2010 9:35:00 AM |
| Lab ID: 1011147-030 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| 1,1-Dichloroethene | 4300 | 250 | | ug/L | 138544 | 50 | 11/25/2010 05:10 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| 1,1-Dichloroethane | 15 | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| Carbon tetrachloride | 49 | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| 1,2-Dichloroethane | 18 | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| Tetrachloroethene | 6.0 | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/26/2010 16:08 | SB |
| Surr: 4-Bromofluorobenzene | 101 | 64.7-130 | | %REC | 138544 | 50 | 11/25/2010 05:10 | SB |
| Surr: 4-Bromofluorobenzene | 94.2 | 64.7-130 | | %REC | 138544 | 1 | 11/26/2010 16:08 | SB |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138544 | 50 | 11/25/2010 05:10 | SB |
| Surr: Dibromofluoromethane | 111 | 80.7-129 | | %REC | 138544 | 1 | 11/26/2010 16:08 | SB |
| Surr: Toluene-d8 | 98.4 | 71.1-120 | | %REC | 138544 | 1 | 11/26/2010 16:08 | SB |
| Surr: Toluene-d8 | 101 | 71.1-120 | | %REC | 138544 | 50 | 11/25/2010 05:10 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-32 |
| Project: Owens Corning | Collection Date: 11/16/2010 3:50:00 PM |
| Lab ID: 1011147-031 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| 1,1-Dichloroethene | 40 | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| 1,1-Dichloroethane | 17 | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| 1,1,1-Trichloroethane | 22 | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:18 | JT |
| Surr: 4-Bromofluorobenzene | 91.9 | 64.7-130 | | %REC | 138544 | 1 | 11/22/2010 19:18 | JT |
| Surr: Dibromofluoromethane | 99.3 | 80.7-129 | | %REC | 138544 | 1 | 11/22/2010 19:18 | JT |
| Surr: Toluene-d8 | 93.5 | 71.1-120 | | %REC | 138544 | 1 | 11/22/2010 19:18 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-35 |
| Project: Owens Corning | Collection Date: 11/18/2010 2:50:00 PM |
| Lab ID: 1011147-032 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| 1,1-Dichloroethene | 490 | 50 | | ug/L | 138544 | 10 | 11/24/2010 13:34 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 13:06 | SB |
| Surr: 4-Bromofluorobenzene | 93.4 | 64.7-130 | | %REC | 138544 | 1 | 11/24/2010 13:06 | SB |
| Surr: 4-Bromofluorobenzene | 98.7 | 64.7-130 | | %REC | 138544 | 10 | 11/24/2010 13:34 | SB |
| Surr: Dibromofluoromethane | 104 | 80.7-129 | | %REC | 138544 | 10 | 11/24/2010 13:34 | SB |
| Surr: Dibromofluoromethane | 105 | 80.7-129 | | %REC | 138544 | 1 | 11/24/2010 13:06 | SB |
| Surr: Toluene-d8 | 95.2 | 71.1-120 | | %REC | 138544 | 10 | 11/24/2010 13:34 | SB |
| Surr: Toluene-d8 | 98.8 | 71.1-120 | | %REC | 138544 | 1 | 11/24/2010 13:06 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-36 Z1 |
| Project: Owens Corning | Collection Date: 11/16/2010 9:40:00 AM |
| Lab ID: 1011147-033 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 19:47 | JT |
| Surr: 4-Bromofluorobenzene | 91.1 | 64.7-130 | | %REC | 138544 | 1 | 11/22/2010 19:47 | JT |
| Surr: Dibromofluoromethane | 98.4 | 80.7-129 | | %REC | 138544 | 1 | 11/22/2010 19:47 | JT |
| Surr: Toluene-d8 | 94.1 | 71.1-120 | | %REC | 138544 | 1 | 11/22/2010 19:47 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

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|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-36 Z5 |
| Project: Owens Corning | Collection Date: 11/16/2010 11:50:00 AM |
| Lab ID: 1011147-034 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:16 | JT |
| Surr: 4-Bromofluorobenzene | 91.7 | 64.7-130 | | %REC | 138544 | 1 | 11/22/2010 20:16 | JT |
| Surr: Dibromofluoromethane | 97.9 | 80.7-129 | | %REC | 138544 | 1 | 11/22/2010 20:16 | JT |
| Surr: Toluene-d8 | 93.6 | 71.1-120 | | %REC | 138544 | 1 | 11/22/2010 20:16 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-37 Z1 |
| Project: Owens Corning | Collection Date: 11/17/2010 10:00:00 AM |
| Lab ID: 1011147-035 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| 1,1-Dichloroethene | 74 | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 20:44 | JT |
| Surr: 4-Bromofluorobenzene | 93.1 | 64.7-130 | | %REC | 138544 | 1 | 11/22/2010 20:44 | JT |
| Surr: Dibromofluoromethane | 98.5 | 80.7-129 | | %REC | 138544 | 1 | 11/22/2010 20:44 | JT |
| Surr: Toluene-d8 | 95.6 | 71.1-120 | | %REC | 138544 | 1 | 11/22/2010 20:44 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Analytical Environmental Services, Inc

Date: 2-Dec-10

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-37 Z2 |
| Project: Owens Corning | Collection Date: 11/17/2010 12:30:00 PM |
| Lab ID: 1011147-036 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| 1,1-Dichloroethene | 340 | 50 | | ug/L | 138544 | 10 | 11/24/2010 14:29 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| Chloroform | 9.2 | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:01 | SB |
| Surr: 4-Bromofluorobenzene | 92.5 | 64.7-130 | | %REC | 138544 | 10 | 11/24/2010 14:29 | SB |
| Surr: 4-Bromofluorobenzene | 94.7 | 64.7-130 | | %REC | 138544 | 1 | 11/24/2010 14:01 | SB |
| Surr: Dibromofluoromethane | 107 | 80.7-129 | | %REC | 138544 | 1 | 11/24/2010 14:01 | SB |
| Surr: Dibromofluoromethane | 109 | 80.7-129 | | %REC | 138544 | 10 | 11/24/2010 14:29 | SB |
| Surr: Toluene-d8 | 97.6 | 71.1-120 | | %REC | 138544 | 1 | 11/24/2010 14:01 | SB |
| Surr: Toluene-d8 | 98.1 | 71.1-120 | | %REC | 138544 | 10 | 11/24/2010 14:29 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-37 Z3 |
| Project: Owens Corning | Collection Date: 11/17/2010 3:25:00 PM |
| Lab ID: 1011147-037 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| 1,1-Dichloroethene | 6.7 | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/22/2010 21:12 | JT |
| Surr: 4-Bromofluorobenzene | 91 | 64.7-130 | | %REC | 138544 | 1 | 11/22/2010 21:12 | JT |
| Surr: Dibromofluoromethane | 99.4 | 80.7-129 | | %REC | 138544 | 1 | 11/22/2010 21:12 | JT |
| Surr: Toluene-d8 | 93.4 | 71.1-120 | | %REC | 138544 | 1 | 11/22/2010 21:12 | JT |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-38 Z1 |
| Project: Owens Corning | Collection Date: 11/17/2010 5:50:00 PM |
| Lab ID: 1011147-038 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:29 | SB |
| Surr: 4-Bromofluorobenzene | 96.7 | 64.7-130 | | %REC | 138544 | 1 | 11/24/2010 01:29 | SB |
| Surr: Dibromofluoromethane | 102 | 80.7-129 | | %REC | 138544 | 1 | 11/24/2010 01:29 | SB |
| Surr: Toluene-d8 | 96.2 | 71.1-120 | | %REC | 138544 | 1 | 11/24/2010 01:29 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-38 Z2 |
| Project: Owens Corning | Collection Date: 11/19/2010 9:35:00 AM |
| Lab ID: 1011147-039 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 01:56 | SB |
| Surr: 4-Bromofluorobenzene | 102 | 64.7-130 | | %REC | 138544 | 1 | 11/24/2010 01:56 | SB |
| Surr: Dibromofluoromethane | 101 | 80.7-129 | | %REC | 138544 | 1 | 11/24/2010 01:56 | SB |
| Surr: Toluene-d8 | 99.1 | 71.1-120 | | %REC | 138544 | 1 | 11/24/2010 01:56 | SB |

