



Mr. Jeffrey Crawford
Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, RI 02908-5767

Subject:

December 2012 Quarterly Monitoring Report for Springfield Street School Complex

Dear Mr. Crawford:

ARCADIS US, Inc. (ARCADIS) conducted quarterly monitoring of soil gas, indoor air, the cap, and the sub-slab ventilation system between December 2 and 9, 2011. The monitoring was performed in accordance with the *Long-Term Operation and Maintenance Plan and Site Contingency Plan* (O&M Plan) contained in the *Remedial Action Work Plan* prepared by ATC dated April 2, 1999, revised May 3, 1999 and May 9, 1999. The *Remedial Action Work Plan* (RAWP) was approved by the Rhode Island Department of Environmental Management (RIDEM) in a letter dated June 4, 1999.

This work is subject to the Limitations contained in Attachment A. Results of monitoring are provided in the following sections and in the attachments.

COVER MONITORING

ARCADIS conducted a visual survey of the site on December 2, 2011 for evidence of significant soil cover erosion, or for any areas where the orange snow fencing indicator barrier was visible. ARCADIS did not observe any areas where the orange indicator barrier was visible during this monitoring event. Some minor settling was observed in the area behind the Middle School. This will be repaired by Providence School maintenance personnel, and repairs will be verified.

SUB-SLAB VENTILATION SYSTEM

The sub-slab ventilation system was inspected by ARCADIS during the quarterly monitoring on December 2 and 5, 2011. The two elementary school blowers and the two middle school blowers were operating normally upon arrival.

Imagine the result

Use or disclosure of information contained on this sheet is subject to the restriction and disclaimer located on the signature page of this document.

ARCADIS U.S., Inc.
300 Metro Center Boulevard
Suite 250
Warwick
Rhode Island 02886
Tel 401.738.3887
Fax 401.732.1686
www.arcadis-us.com

SER-1

Date:

January 30, 2012

Contact:

Donna H. Pallister, PE

Phone:

401.738.3887

Email:

donna.pallister@arcadis-us.com

Our ref:

WK012152.0007

Samples of influent and effluent (before and after the carbon canisters) air were collected at each blower and screened for methane, carbon dioxide, oxygen, carbon monoxide, hydrogen sulfide, and organic vapors using a Landtec GEM2000 plus and a MiniRae 2000. Results of screening are provided on Table 1. Methane, carbon monoxide, hydrogen sulfide and organic vapors were not detected in any of the samples. Carbon dioxide was detected at a concentration of 0.2 to 0.4% at each location; all seven of the sample concentrations were greater than the RAWP Action Level of 1000 ppm (0.1%).

INDOOR AIR MONITORING

Indoor air monitoring was conducted on December 5, 2011 using a QRAE plus multi-gas meter (methane, hydrogen sulfide, oxygen), a Mini Rae photoionization detector (organic vapors), and a Fluke 975 Airmeter (carbon dioxide, carbon monoxide). School was in session during the monitoring event. Results of monitoring are provided in the Table 2. Carbon dioxide measurements were made with a Fluke 975 Airmeter indoor air quality meter. The Fluke 975 has a range of 0 to 5,000 ppm, with a resolution of 1 ppm.

The outside temperature on December 5, 2011 was 61 °F. Carbon dioxide was measured outside in the school parking lot at 472 ppm.

All readings were below the RAWP Action Levels. Methane, carbon monoxide, hydrogen sulfide, and organic vapors were not detected, and carbon dioxide was within the expected range for an occupied building.

Concentrations of carbon dioxide inside occupied buildings are expected to be higher than the concentrations in outdoor air because the building occupants expel carbon dioxide. Therefore, in indoor air, the concentration of carbon dioxide is typically used as an indicator of the effectiveness of the heating, ventilating, and air conditioning (HVAC) system in circulating outdoor air into the building. The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) have prepared ASHRAE Standard 62.1-2007 titled *Ventilation for Acceptable Indoor Air Quality*. The purpose of the Standard is to specify minimum ventilation rates and other measures to provide indoor air quality that is acceptable to human occupants and that minimize adverse health effects.