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|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-41 Z1 |
| Project: Owens Corning | Collection Date: 11/18/2010 3:45:00 PM |
| Lab ID: 1011147-040 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| 1,1-Dichloroethene | 300 | 50 | | ug/L | 138544 | 10 | 11/24/2010 15:25 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138544 | 1 | 11/24/2010 14:57 | SB |
| Surr: 4-Bromofluorobenzene | 89.9 | 64.7-130 | | %REC | 138544 | 10 | 11/24/2010 15:25 | SB |
| Surr: 4-Bromofluorobenzene | 96 | 64.7-130 | | %REC | 138544 | 1 | 11/24/2010 14:57 | SB |
| Surr: Dibromofluoromethane | 109 | 80.7-129 | | %REC | 138544 | 10 | 11/24/2010 15:25 | SB |
| Surr: Dibromofluoromethane | 114 | 80.7-129 | | %REC | 138544 | 1 | 11/24/2010 14:57 | SB |
| Surr: Toluene-d8 | 96.4 | 71.1-120 | | %REC | 138544 | 1 | 11/24/2010 14:57 | SB |
| Surr: Toluene-d8 | 96.1 | 71.1-120 | | %REC | 138544 | 10 | 11/24/2010 15:25 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-41 Z2 |
| Project: Owens Corning | Collection Date: 11/18/2010 3:00:00 PM |
| Lab ID: 1011147-041 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| 1,1-Dichloroethene | 530 | 50 | | ug/L | 138525 | 10 | 11/23/2010 11:27 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:12 | NK |
| Surr: 4-Bromofluorobenzene | 91.4 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 03:12 | NK |
| Surr: 4-Bromofluorobenzene | 91.3 | 64.7-130 | | %REC | 138525 | 10 | 11/23/2010 11:27 | NK |
| Surr: Dibromofluoromethane | 104 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 03:12 | NK |
| Surr: Dibromofluoromethane | 108 | 80.7-129 | | %REC | 138525 | 10 | 11/23/2010 11:27 | NK |
| Surr: Toluene-d8 | 99.6 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 03:12 | NK |
| Surr: Toluene-d8 | 98.5 | 71.1-120 | | %REC | 138525 | 10 | 11/23/2010 11:27 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-41 Z3 |
| Project: Owens Corning | Collection Date: 11/18/2010 12:15:00 PM |
| Lab ID: 1011147-042 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| 1,1-Dichloroethene | 180 | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 23:09 | NK |
| Surr: 4-Bromofluorobenzene | 90.6 | 64.7-130 | | %REC | 138525 | 1 | 11/22/2010 23:09 | NK |
| Surr: Dibromofluoromethane | 107 | 80.7-129 | | %REC | 138525 | 1 | 11/22/2010 23:09 | NK |
| Surr: Toluene-d8 | 98.3 | 71.1-120 | | %REC | 138525 | 1 | 11/22/2010 23:09 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: 117 FAYE DRIVE |
| Project: Owens Corning | Collection Date: 11/16/2010 1:45:00 PM |
| Lab ID: 1011147-043 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 03:39 | NK |
| Surr: 4-Bromofluorobenzene | 92.6 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 03:39 | NK |
| Surr: Dibromofluoromethane | 104 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 03:39 | NK |
| Surr: Toluene-d8 | 101 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 03:39 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: 134 FRIENDSHIP LANE |
| Project: Owens Corning | Collection Date: 11/16/2010 10:05:00 AM |
| Lab ID: 1011147-044 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:06 | NK |
| Surr: 4-Bromofluorobenzene | 88.3 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 04:06 | NK |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 04:06 | NK |
| Surr: Toluene-d8 | 87.4 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 04:06 | NK |

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|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: 200 FRIENDSHIP LANE |
| Project: Owens Corning | Collection Date: 11/16/2010 10:20:00 AM |
| Lab ID: 1011147-045 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 04:33 | NK |
| Surr: 4-Bromofluorobenzene | 90.3 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 04:33 | NK |
| Surr: Dibromofluoromethane | 108 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 04:33 | NK |
| Surr: Toluene-d8 | 93.9 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 04:33 | NK |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: 200 KAYE DR |
| Project: Owens Corning | Collection Date: 11/16/2010 11:55:00 AM |
| Lab ID: 1011147-046 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:00 | NK |
| Surr: 4-Bromofluorobenzene | 87.5 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 05:00 | NK |
| Surr: Dibromofluoromethane | 111 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 05:00 | NK |
| Surr: Toluene-d8 | 95.5 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 05:00 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: 303 KAYE DR |
| Project: Owens Corning | Collection Date: 11/16/2010 12:10:00 PM |
| Lab ID: 1011147-047 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:26 | NK |
| Surr: 4-Bromofluorobenzene | 87 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 05:26 | NK |
| Surr: Dibromofluoromethane | 112 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 05:26 | NK |
| Surr: Toluene-d8 | 96 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 05:26 | NK |

Qualifiers:

- * 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

Client: BROWN AND CALDWELL
Project: Owens Corning
Lab ID: 1011147-048

Client Sample ID: 412 KAYE DR
Collection Date: 11/16/2010 1:35:00 PM
Matrix: Groundwater

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 05:53 | NK |
| Surr: 4-Bromofluorobenzene | 87 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 05:53 | NK |
| Surr: Dibromofluoromethane | 107 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 05:53 | NK |
| Surr: Toluene-d8 | 98 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 05:53 | NK |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: 335 ELROD RD |
| Project: Owens Corning | Collection Date: 11/16/2010 11:15:00 AM |
| Lab ID: 1011147-049 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:21 | NK |
| Surr: 4-Bromofluorobenzene | 89.3 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 06:21 | NK |
| Surr: Dibromofluoromethane | 106 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 06:21 | NK |
| Surr: Toluene-d8 | 96.4 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 06:21 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: 408 CLINKSCALES RD |
| Project: Owens Corning | Collection Date: 11/16/2010 10:50:00 AM |
| Lab ID: 1011147-050 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 08:09 | NK |
| Surr: 4-Bromofluorobenzene | 89.6 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 08:09 | NK |
| Surr: Dibromofluoromethane | 107 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 08:09 | NK |
| Surr: Toluene-d8 | 100 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 08:09 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: 605 CLINKSCALES RD |
| Project: Owens Corning | Collection Date: 11/16/2010 9:50:00 AM |
| Lab ID: 1011147-051 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 06:48 | NK |
| Surr: 4-Bromofluorobenzene | 87.2 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 06:48 | NK |
| Surr: Dibromofluoromethane | 105 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 06:48 | NK |
| Surr: Toluene-d8 | 96 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 06:48 | NK |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: 721 CLINKSCALES RD |
| Project: Owens Corning | Collection Date: 11/16/2010 10:35:00 AM |
| Lab ID: 1011147-052 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:15 | NK |
| Surr: 4-Bromofluorobenzene | 89.7 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 07:15 | NK |
| Surr: Dibromofluoromethane | 106 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 07:15 | NK |
| Surr: Toluene-d8 | 100 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 07:15 | NK |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: 1303 CLINKSCALES RD |
| Project: Owens Corning | Collection Date: 11/16/2010 11:05:00 AM |
| Lab ID: 1011147-053 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 07:42 | NK |
| Surr: 4-Bromofluorobenzene | 87.4 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 07:42 | NK |
| Surr: Dibromofluoromethane | 107 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 07:42 | NK |
| Surr: Toluene-d8 | 100 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 07:42 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: DUP-111710 |
| Project: Owens Corning | Collection Date: 11/17/2010 12:00:00 PM |
| Lab ID: 1011147-054 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | 2.1 | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| 1,1-Dichloroethene | 370 | 250 | | ug/L | 138525 | 50 | 11/22/2010 19:33 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| Chloroform | 15 | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| Carbon tetrachloride | 12 | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 09:38 | NK |
| Surr: 4-Bromofluorobenzene | 91.2 | 64.7-130 | | %REC | 138525 | 50 | 11/22/2010 19:33 | NK |
| Surr: 4-Bromofluorobenzene | 88.1 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 09:38 | NK |
| Surr: Dibromofluoromethane | 102 | 80.7-129 | | %REC | 138525 | 50 | 11/22/2010 19:33 | NK |
| Surr: Dibromofluoromethane | 110 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 09:38 | NK |
| Surr: Toluene-d8 | 97.2 | 71.1-120 | | %REC | 138525 | 50 | 11/22/2010 19:33 | NK |
| Surr: Toluene-d8 | 98.4 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 09:38 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: DUP-111710A |
| Project: Owens Corning | Collection Date: 11/17/2010 12:00:00 PM |
| Lab ID: 1011147-055 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| 1,1-Dichloroethene | 460 | 250 | | ug/L | 138525 | 50 | 11/22/2010 20:54 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| Chloroform | 10 | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:05 | NK |
| Surr: 4-Bromofluorobenzene | 88.1 | 64.7-130 | | %REC | 138525 | 50 | 11/22/2010 20:54 | NK |
| Surr: 4-Bromofluorobenzene | 89.3 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 10:05 | NK |
| Surr: Dibromofluoromethane | 106 | 80.7-129 | | %REC | 138525 | 50 | 11/22/2010 20:54 | NK |
| Surr: Dibromofluoromethane | 110 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 10:05 | NK |
| Surr: Toluene-d8 | 96.3 | 71.1-120 | | %REC | 138525 | 50 | 11/22/2010 20:54 | NK |
| Surr: Toluene-d8 | 98.1 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 10:05 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: DUP-111810 |
| Project: Owens Corning | Collection Date: 11/18/2010 12:00:00 PM |
| Lab ID: 1011147-056 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| 1,1-Dichloroethene | 460 | 250 | | ug/L | 138525 | 50 | 11/22/2010 21:21 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 10:33 | NK |
| Surr: 4-Bromofluorobenzene | 86.3 | 64.7-130 | | %REC | 138525 | 50 | 11/22/2010 21:21 | NK |
| Surr: 4-Bromofluorobenzene | 89 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 10:33 | NK |
| Surr: Dibromofluoromethane | 104 | 80.7-129 | | %REC | 138525 | 50 | 11/22/2010 21:21 | NK |
| Surr: Dibromofluoromethane | 109 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 10:33 | NK |
| Surr: Toluene-d8 | 97.8 | 71.1-120 | | %REC | 138525 | 50 | 11/22/2010 21:21 | NK |
| Surr: Toluene-d8 | 100 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 10:33 | NK |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: EB-111510 |
| Project: Owens Corning | Collection Date: 11/15/2010 5:40:00 PM |
| Lab ID: 1011147-057 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:15 | NK |
| Surr: 4-Bromofluorobenzene | 91.6 | 64.7-130 | | %REC | 138525 | 1 | 11/22/2010 22:15 | NK |
| Surr: Dibromofluoromethane | 104 | 80.7-129 | | %REC | 138525 | 1 | 11/22/2010 22:15 | NK |
| Surr: Toluene-d8 | 97.8 | 71.1-120 | | %REC | 138525 | 1 | 11/22/2010 22:15 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: EB-111610 |
| Project: Owens Corning | Collection Date: 11/16/2010 4:00:00 PM |
| Lab ID: 1011147-058 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/22/2010 22:41 | NK |
| Surr: 4-Bromofluorobenzene | 89.3 | 64.7-130 | | %REC | 138525 | 1 | 11/22/2010 22:41 | NK |
| Surr: Dibromofluoromethane | 111 | 80.7-129 | | %REC | 138525 | 1 | 11/22/2010 22:41 | NK |
| Surr: Toluene-d8 | 98.4 | 71.1-120 | | %REC | 138525 | 1 | 11/22/2010 22:41 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: EB-111710 |
| Project: Owens Corning | Collection Date: 11/17/2010 10:35:00 AM |
| Lab ID: 1011147-059 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:45 | NK |
| Surr: 4-Bromofluorobenzene | 90.3 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 02:45 | NK |
| Surr: Dibromofluoromethane | 108 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 02:45 | NK |
| Surr: Toluene-d8 | 100 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 02:45 | NK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: EB-111810 |
| Project: Owens Corning | Collection Date: 11/18/2010 4:15:00 PM |
| Lab ID: 1011147-060 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| Chloroform | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| Benzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| Toluene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138525 | 1 | 11/23/2010 02:18 | NK |
| Surr: 4-Bromofluorobenzene | 92 | 64.7-130 | | %REC | 138525 | 1 | 11/23/2010 02:18 | NK |
| Surr: Dibromofluoromethane | 107 | 80.7-129 | | %REC | 138525 | 1 | 11/23/2010 02:18 | NK |
| Surr: Toluene-d8 | 99.5 | 71.1-120 | | %REC | 138525 | 1 | 11/23/2010 02:18 | NK |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: EB-111910 |
| Project: Owens Corning | Collection Date: 11/19/2010 12:30:00 PM |
| Lab ID: 1011147-061 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:38 | GK |
| Surr: 4-Bromofluorobenzene | 93.4 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 01:38 | GK |
| Surr: Dibromofluoromethane | 108 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 01:38 | GK |
| Surr: Toluene-d8 | 94.3 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 01:38 | GK |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: SW-1 |
| Project: Owens Corning | Collection Date: 11/15/2010 1:15:00 PM |
| Lab ID: 1011147-062 | Matrix: Surface Water |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| 1,1-Dichloroethene | 12 | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:08 | GK |
| Surr: 4-Bromofluorobenzene | 93.6 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 02:08 | GK |
| Surr: Dibromofluoromethane | 111 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 02:08 | GK |
| Surr: Toluene-d8 | 98.7 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 02:08 | GK |

Qualifiers:

- * 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

Client: BROWN AND CALDWELL
Project: Owens Corning
Lab ID: 1011147-063

Client Sample ID: SW-3
Collection Date: 11/15/2010 4:15:00 PM
Matrix: Surface Water

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 02:38 | GK |
| Surr: 4-Bromofluorobenzene | 92.7 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 02:38 | GK |
| Surr: Dibromofluoromethane | 117 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 02:38 | GK |
| Surr: Toluene-d8 | 98.7 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 02:38 | GK |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: SW-3A |
| Project: Owens Corning | Collection Date: 11/15/2010 4:00:00 PM |
| Lab ID: 1011147-064 | Matrix: Surface Water |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:08 | GK |
| Surr: 4-Bromofluorobenzene | 93.2 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 03:08 | GK |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 03:08 | GK |
| Surr: Toluene-d8 | 98.5 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 03:08 | GK |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: SW-3B |
| Project: Owens Corning | Collection Date: 11/15/2010 3:45:00 PM |
| Lab ID: 1011147-065 | Matrix: Surface Water |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | 7.9 | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| 1,1-Dichloroethene | 120 | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 03:38 | GK |
| Surr: 4-Bromofluorobenzene | 92.1 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 03:38 | GK |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 03:38 | GK |
| Surr: Toluene-d8 | 99.7 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 03:38 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Client: BROWN AND CALDWELL
Project: Owens Corning
Lab ID: 1011147-066

Client Sample ID: SW-6
Collection Date: 11/15/2010 11:20:00 AM
Matrix: Surface Water

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| 1,1-Dichloroethene | 7.5 | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:07 | GK |
| Surr: 4-Bromofluorobenzene | 93.6 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 04:07 | GK |
| Surr: Dibromofluoromethane | 112 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 04:07 | GK |
| Surr: Toluene-d8 | 98.7 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 04:07 | GK |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: SW-10 |
| Project: Owens Corning | Collection Date: 11/15/2010 11:40:00 AM |
| Lab ID: 1011147-067 | Matrix: Surface Water |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 04:37 | GK |
| Surr: 4-Bromofluorobenzene | 94.2 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 04:37 | GK |
| Surr: Dibromofluoromethane | 114 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 04:37 | GK |
| Surr: Toluene-d8 | 100 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 04:37 | GK |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: SW-11 |
| Project: Owens Corning | Collection Date: 11/15/2010 3:00:00 PM |
| Lab ID: 1011147-068 | Matrix: Surface Water |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| 1,1-Dichloroethene | 24 | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:07 | GK |
| Surr: 4-Bromofluorobenzene | 93.2 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 05:07 | GK |
| Surr: Dibromofluoromethane | 117 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 05:07 | GK |
| Surr: Toluene-d8 | 99.2 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 05:07 | GK |