A discussion regarding carbon dioxide concentrations in indoor air contained in Informative Appendix C of the Standard states: "... maintaining a steady-state CO₂ concentration in a space of no greater than about 700 ppm above outdoor air levels will indicate that a substantial majority of visitors entering a space will be satisfied with respect to human bioeffluents (body odor)."

This is the basis for ASHRAE's recommendations for concentrations of carbon dioxide in indoor air. The average concentrations measured inside the site buildings were less than 700 ppm above the ambient outdoor concentrations.

The Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) for carbon dioxide in the workplace is 5,000 ppm. All readings were below this concentration.

The control panels for the methane monitors at both schools were inspected on December 5, 2011. The methane monitor control panels had stickers that indicated that the monitors were calibrated by Diamond Technical Services within the month prior to the inspection. Diamond Technical Services calibrates the sensors on a monthly basis.

Calibration Certificates from Diamond Calibration indicate that many of the sensors read above 0 when calibrated to the zero gas. This prevents the sensors from giving a fault alarm if the reading drops below zero due to a sudden temperature change, and still provides a conservative measure of protection because the alarm limit does not change.

GROUNDWATER MONITORING

The new and existing groundwater monitoring wells were sampled by ARCADIS on December 6, 2011.

Prior to sampling, the depth to water was gauged, and a volume of water equivalent to approximately three well volumes was removed from the well. Groundwater samples were collected in laboratory prepared sample jars and delivered under chain-of-custody protocol to Contest Laboratory in East Longmeadow, Massachusetts for analysis for volatile organic compounds by EPA method 8260. The laboratory report is provided as Attachment B. Results of analysis of groundwater samples are summarized in Table 3.

Trichloroethylene was detected in ATC-4 at 1.3 ug/L, significantly below the RIDEM GB Groundwater Objective of 540 ug/L. No other target analytes were detected in any of the groundwater samples.

SOIL GAS MONITORING

Soil gas monitoring was conducted at 29 locations on December 6, 2011. The sampling was conducted by placing an air sampling gripper cap on each well and attaching a piece of tubing. A volume of air equivalent to approximately 3 well volumes was removed from each well using a Sensidyne BDXII air sampling pump. Soil gas was then screened using a Landtec GEM 2000 Plus Landfill Gas Analyzer and a MiniRae Photoionization Detector (PID).

Air samples were also collected in Tedlar bags from wells WB-2 and MPL-6. The Tedlar bags were submitted to Con-test Analytical Laboratory for analysis for VOC via EPA method TO-14.

Soil Gas Field Monitoring Results

Soil gas samples were screened for methane, carbon monoxide, hydrogen sulfide, carbon dioxide, oxygen, and total VOCs. Soil gas survey results are provided in Table 4. Methane, hydrogen sulfide, carbon monoxide and organic vapors were not detected in any samples.

Carbon dioxide was detected in soil gas at concentrations ranging from 0.1% to 9.9% during the December monitoring event. The carbon dioxide Remedial Action Work Plan Action Level is 0.1% and 22 readings exceeded the action level. The maximum concentration detected during the October round was 14.3%, which was higher than the maximum during the current round. This is consistent with the pattern shown during previous rounds of declining carbon dioxide concentrations in the winter, and increasing concentrations in the summer and early fall. Graphs presenting carbon dioxide, oxygen, and methane concentrations over time for selected representative wells are presented in Attachment C.

The presence of carbon dioxide in soil gas is an indicator of subsurface bacterial activity and does not represent a threat to users of the property. The highest concentration of carbon dioxide was found in well MPL-7, located on the northern end of the property near Hartford Avenue. The monitoring locations on the northern end of the property adjacent to large expanses of paved parking lot, sidewalk, and streets have typically had the highest carbon dioxide concentrations.

Soil Gas Laboratory Results

Soil gas samples were collected from soil gas wells MPL-6 and WB-2 in Tedlar bags and submitted to Con-Test Analytical Laboratories for analysis by method TO-14. Results of the analysis are summarized in Table 5, and the laboratory report is provided in Attachment B. The results of analysis were generally consistent with the concentrations and compounds which have been detected in previous monitoring events.

The Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs) are provided in Table 5 for comparison purposes even though they are not applicable to soil gas, because it does not represent exposure point concentrations. The PELs are the average concentrations that OSHA allows to be present in a workplace without any respiratory protection or exposure controls. The concentrations detected in soil gas were well below the OSHA PELs.

CONCLUSIONS

Methane, hydrogen sulfide, carbon monoxide and organic vapor concentrations did not exceed RAWP action levels in any soil gas or indoor air samples. Carbon dioxide concentrations exceeded the action level at soil gas locations and subslab system monitoring points. The detection of carbon dioxide in soil gas is typical of what has been detected during previous monitoring events and appears to be a result of naturally occurring bacterial activity in the subsurface.



Mr. Jeffrey Crawford
January 30, 2012

If you have any questions or require any additional information, please contact the undersigned at 401-738-3887, extension 25.

Sincerely,

ARCADIS U.S., Inc.

A handwritten signature in black ink, appearing to read "Donna H. Pallister".

Donna H. Pallister, PE, LSP
Senior Environmental Engineer

Copies:

C. Jones, Providence Schools
A. Sepe, City of Providence
Providence Public Building Authority



Tables

Table 1
System Monitoring Notes
Springfield Street School Complex
Providence, Rhode Island
December 2nd & 5th, 2011

| Monitoring Location | Methane % by volume Landtec | Carbon Dioxide % by volume | Oxygen % by volume | Carbon Monoxide PPM | Hydrogen Sulfide PPM | Organic Vapors PPM |
|---|-----------------------------------|----------------------------------|-----------------------|---------------------------|----------------------------|--------------------------|
| Elementary School inlet 1 | 0.0 | 0.3 | 20.9 | 0 | 0 | 0.0 |
| Elementary School inlet 2 | 0.0 | 0.3 | 20.8 | 0 | 0 | 0.0 |
| Elementary School Outlet | 0.0 | 0.3 | 20.9 | 0 | 0 | 0.0 |
| Middle School front shed inlet | 0.0 | 0.2 | 21.4 | 0 | 0 | 0.0 |
| Middle School front shed after 2 nd carbon | 0.0 | 0.2 | 21.3 | 0 | 0 | 0.0 |
| Middle School back shed inlet | 0.0 | 0.4 | 20.8 | 0 | 0 | 0.0 |
| Middle School back shed after 2 nd carbon | 0.0 | 0.4 | 20.7 | 0 | 0 | 0.0 |
| Remedial Action Work Plan Action Levels | 0.5 | 1,000 ppm (0.1%) | NA | 9 ppm | 10 ppm | 5 ppm |

Measurements made with: Land tec GEM2000, Fluke 975 Airmeter, MiniRAE 2000

Sampling date: December 2nd & 5th, 2011

Measured by: D. Pallister, C. Dentch

Table 2
Indoor Air Monitoring Results
Springfield Street School Complex
Providence, Rhode Island
December 5, 2011

| Monitoring Location | Methane as % LEL | Carbon Dioxide PPM | Oxygen % by volume | Carbon Monoxide PPM | Hydrogen Sulfide PPM | Organic Vapors PPM |
|-------------------------------------|-------------------------|---------------------------|---------------------------|----------------------------|-----------------------------|---------------------------|
| E.S. Front office | 0.0 | 595 | 21.0 | 0 | 0 | 0.0 |
| E.S. Elevator | 0.0 | 647 | 21.1 | 0 | 0 | 0.0 |
| E.S. Faculty Work Room | 0.0 | 634 | 21.1 | 0 | 0 | 0.0 |
| E.S. Gym | 0.0 | 652 | 21.1 | 0 | 0 | 0.0 |
| E.S. Stairway B | 0.0 | 622 | 21.1 | 0 | 0 | 0.0 |
| E.S. Room 110 | 0.0 | 602 | 21.1 | 0 | 0 | 0.0 |
| E.S. Library | 0.0 | 603 | 21.0 | 0 | 0 | 0.0 |
| E.S. Room 111 Music/Art Room | 0.0 | 549 | 21.2 | 0 | 0 | 0.0 |
| E.S. Cafeteria | 0.0 | 888 | 21.0 | 0 | 0 | 0.0 |
| E.S. GS-8 | 0.0 | 595 | 21.2 | 0 | 0 | 0.0 |
| Stairway C | 0.0 | 576 | 21.2 | 0 | 0 | 0.0 |