Qualifiers:

- * 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

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: SW-12 |
| Project: Owens Corning | Collection Date: 11/15/2010 2:30:00 PM |
| Lab ID: 1011147-069 | Matrix: Surface Water |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| 1,1-Dichloroethene | 21 | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 05:37 | GK |
| Surr: 4-Bromofluorobenzene | 94 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 05:37 | GK |
| Surr: Dibromofluoromethane | 114 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 05:37 | GK |
| Surr: Toluene-d8 | 99.9 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 05:37 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: SW-13 |
| Project: Owens Corning | Collection Date: 11/15/2010 2:15:00 PM |
| Lab ID: 1011147-070 | Matrix: Surface Water |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| 1,1-Dichloroethene | 13 | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:06 | GK |
| Surr: 4-Bromofluorobenzene | 92 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 06:06 | GK |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 06:06 | GK |
| Surr: Toluene-d8 | 98.3 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 06:06 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: SW-15 |
| Project: Owens Corning | Collection Date: 11/15/2010 1:30:00 PM |
| Lab ID: 1011147-071 | Matrix: Surface Water |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| 1,1-Dichloroethene | 10 | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 06:36 | GK |
| Surr: 4-Bromofluorobenzene | 95 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 06:36 | GK |
| Surr: Dibromofluoromethane | 115 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 06:36 | GK |
| Surr: Toluene-d8 | 97.8 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 06:36 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|-------------------------------------|
| Client: BROWN AND CALDWELL | Client Sample ID: DUP-111510 |
| Project: Owens Corning | Collection Date: 11/15/2010 |
| Lab ID: 1011147-072 | Matrix: Surface Water |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | 7.0 | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| 1,1-Dichloroethene | 100 | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:06 | GK |
| Surr: 4-Bromofluorobenzene | 91.3 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 07:06 | GK |
| Surr: Dibromofluoromethane | 117 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 07:06 | GK |
| Surr: Toluene-d8 | 101 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 07:06 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: TW-40 |
| Project: Owens Corning | Collection Date: 11/17/2010 5:00:00 PM |
| Lab ID: 1011147-073 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 07:36 | GK |
| Surr: 4-Bromofluorobenzene | 93.9 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 07:36 | GK |
| Surr: Dibromofluoromethane | 115 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 07:36 | GK |
| Surr: Toluene-d8 | 101 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 07:36 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: TW-41 |
| Project: Owens Corning | Collection Date: 11/17/2010 5:08:00 PM |
| Lab ID: 1011147-074 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:05 | GK |
| Surr: 4-Bromofluorobenzene | 93.5 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 08:05 | GK |
| Surr: Dibromofluoromethane | 110 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 08:05 | GK |
| Surr: Toluene-d8 | 97.6 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 08:05 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: TW-43 |
| Project: Owens Corning | Collection Date: 11/18/2010 6:00:00 PM |
| Lab ID: 1011147-075 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 08:35 | GK |
| Surr: 4-Bromofluorobenzene | 93.1 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 08:35 | GK |
| Surr: Dibromofluoromethane | 114 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 08:35 | GK |
| Surr: Toluene-d8 | 99.7 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 08:35 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: TW-44 |
| Project: Owens Corning | Collection Date: 11/17/2010 2:55:00 PM |
| Lab ID: 1011147-076 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:12 | SB |
| Surr: 4-Bromofluorobenzene | 98.8 | 64.7-130 | | %REC | 138514 | 1 | 11/23/2010 23:12 | SB |
| Surr: Dibromofluoromethane | 98.3 | 80.7-129 | | %REC | 138514 | 1 | 11/23/2010 23:12 | SB |
| Surr: Toluene-d8 | 97.1 | 71.1-120 | | %REC | 138514 | 1 | 11/23/2010 23:12 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: TW-46 |
| Project: Owens Corning | Collection Date: 11/18/2010 5:45:00 PM |
| Lab ID: 1011147-077 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| 1,1-Dichloroethene | 39 | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| Chloroform | 5.1 | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| Carbon tetrachloride | 7.2 | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/23/2010 23:39 | SB |
| Surr: 4-Bromofluorobenzene | 92.7 | 64.7-130 | | %REC | 138514 | 1 | 11/23/2010 23:39 | SB |
| Surr: Dibromofluoromethane | 97.1 | 80.7-129 | | %REC | 138514 | 1 | 11/23/2010 23:39 | SB |
| Surr: Toluene-d8 | 95.4 | 71.1-120 | | %REC | 138514 | 1 | 11/23/2010 23:39 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: ALLOY |
| Project: Owens Corning | Collection Date: 11/16/2010 4:50:00 PM |
| Lab ID: 1011147-078 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:06 | SB |
| Surr: 4-Bromofluorobenzene | 96.5 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 00:06 | SB |
| Surr: Dibromofluoromethane | 96.3 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 00:06 | SB |
| Surr: Toluene-d8 | 94.6 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 00:06 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Analytical Environmental Services, Inc

Date: 2-Dec-10

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: EW-1 (111710) |
| Project: Owens Corning | Collection Date: 11/17/2010 11:40:00 AM |
| Lab ID: 1011147-079 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--------------------------------------|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Inorganic Anions by IC E300.0 | | | | | | | | |
| Fluoride | BRL | 0.200 | | mg/L | R185434 | 1 | 11/24/2010 02:55 | GR |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Analytical Environmental Services, Inc

Date: 2-Dec-10

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: EW-1 (111810) |
| Project: Owens Corning | Collection Date: 11/18/2010 5:00:00 PM |
| Lab ID: 1011147-080 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--------------------------------------|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Inorganic Anions by IC E300.0 | | | | | | | | |
| Fluoride | BRL | 0.200 | | mg/L | R185434 | 1 | 11/24/2010 03:10 | GR |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Analytical Environmental Services, Inc

Date: 2-Dec-10

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: EW-1 (111910) |
| Project: Owens Corning | Collection Date: 11/19/2010 8:00:00 AM |
| Lab ID: 1011147-081 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--------------------------------------|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Inorganic Anions by IC E300.0 | | | | | | | | |
| Fluoride | BRL | 0.200 | | mg/L | R185434 | 1 | 11/24/2010 03:25 | GR |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Analytical Environmental Services, Inc

Date: 2-Dec-10

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: DUP-111810 A |
| Project: Owens Corning | Collection Date: 11/18/2010 6:00:00 PM |
| Lab ID: 1011147-082 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--------------------------------------|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Inorganic Anions by IC E300.0 | | | | | | | | |
| Fluoride | BRL | 0.200 | | mg/L | R185434 | 1 | 11/24/2010 05:07 | GR |

Qualifiers:

- * 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: 2-Dec-10

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: FB-111810 |
| Project: Owens Corning | Collection Date: 11/18/2010 4:30:00 PM |
| Lab ID: 1011147-083 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--------------------------------------|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Inorganic Anions by IC E300.0 | | | | | | | | |
| Fluoride | BRL | 0.200 | | mg/L | R185434 | 1 | 11/24/2010 05:22 | GR |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-42-Z2 |
| Project: Owens Corning | Collection Date: 11/19/2010 2:15:00 PM |
| Lab ID: 1011147-084 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 00:34 | SB |
| Surr: 4-Bromofluorobenzene | 98.3 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 00:34 | SB |
| Surr: Dibromofluoromethane | 101 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 00:34 | SB |
| Surr: Toluene-d8 | 95.9 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 00:34 | SB |

Qualifiers:

- * 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

| | |
|-----------------------------------|--|
| Client: BROWN AND CALDWELL | Client Sample ID: MW-42-Z1 |
| Project: Owens Corning | Collection Date: 11/19/2010 11:15:00 AM |
| Lab ID: 1011147-085 | Matrix: Groundwater |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138514 | 1 | 11/24/2010 01:01 | SB |
| Surr: 4-Bromofluorobenzene | 95.6 | 64.7-130 | | %REC | 138514 | 1 | 11/24/2010 01:01 | SB |
| Surr: Dibromofluoromethane | 103 | 80.7-129 | | %REC | 138514 | 1 | 11/24/2010 01:01 | SB |
| Surr: Toluene-d8 | 94.1 | 71.1-120 | | %REC | 138514 | 1 | 11/24/2010 01:01 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|-------------------------------------|
| Client: BROWN AND CALDWELL | Client Sample ID: TRIP BLANK |
| Project: Owens Corning | Collection Date: 11/19/2010 |
| Lab ID: 1011147-086 | Matrix: Aqueous |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 11:04 | GK |
| Surr: 4-Bromofluorobenzene | 96.6 | 64.7-130 | | %REC | 138636 | 1 | 11/24/2010 11:04 | GK |
| Surr: Dibromofluoromethane | 111 | 80.7-129 | | %REC | 138636 | 1 | 11/24/2010 11:04 | GK |
| Surr: Toluene-d8 | 99 | 71.1-120 | | %REC | 138636 | 1 | 11/24/2010 11:04 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: 119 CLOVERHILL DR |
| Project: Owens Corning | Collection Date: 11/17/2010 6:30:00 PM |
| Lab ID: 1011147-087 | Matrix: Aqueous |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| Methylene chloride | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| Chloroform | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| Benzene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| Trichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| Toluene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138636 | 1 | 11/24/2010 14:34 | GK |
| Surr: 4-Bromofluorobenzene | 95.3 | 64.7-130 | | %REC | 138636 | 1 | 11/24/2010 14:34 | GK |
| Surr: Dibromofluoromethane | 113 | 80.7-129 | | %REC | 138636 | 1 | 11/24/2010 14:34 | GK |
| Surr: Toluene-d8 | 97.3 | 71.1-120 | | %REC | 138636 | 1 | 11/24/2010 14:34 | GK |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

| | |
|-----------------------------------|---|
| Client: BROWN AND CALDWELL | Client Sample ID: SW-14 |
| Project: Owens Corning | Collection Date: 11/15/2010 2:15:00 PM |
| Lab ID: 1011147-088 | Matrix: Aqueous |

| Analyses | Result | Reporting Limit | Qual | Units | BatchID | Dilution Factor | Date Analyzed | Analyst |
|--|--------|-----------------|------|-------|---------|-----------------|------------------|---------|
| Volatile Organic Compounds by GC/MS SW8260B (SW5030B) | | | | | | | | |
| Vinyl chloride | BRL | 2.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| 1,1-Dichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| Methylene chloride | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| trans-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| 1,1-Dichloroethane | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| cis-1,2-Dichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| Chloroform | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| 1,1,1-Trichloroethane | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| Carbon tetrachloride | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| Benzene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| 1,2-Dichloroethane | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| Trichloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| Toluene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| Tetrachloroethene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| Ethylbenzene | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| Xylenes, Total | BRL | 5.0 | | ug/L | 138636 | 1 | 11/25/2010 04:15 | SB |
| Surr: 4-Bromofluorobenzene | 94.9 | 64.7-130 | | %REC | 138636 | 1 | 11/25/2010 04:15 | SB |
| Surr: Dibromofluoromethane | 108 | 80.7-129 | | %REC | 138636 | 1 | 11/25/2010 04:15 | SB |
| Surr: Toluene-d8 | 96.5 | 71.1-120 | | %REC | 138636 | 1 | 11/25/2010 04:15 | SB |

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds maximum contaminant level | E Estimated (value above quantitation range) |
| | BRL Below reporting limit | S Spike Recovery outside limits due to matrix |
| | H Holding times for preparation or analysis exceeded | Narr See case narrative |
| | N Analyte not NELAC certified | NC Not confirmed |
| | B Analyte detected in the associated method blank | < Less than Result value |
| | > Greater than Result value | |

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Brown & Caldwell

Work Order Number 1011F47

Checklist completed by M-D Signature Date 11/20/10

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)* Yes No

Cooler #1 3.8°C Cooler #2 3.4°C 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 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 submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? _____ Checked by M-D

Sample Condition: Good Other(Explain) _____

(For diffusive samples or AIHA Lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

ANALYTICAL QC SUMMARY REPORT

BatchID: 138510

Client: BROWN AND CALDWELL
 Project Name: Owens Corning
 Workorder: 1011147

| | | | | |
|----------------------|---|-----------------|---------------------------|-----------------|
| Sample ID: MB-138510 | Client ID: | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185179 |
| Sample Type: MBLK | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138510 | Analysis Date: 11/22/2010 | Seq No: 3860035 |

| 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 | 0 |
| 1,1-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Benzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon tetrachloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethylbenzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene chloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tetrachloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Toluene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vinyl chloride | BRL | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Xylenes, Total | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 48.92 | 0 | 50 | 0 | 97.8 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 51.64 | 0 | 50 | 0 | 103 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 47.04 | 0 | 50 | 0 | 94.1 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|-----------------------|---|-----------------|---------------------------|-----------------|
| Sample ID: LCS-138510 | Client ID: | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185179 |
| Sample Type: LCS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138510 | Analysis Date: 11/22/2010 | Seq No: 3860034 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|--------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 40.09 | 5.0 | 50 | 0 | 80.2 | 51 | 154 | 0 | 0 | 0 | 0 |
| Benzene | 50.73 | 5.0 | 50 | 0 | 101 | 73.6 | 129 | 0 | 0 | 0 | 0 |
| Toluene | 49.57 | 5.0 | 50 | 0 | 99.1 | 75.7 | 128 | 0 | 0 | 0 | 0 |

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 < Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 30-Nov-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011147

ANALYTICAL QC SUMMARY REPORT

BatchID: 138510

| | | | | |
|------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: LCS-138510 | Client ID: | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185179 |
| Sample Type: LCS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138510 | Analysis Date: 11/22/2010 | Seq No: 3860034 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| Trichloroethene | 52.04 | 5.0 | 50 | 0 | 104 | 73.9 | 132 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 50.28 | 0 | 50 | 0 | 101 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 50.73 | 0 | 50 | 0 | 101 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 46.48 | 0 | 50 | 0 | 93 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1011147-007AMS | Client ID: MW-7 | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185179 |
| Sample Type: MS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138510 | Analysis Date: 11/22/2010 | Seq No: 3860037 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 42440 | 2500 | 25000 | 20460 | 87.9 | 46.2 | 183 | 0 | 0 | 0 | 0 |
| Benzene | 24940 | 2500 | 25000 | 0 | 99.7 | 62.2 | 143 | 0 | 0 | 0 | 0 |
| Toluene | 24530 | 2500 | 25000 | 0 | 98.1 | 57.8 | 149 | 0 | 0 | 0 | 0 |
| Trichloroethene | 25560 | 2500 | 25000 | 0 | 102 | 70.5 | 149 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 24920 | 0 | 25000 | 0 | 99.7 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 26350 | 0 | 25000 | 0 | 105 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 23720 | 0 | 25000 | 0 | 94.9 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|-----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1011147-007AMSD | Client ID: MW-7 | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185179 |
| Sample Type: MSD | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138510 | Analysis Date: 11/22/2010 | Seq No: 3860038 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 39560 | 2500 | 25000 | 20460 | 76.4 | 46.2 | 183 | 42440 | 7.03 | 20 | 20 |
| Benzene | 23050 | 2500 | 25000 | 0 | 92.2 | 62.2 | 143 | 24940 | 7.86 | 20 | 20 |
| Toluene | 22420 | 2500 | 25000 | 0 | 89.7 | 57.8 | 149 | 24530 | 8.97 | 20 | 20 |
| Trichloroethene | 23060 | 2500 | 25000 | 0 | 92.2 | 70.5 | 149 | 25560 | 10.3 | 20 | 20 |
| Surr: 4-Bromofluorobenzene | 25070 | 0 | 25000 | 0 | 100 | 64.7 | 130 | 24920 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 26260 | 0 | 25000 | 0 | 105 | 80.7 | 129 | 26350 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 23250 | 0 | 25000 | 0 | 93 | 71.1 | 120 | 23720 | 0 | 0 | 0 |

| | | | | | | |
|--------------------|---------|--|---|---|---|--|
| Qualifiers: | > | Greater than Result value | < | Less than Result value | B | Analyte detected in the associated method blank |
| | BRL | Below reporting limit | E | Estimated (value above quantitation range) | H | Holding times for preparation or analysis exceeded |
| | J | Estimated value detected below Reporting Limit | N | Analyte not NELAC certified | R | RPD outside limits due to matrix |
| | Rpt Lim | Reporting Limit | S | Spike Recovery outside limits due to matrix | | |

Analytical Environmental Services, Inc

Date: 30-Nov-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011147

ANALYTICAL QC SUMMARY REPORT

BatchID: 138514

| | | | | |
|-----------------------------|---|------------------------|----------------------------------|------------------------|
| Sample ID: MB-138514 | Client ID: | Units: ug/L | Prep Date: 11/23/2010 | Run No: 185259 |
| Sample Type: MBLK | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138514 | Analysis Date: 11/23/2010 | Seq No: 3860494 |

| 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 | 0 |
| 1,1-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Benzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon tetrachloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethylbenzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene chloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tetrachloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Toluene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vinyl chloride | BRL | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Xylenes, Total | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 47.66 | 0 | 50 | 0 | 95.3 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 54.70 | 0 | 50 | 0 | 109 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 47.84 | 0 | 50 | 0 | 95.7 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|------------------------------|---|------------------------|----------------------------------|------------------------|
| Sample ID: LCS-138514 | Client ID: | Units: ug/L | Prep Date: 11/23/2010 | Run No: 185259 |
| Sample Type: LCS | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138514 | Analysis Date: 11/23/2010 | Seq No: 3860490 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|--------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 42.54 | 5.0 | 50 | 0 | 85.1 | 51 | 154 | 0 | 0 | 0 | 0 |
| Benzene | 46.98 | 5.0 | 50 | 0 | 94 | 73.6 | 129 | 0 | 0 | 0 | 0 |
| Toluene | 45.82 | 5.0 | 50 | 0 | 91.6 | 75.7 | 128 | 0 | 0 | 0 | 0 |
| Trichloroethene | 45.51 | 5.0 | 50 | 0 | 91 | 73.9 | 132 | 0 | 0 | 0 | 0 |

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 < Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 30-Nov-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011147

ANALYTICAL QC SUMMARY REPORT

BatchID: 138514

| | | | | |
|------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: LCS-138514 | Client ID: | Units: ug/L | Prep Date: 11/23/2010 | Run No: 185259 |
| Sample Type: LCS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138514 | Analysis Date: 11/23/2010 | Seq No: 3860490 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| Surr: 4-Bromofluorobenzene | 53.91 | 0 | 50 | 0 | 108 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 54.16 | 0 | 50 | 0 | 108 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 52.17 | 0 | 50 | 0 | 104 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1011147-072AMS | Client ID: DUP-111510 | Units: ug/L | Prep Date: 11/23/2010 | Run No: 185259 |
| Sample Type: MS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138514 | Analysis Date: 11/23/2010 | Seq No: 3861261 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 2528 | 250 | 2500 | 83.00 | 97.8 | 46.2 | 183 | 0 | 0 | 0 | 0 |
| Benzene | 2428 | 250 | 2500 | 0 | 97.1 | 62.2 | 143 | 0 | 0 | 0 | 0 |
| Toluene | 2381 | 250 | 2500 | 0 | 95.2 | 57.8 | 149 | 0 | 0 | 0 | 0 |
| Trichloroethene | 2410 | 250 | 2500 | 0 | 96.4 | 70.5 | 149 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 2457 | 0 | 2500 | 0 | 98.3 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 2694 | 0 | 2500 | 0 | 108 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 2338 | 0 | 2500 | 0 | 93.5 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|-----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1011147-072AMSD | Client ID: DUP-111510 | Units: ug/L | Prep Date: 11/23/2010 | Run No: 185259 |
| Sample Type: MSD | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138514 | Analysis Date: 11/23/2010 | Seq No: 3861264 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|-------|-----------|------|
| 1,1-Dichloroethene | 2342 | 250 | 2500 | 83.00 | 90.3 | 46.2 | 183 | 2528 | 7.64 | 20 | 20 |
| Benzene | 2398 | 250 | 2500 | 0 | 95.9 | 62.2 | 143 | 2428 | 1.28 | 20 | 20 |
| Toluene | 2340 | 250 | 2500 | 0 | 93.6 | 57.8 | 149 | 2381 | 1.76 | 20 | 20 |
| Trichloroethene | 2419 | 250 | 2500 | 0 | 96.8 | 70.5 | 149 | 2410 | 0.393 | 20 | 20 |
| Surr: 4-Bromofluorobenzene | 2450 | 0 | 2500 | 0 | 98 | 64.7 | 130 | 2457 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 2616 | 0 | 2500 | 0 | 105 | 80.7 | 129 | 2694 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 2372 | 0 | 2500 | 0 | 94.9 | 71.1 | 120 | 2338 | 0 | 0 | 0 |

| Qualifiers: | > | Greater than Result value | < | Less than Result value | B | Analyte detected in the associated method blank |
|-------------|---|--|---|---|---|--|
| BRL | | Below reporting limit | E | Estimated (value above quantitation range) | H | Holding times for preparation or analysis exceeded |
| J | | Estimated value detected below Reporting Limit | N | Analyte not NELAC certified | R | RPD outside limits due to matrix |
| Rpt Lim | | Reporting Limit | S | Spike Recovery outside limits due to matrix | | |

Analytical Environmental Services, Inc

Date: 30-Nov-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011147

ANALYTICAL QC SUMMARY REPORT

BatchID: 138525

| | | | | |
|-----------------------------|---|------------------------|----------------------------------|------------------------|
| Sample ID: MB-138525 | Client ID: | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185185 |
| Sample Type: MBLK | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138525 | Analysis Date: 11/22/2010 | Seq No: 3860397 |

| 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 | 0 |
| 1,1-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Benzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon tetrachloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethylbenzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene chloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tetrachloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Toluene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vinyl chloride | BRL | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Xylenes, Total | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 45.88 | 0 | 50 | 0 | 91.8 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 53.96 | 0 | 50 | 0 | 108 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 48.94 | 0 | 50 | 0 | 97.9 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|------------------------------|---|------------------------|----------------------------------|------------------------|
| Sample ID: LCS-138525 | Client ID: | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185185 |
| Sample Type: LCS | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138525 | Analysis Date: 11/22/2010 | Seq No: 3860399 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|--------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 76.47 | 5.0 | 50 | 0 | 153 | 51 | 154 | 0 | 0 | 0 | 0 |
| Benzene | 51.79 | 5.0 | 50 | 0 | 104 | 73.6 | 129 | 0 | 0 | 0 | 0 |
| Toluene | 48.79 | 5.0 | 50 | 0 | 97.6 | 75.7 | 128 | 0 | 0 | 0 | 0 |
| Trichloroethene | 50.85 | 5.0 | 50 | 0 | 102 | 73.9 | 132 | 0 | 0 | 0 | 0 |

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 30-Nov-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011147