Table 2
Indoor Air Monitoring Notes
Springfield Street School Complex
December 5, 2011

| Monitoring Location | Methane as % LEL | Carbon Dioxide PPM | Oxygen % by volume | Carbon Monoxide PPM | Hydrogen Sulfide PPM | Organic Vapors PPM |
|--|-------------------------|---------------------------|---------------------------|----------------------------|-----------------------------|---------------------------|
| M.S. Front Office | 0.0 | 518 | 20.7 | 0 | 0 | 0.0 |
| GS-14 | 0.0 | 597 | 20.7 | 0 | 0 | 0.0 |
| M.S. Stairway near Hartford Ave. GS-07 | 0.0 | 625 | 20.7 | 0 | 0 | 0.0 |
| M.S. Near sensor #16 in hall outside cafeteria | 0.0 | 633 | 20.8 | 0 | 0 | 0.0 |
| M.S. Faculty Work Room | 0.0 | 593 | 20.8 | 0 | 0 | 0.0 |
| M.S. GS-03 Across from Boys Bathroom | 0.0 | 676 | 20.8 | 0 | 0 | 0.0 |
| M.S. Second Floor - Library | 0.0 | 724 | 20.9 | 0 | 0 | 0.0 |
| M.S. Cafeteria | 0.0 | 650 | 20.8 | 0 | 0 | 0.0 |
| Custodian Closet | 0.0 | 573 | 20.9 | 0 | 0 | 0.0 |
| Elevator | 0.0 | 623 | 20.9 | 0 | 0 | 0.0 |

Table 2
Indoor Air Monitoring Notes
Springfield Street School Complex
December 5, 2011

| Monitoring Location | Methane as % LEL | Carbon Dioxide PPM | Oxygen % by volume | Carbon Monoxide PPM | Hydrogen Sulfide PPM | Organic Vapors PPM |
|--|-------------------------|---------------------------|---------------------------|----------------------------|-----------------------------|---------------------------|
| M.S. Front Hall near sensor #4 | 0.0 | 609 | 20.9 | 0 | 0 | 0.0 |
| M.S. Hallway across from elevator near sensor #9 | 0.0 | 561 | 20.9 | 0 | 0 | 0.0 |
| M.S. Near sensor GS 06 hallway right end | 0.0 | 641 | 20.9 | 0 | 0 | 0.0 |
| M.S. stairway near Elem. sensor GS-1 | 0.0 | 602 | 20.9 | 0 | 0 | 0.0 |
| Remedial Action Work Plan Action Levels | 0.5 | 1,000 ppm (0.1%) | NA | 9 ppm | 5 ppm | 5 ppm |

Notes:

E.S. indicates Elementary School, **M.S.** indicates Middle School

Measurements made with: Land tec GEM2000, Fluke 975 Airmeter, MiniRAE 2000

PPM = Parts per million

Outdoor conditions: carbon monoxide = 0 ppm, carbon dioxide = 472 ppm, temperature = 61.7 °F.

Table 3
Summary of Ground Water Sampling Results
Springfield Street School Complex
Springfield Street
Providence, Rhode Island