ANALYTICAL QC SUMMARY REPORT

BatchID: 138525

| | | | | |
|------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: LCS-138525 | Client ID: | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185185 |
| Sample Type: LCS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138525 | Analysis Date: 11/22/2010 | Seq No: 3860399 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| Surr: 4-Bromofluorobenzene | 46.19 | 0 | 50 | 0 | 92.4 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 48.75 | 0 | 50 | 0 | 97.5 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 47.24 | 0 | 50 | 0 | 94.5 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1011147-054AMS | Client ID: DUP-111710 | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185185 |
| Sample Type: MS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138525 | Analysis Date: 11/22/2010 | Seq No: 3860439 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 4124 | 250 | 2500 | 374.5 | 150 | 46.2 | 183 | 0 | 0 | 0 | 0 |
| Benzene | 2478 | 250 | 2500 | 0 | 99.1 | 62.2 | 143 | 0 | 0 | 0 | 0 |
| Toluene | 2365 | 250 | 2500 | 0 | 94.6 | 57.8 | 149 | 0 | 0 | 0 | 0 |
| Trichloroethene | 2448 | 250 | 2500 | 0 | 97.9 | 70.5 | 149 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 2172 | 0 | 2500 | 0 | 86.9 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 2522 | 0 | 2500 | 0 | 101 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 2372 | 0 | 2500 | 0 | 94.9 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1011147-054MSD | Client ID: DUP-111710 | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185185 |
| Sample Type: MSD | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138525 | Analysis Date: 11/22/2010 | Seq No: 3860441 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 3984 | 250 | 2500 | 374.5 | 144 | 46.2 | 183 | 4124 | 3.43 | 20 | 20 |
| Benzene | 2368 | 250 | 2500 | 0 | 94.7 | 62.2 | 143 | 2478 | 4.56 | 20 | 20 |
| Toluene | 2181 | 250 | 2500 | 0 | 87.2 | 57.8 | 149 | 2365 | 8.1 | 20 | 20 |
| Trichloroethene | 2306 | 250 | 2500 | 0 | 92.2 | 70.5 | 149 | 2448 | 6 | 20 | 20 |
| Surr: 4-Bromofluorobenzene | 2158 | 0 | 2500 | 0 | 86.3 | 64.7 | 130 | 2172 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 2557 | 0 | 2500 | 0 | 102 | 80.7 | 129 | 2522 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 2355 | 0 | 2500 | 0 | 94.2 | 71.1 | 120 | 2372 | 0 | 0 | 0 |

Qualifiers: > Greater than Result value
 < Less than Result value
 BRL Below reporting limit
 E Estimated (value above quantitation range)
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix
 S Spike Recovery outside limits due to matrix

Analytical Environmental Services, Inc

Date: 30-Nov-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011147

ANALYTICAL QC SUMMARY REPORT

BatchID: 138544

| | | | | |
|-----------------------------|---|------------------------|----------------------------------|------------------------|
| Sample ID: MB-138544 | Client ID: | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185212 |
| Sample Type: MBLK | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138544 | Analysis Date: 11/22/2010 | Seq No: 3860597 |

| 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 | 0 |
| 1,1-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Benzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon tetrachloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethylbenzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene chloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tetrachloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Toluene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vinyl chloride | BRL | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Xylenes, Total | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 46.24 | 0 | 50 | 0 | 92.5 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 47.64 | 0 | 50 | 0 | 95.3 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 46.32 | 0 | 50 | 0 | 92.6 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|------------------------------|---|------------------------|----------------------------------|------------------------|
| Sample ID: LCS-138544 | Client ID: | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185212 |
| Sample Type: LCS | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138544 | Analysis Date: 11/22/2010 | Seq No: 3860596 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|--------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 53.01 | 5.0 | 50 | 0 | 106 | 51 | 154 | 0 | 0 | 0 | 0 |
| Benzene | 49.25 | 5.0 | 50 | 0 | 98.5 | 73.6 | 129 | 0 | 0 | 0 | 0 |
| Toluene | 49.43 | 5.0 | 50 | 0 | 98.9 | 75.7 | 128 | 0 | 0 | 0 | 0 |
| Trichloroethene | 51.85 | 5.0 | 50 | 0 | 104 | 73.9 | 132 | 0 | 0 | 0 | 0 |

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 < Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 30-Nov-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011147

ANALYTICAL QC SUMMARY REPORT

BatchID: 138544

| | | | | |
|------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: LCS-138544 | Client ID: | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185212 |
| Sample Type: LCS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138544 | Analysis Date: 11/22/2010 | Seq No: 3860596 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| Surr: 4-Bromofluorobenzene | 46.43 | 0 | 50 | 0 | 92.9 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 47.72 | 0 | 50 | 0 | 95.4 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 46.84 | 0 | 50 | 0 | 93.7 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1011147-037AMS | Client ID: MW-37 Z3 | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185212 |
| Sample Type: MS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138544 | Analysis Date: 11/22/2010 | Seq No: 3860621 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 63.88 | 5.0 | 50 | 6.660 | 114 | 46.2 | 183 | 0 | 0 | 0 | 0 |
| Benzene | 48.93 | 5.0 | 50 | 0 | 97.9 | 62.2 | 143 | 0 | 0 | 0 | 0 |
| Toluene | 49.79 | 5.0 | 50 | 0.8400 | 97.9 | 57.8 | 149 | 0 | 0 | 0 | 0 |
| Trichloroethene | 49.42 | 5.0 | 50 | 0 | 98.8 | 70.5 | 149 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 44.29 | 0 | 50 | 0 | 88.6 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 48.36 | 0 | 50 | 0 | 96.7 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 46.39 | 0 | 50 | 0 | 92.8 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|-----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1011147-037AMSD | Client ID: MW-37 Z3 | Units: ug/L | Prep Date: 11/22/2010 | Run No: 185212 |
| Sample Type: MSD | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138544 | Analysis Date: 11/22/2010 | Seq No: 3860623 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|-------|-----------|------|
| 1,1-Dichloroethene | 61.36 | 5.0 | 50 | 6.660 | 109 | 46.2 | 183 | 63.88 | 4.02 | 20 | 20 |
| Benzene | 48.43 | 5.0 | 50 | 0 | 96.9 | 62.2 | 143 | 48.93 | 1.03 | 20 | 20 |
| Toluene | 49.27 | 5.0 | 50 | 0.8400 | 96.9 | 57.8 | 149 | 49.79 | 1.05 | 20 | 20 |
| Trichloroethene | 48.97 | 5.0 | 50 | 0 | 97.9 | 70.5 | 149 | 49.42 | 0.915 | 20 | 20 |
| Surr: 4-Bromofluorobenzene | 45.06 | 0 | 50 | 0 | 90.1 | 64.7 | 130 | 44.29 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 48.25 | 0 | 50 | 0 | 96.5 | 80.7 | 129 | 48.36 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 46.62 | 0 | 50 | 0 | 93.2 | 71.1 | 120 | 46.39 | 0 | 0 | 0 |

| Qualifiers: | > | Greater than Result value | < | Less than Result value | B | Analyte detected in the associated method blank |
|-------------|---|--|---|---|---|--|
| BRL | | Below reporting limit | E | Estimated (value above quantitation range) | H | Holding times for preparation or analysis exceeded |
| J | | Estimated value detected below Reporting Limit | N | Analyte not NELAC certified | R | RPD outside limits due to matrix |
| Rpt Lim | | Reporting Limit | S | Spike Recovery outside limits due to matrix | | |

Analytical Environmental Services, Inc

Date: 30-Nov-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011147

ANALYTICAL QC SUMMARY REPORT

BatchID: 138636

| | | | | |
|-----------------------------|---|------------------------|----------------------------------|------------------------|
| Sample ID: MB-138636 | Client ID: | Units: ug/L | Prep Date: 11/24/2010 | Run No: 185383 |
| Sample Type: MBLK | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138636 | Analysis Date: 11/24/2010 | Seq No: 3864029 |

| 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 | 0 |
| 1,1-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichloroethane | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Benzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon tetrachloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethylbenzene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene chloride | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tetrachloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Toluene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| trans-1,2-Dichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vinyl chloride | BRL | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Xylenes, Total | BRL | 5.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 47.55 | 0 | 50 | 0 | 95.1 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 56.00 | 0 | 50 | 0 | 112 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 48.39 | 0 | 50 | 0 | 96.8 | 71.1 | 120 | 0 | 0 | 0 | 0 |

| | | | | |
|------------------------------|---|------------------------|----------------------------------|------------------------|
| Sample ID: LCS-138636 | Client ID: | Units: ug/L | Prep Date: 11/24/2010 | Run No: 185383 |
| Sample Type: LCS | Test Code: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138636 | Analysis Date: 11/24/2010 | Seq No: 3864028 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|--------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 42.45 | 5.0 | 50 | 0 | 84.9 | 51 | 154 | 0 | 0 | 0 | 0 |
| Benzene | 46.15 | 5.0 | 50 | 0 | 92.3 | 73.6 | 129 | 0 | 0 | 0 | 0 |
| Toluene | 45.89 | 5.0 | 50 | 0 | 91.8 | 75.7 | 128 | 0 | 0 | 0 | 0 |
| Trichloroethene | 46.52 | 5.0 | 50 | 0 | 93 | 73.9 | 132 | 0 | 0 | 0 | 0 |