| Well | Detected Compounds | Sampling Dates and Results in µg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | RIDEM GB Groundwater Objective | | | | | | | |
|-------|-------------------------------|------------------------------------|-----------|------------|----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|---------------|----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|----------|-----------|------------|----------|-----------|-----------------------------------|-----------|------------------|------------------|------------------|------------------|------------------|------|
| | | 2/28/2001 | 7/20/2001 | *9-12/2001 | 8/1/2002 | 8/28/2002 | 12/19/2002 | 3/18/2003 | 7/17/2003 | 11/5/2003 | 1/22/2004 | 5/21/2004 | 8/17/2004 | 12/2/2004 | 4/6/2005 | 7/27/2005 | 10/27&28/2005 | 2/2/2006 | 4/27/2006 | 8/31/2006 | 11/15/2006 | 3/27/2007 | 5/21/2007 | 8/20/2007 | 11/13/2007 | 2/12/2008 | 5/21/2008 | 8/26/2008 | 11/18/2008 | 2/17/2009 | 5/7/2009 | 8/25/2009 | 11/18/2009 | 3/1/2010 | 5/20/2010 | | 8/25/2010 | 11/19/2010 | 2/24/2011 | 6/16/2011 | 10/3/2011 | 12/6/2011 | |
| ATC-1 | Benzene | 6.1 | ND | 18.9 | 0.9 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 140 | |
| | n-butylbenzene | 1.7 | ND | 2.8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | |
| | sec-Butylbenzene | 1.1 | ND | 4.1 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | |
| | tert-Butylbenzene | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | |
| | Ethylbenzene | 4.5 | ND | 12.6 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1600 | |
| | Isopropylbenzene | ND | ND | 1.8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | | |
| | n-Propylbenzene | ND | ND | 5.0 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | | |
| | MTBE | 12.4 | 7.0 | 28.6 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 5000 | | |
| | Trichloroethylene | ND | ND | ND | ND | ND | ND | ND | 1.27 | ND | ND | ND | ND | 1.10 | ND | ND | 1.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 540 | | |
| | Toluene | 2.5 | ND | 8.2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1700 | | |
| | 1,2,4-Trimethylben | 2.2 | ND | 8.2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | | |
| | 1,3,5-Trimethylben | 3.4 | ND | 5.2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | | | |
| | Xylenes | 14.6 | ND | 37 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | | | |
| | 1,1,2-Trichloroetha | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1.2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | | |
| ATC-2 | Chloroform | 0.9 | ND | ND | 1.0 | ND | ND | ND | ND | NS | 1.1 | 1.0 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | Closed 4/2011 | Closed 4/2011 | Closed 4/2011 | NA | | |
| MW-6 | Chloroform | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | NA | | | |
| | Installed 4/2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | NA | | | |
| ATC-3 | Toluene | ND | ND | ND | NS | ND | ND | ND | ND | 3.03 | ND | ND | ND | ND | ND | 3.0 | ND | 4.5 | 13.1 | ND | 2.3 | 1.3 | ND | ND | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | Closed 4/2011 | Closed 4/2011 | Closed 4/2011 | 1700 | |
| MW-7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | NA | | | |
| | Installed 4/2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | NA | | | |
| ATC-4 | Benzene | ND | ND | 2.5 | 0.6 | ND | ND | ND | ND | ND | ND | 0.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 140 | | |
| | Chlorobenzene | 2.6 | ND | 57.3 | 2.7 | 5.18 | ND | ND | ND | ND | ND | ND | 0.60 | ND | ND | ND | ND | ND | ND | ND | ND | 1.80 | 1.90 | ND | ND | 1.2 | ND | ND | ND | 1 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 70 | | | |
| | 1,4-dichlorobenzer | 4.2 | ND | 9.2 | 3.4 | 3.36 | ND | ND | ND | ND | 0.80 | 1.6 | 2.1 | ND | ND | ND | ND | 1.2 | 1.1 | ND | 1.2 | 2.1 | 2.1 | ND | ND | 2.1 | 1.4 | ND | 1.7 | 1.5 | ND | ND | ND | ND | 1.5 | NS | NS | ND | ND | NA | | | |
| | MTBE | ND | ND | ND | ND | ND | ND | ND | 1.19 | 9.55 | 1.06 | 2.90 | 0.6 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 5000 | | | |
| | 1,2,4-Trimethylben | ND | ND | 1.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | | | | |
| | tert-Amyl Methyl Ether (TAME) | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.5 | ND | NS | NS | ND | NA | | | |
| | Trichloroethylene | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 540 | | | | |
| ATC-5 | MTBE | ND | ND | 2.2 | NS | ND | ND | ND | ND | NS | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NS | NS | NS | Closed 4/2011 | Closed 4/2011 | Closed 4/2011 | 5000 |
| | Chloroform | ND | ND | ND | NS | ND | ND | ND | ND | NS | ND | ND | 0.6 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NS | NS | NS | NS | NA | | | |
| MW-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | NA | | | |
| | Installed 4/2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | NA | | | |
| | Sampled By: | ATC | ATC | ATC | ATC | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | LFR | ARCADIS | |

*ATC Monitoring Report for September through December 2001 did not list date samples were collected.
 ND is not detected above method dete
 NS is not sampled
 NA= No applicable standard published
 MTBE is Methyl tert-Butyl I
 µg/L = micrograms per liter

Table 4
Soil Gas Survey Field Notes
Springfield Street School Complex
Providence, Rhode Island
December 5, 2011

| Monitoring Well | Methane % by volume | Carbon Dioxide % by volume | Oxygen % by volume | Carbon Monoxide PPM | Hydrogen Sulfide PPM | Organic Vapors PPM |
|------------------------|----------------------------|-----------------------------------|---------------------------|----------------------------|-----------------------------|---------------------------|
| WB-1 | 0.0 | 0.1 | 21.4 | 0 | 0 | 0.0 |
| WB-2 | 0.0 | 1.1 | 20.6 | 0 | 0 | 0.0 |
| WB-3 | 0.0 | 0.1 | 21.5 | 0 | 0 | 0.0 |
| WB-4 | 0.0 | 0.1 | 21.5 | 0 | 0 | 0.0 |
| WB-5 | 0.0 | 0.2 | 21.4 | 0 | 0 | 0.0 |
| WB-6 | 0.0 | 0.1 | 21.5 | 0 | 0 | 0.0 |
| WB-7 R | 0.0 | 0.4 | 21.0 | 0 | 0 | 0.0 |
| WB-8 | 0.0 | 0.1 | 21.5 | 0 | 0 | 0.0 |
| WB-12 | 0.0 | 2.3 | 19.5 | 0 | 0 | 0.0 |
| WB-13 | 0.0 | 0.1 | 21.0 | 0 | 0 | 0.0 |
| WB-14 | 0.0 | 0.2 | 21.0 | 0 | 0 | 0.0 |
| WB-15 | 0.0 | 1.6 | 18.2 | 0 | 0 | 0.0 |
| EPL-1 | 0.0 | 0.4 | 20.8 | 0 | 0 | 0.0 |
| EPL-2 | 0.0 | 0.3 | 20.7 | 0 | 0 | 0.0 |
| EPL-3 | 0.0 | 2.3 | 18.3 | 0 | 0 | 0.0 |
| EPL-4 | 0.0 | 3.0 | 17.2 | 0 | 0 | 0.0 |
| EPL-5 | 0.0 | 2.5 | 18.0 | 0 | 0 | 0.0 |
| ENE-1 | 0.0 | 0.3 | 21.0 | 0 | 0 | 0.0 |

Table 4
Soil Gas Survey Field Notes
Springfield Street School Complex
Providence, Rhode Island
December 5, 2011

| Monitoring Well | Methane % by volume | Carbon Dioxide % by volume | Oxygen % by volume | Carbon Monoxide PPM | Hydrogen Sulfide PPM | Organic Vapors PPM |
|--|---------------------|----------------------------|--------------------|---------------------|----------------------|--------------------|
| MG1 | 0.0 | 0.2 | 20.8 | 0 | 0 | 0.0 |
| MG2 | 0.0 | 0.1 | 21.2 | 0 | 0 | 0.0 |
| MG3 | 0.0 | 1.3 | 19.9 | 0 | 0 | 0.0 |
| MG4 | 0.0 | 2.0 | 19.2 | 0 | 0 | 0.0 |
| MG5 | 0.0 | 1.4 | 19.6 | 0 | 0 | 0.0 |
| MPL2 | 0.0 | 0.6 | 20.6 | 0 | 0 | 0.0 |
| MPL3 | 0.0 | 7.2 | 10.7 | 0 | 0 | 0.0 |
| MPL5 | 0.0 | 8.7 | 10.1 | 0 | 0 | 0.0 |
| MPL6 | 0.0 | 9.6 | 4.8 | 0 | 0 | 0.0 |
| MPL7 | 0.0 | 9.9 | 6.1 | 0 | 0 | 0.0 |
| MPL8 | 0.0 | 4.7 | 16.6 | 0 | 0 | 0.0 