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 < Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 30-Nov-10

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011147

ANALYTICAL QC SUMMARY REPORT

BatchID: 138636

| | | | | |
|------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: LCS-138636 | Client ID: | Units: ug/L | Prep Date: 11/24/2010 | Run No: 185383 |
| Sample Type: LCS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138636 | Analysis Date: 11/24/2010 | Seq No: 3864028 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| Surr: 4-Bromofluorobenzene | 54.09 | 0 | 50 | 0 | 108 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 54.32 | 0 | 50 | 0 | 109 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 53.39 | 0 | 50 | 0 | 107 | 71.1 | 120 | 0 | 0 | 0 | 0 |

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|----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1011147-087AMS | Client ID: 119 CLOVEHILL DR | Units: ug/L | Prep Date: 11/24/2010 | Run No: 185501 |
| Sample Type: MS | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138636 | Analysis Date: 11/25/2010 | Seq No: 3866177 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 54.67 | 5.0 | 50 | 0 | 109 | 46.2 | 183 | 0 | 0 | 0 | 0 |
| Benzene | 51.78 | 5.0 | 50 | 0 | 104 | 62.2 | 143 | 0 | 0 | 0 | 0 |
| Toluene | 52.55 | 5.0 | 50 | 0 | 105 | 57.8 | 149 | 0 | 0 | 0 | 0 |
| Trichloroethene | 54.64 | 5.0 | 50 | 0 | 109 | 70.5 | 149 | 0 | 0 | 0 | 0 |
| Surr: 4-Bromofluorobenzene | 47.68 | 0 | 50 | 0 | 95.4 | 64.7 | 130 | 0 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 56.30 | 0 | 50 | 0 | 113 | 80.7 | 129 | 0 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 47.93 | 0 | 50 | 0 | 95.9 | 71.1 | 120 | 0 | 0 | 0 | 0 |

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|-----------------------------------|--|------------------------|----------------------------------|------------------------|
| Sample ID: 1011147-087AMSD | Client ID: 119 CLOVEHILL DR | Units: ug/L | Prep Date: 11/24/2010 | Run No: 185501 |
| Sample Type: MSD | TestCode: Volatile Organic Compounds by GC/MS SW8260B | BatchID: 138636 | Analysis Date: 11/25/2010 | Seq No: 3866178 |

| Analyte | Result | RPT Limit | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|----------------------------|--------|-----------|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| 1,1-Dichloroethene | 53.66 | 5.0 | 50 | 0 | 107 | 46.2 | 183 | 54.67 | 1.86 | 20 | 20 |
| Benzene | 50.42 | 5.0 | 50 | 0 | 101 | 62.2 | 143 | 51.78 | 2.66 | 20 | 20 |
| Toluene | 51.20 | 5.0 | 50 | 0 | 102 | 57.8 | 149 | 52.55 | 2.6 | 20 | 20 |
| Trichloroethene | 53.74 | 5.0 | 50 | 0 | 107 | 70.5 | 149 | 54.64 | 1.66 | 20 | 20 |
| Surr: 4-Bromofluorobenzene | 47.72 | 0 | 50 | 0 | 95.4 | 64.7 | 130 | 47.68 | 0 | 0 | 0 |
| Surr: Dibromofluoromethane | 55.70 | 0 | 50 | 0 | 111 | 80.7 | 129 | 56.30 | 0 | 0 | 0 |
| Surr: Toluene-d8 | 49.81 | 0 | 50 | 0 | 99.6 | 71.1 | 120 | 47.93 | 0 | 0 | 0 |

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|--------------------|---------|--|---|---|---|--|
| Qualifiers: | > | Greater than Result value | < | Less than Result value | B | Analyte detected in the associated method blank |
| | BRL | Below reporting limit | E | Estimated (value above quantitation range) | H | Holding times for preparation or analysis exceeded |
| | J | Estimated value detected below Reporting Limit | N | Analyte not NELAC certified | R | RPD outside limits due to matrix |
| | Rpt Lim | Reporting Limit | S | Spike Recovery outside limits due to matrix | | |

ANALYTICAL QC SUMMARY REPORT

Client: BROWN AND CALDWELL
Project Name: Owens Corning
Workorder: 1011147

BatchID: R185434

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|------------------------------|--|-------------------------|----------------------------------|------------------------|
| Sample ID: MB-D185434 | Client ID: | Units: mg/L | Prep Date: | Run No: 185434 |
| Sample Type: MBLK | TestCode: Inorganic Anions by IC E300.0 | BatchID: R185434 | Analysis Date: 11/23/2010 | Seq No: 3864376 |
| Analyte | Result | RPT Limit | SPK value | SPK Ref Val |
| Fluoride | BRL | 0.200 | 0 | 0 |
| | | | Low Limit | High Limit |
| | | | 0 | 0 |
| | | | %REC | %RPD |
| | | | 0 | 0 |
| | | | RPD Ref Val | RPD Limit |
| | | | 0 | 0 |

| | | | | |
|-------------------------------|--|-------------------------|----------------------------------|------------------------|
| Sample ID: LCS-D185434 | Client ID: | Units: mg/L | Prep Date: | Run No: 185434 |
| Sample Type: LCS | TestCode: Inorganic Anions by IC E300.0 | BatchID: R185434 | Analysis Date: 11/23/2010 | Seq No: 3864373 |
| Analyte | Result | RPT Limit | SPK value | SPK Ref Val |
| Fluoride | 4.572 | 0.200 | 5 | 0 |
| | | | Low Limit | High Limit |
| | | | 91.4 | 90 |
| | | | %REC | %RPD |
| | | | 0 | 0 |
| | | | RPD Ref Val | RPD Limit |
| | | | 0 | 0 |

| | | | | |
|---------------------------------|--|-------------------------|----------------------------------|------------------------|
| Sample ID: 101147-081AMS | Client ID: | Units: mg/L | Prep Date: | Run No: 185434 |
| Sample Type: MS | TestCode: Inorganic Anions by IC E300.0 | BatchID: R185434 | Analysis Date: 11/24/2010 | Seq No: 3864433 |
| Analyte | Result | RPT Limit | SPK value | SPK Ref Val |
| Fluoride | 4.691 | 0.200 | 5 | 0.07120 |
| | | | Low Limit | High Limit |
| | | | 92.4 | 90 |
| | | | %REC | %RPD |
| | | | 0 | 0 |
| | | | RPD Ref Val | RPD Limit |
| | | | 0 | 0 |

| | | | | |
|----------------------------------|--|-------------------------|----------------------------------|------------------------|
| Sample ID: 1011H57-007CMS | Client ID: | Units: mg/L | Prep Date: | Run No: 185434 |
| Sample Type: MS | TestCode: Inorganic Anions by IC E300.0 | BatchID: R185434 | Analysis Date: 11/23/2010 | Seq No: 3864394 |
| Analyte | Result | RPT Limit | SPK value | SPK Ref Val |
| Fluoride | 4.782 | 0.200 | 5 | 0.06311 |
| | | | Low Limit | High Limit |
| | | | 94.4 | 90 |
| | | | %REC | %RPD |
| | | | 0 | 0 |
| | | | RPD Ref Val | RPD Limit |
| | | | 0 | 0 |

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|-----------------------------------|--|-------------------------|----------------------------------|------------------------|
| Sample ID: 1011H57-007CMSD | Client ID: | Units: mg/L | Prep Date: | Run No: 185434 |
| Sample Type: MSD | TestCode: Inorganic Anions by IC E300.0 | BatchID: R185434 | Analysis Date: 11/24/2010 | Seq No: 3864396 |
| Analyte | Result | RPT Limit | SPK value | SPK Ref Val |
| Fluoride | 4.605 | 0.200 | 5 | 0.06311 |
| | | | Low Limit | High Limit |
| | | | 90.8 | 90 |
| | | | %REC | %RPD |
| | | | 0 | 0 |
| | | | RPD Ref Val | RPD Limit |
| | | | 4.567 | 20 |

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix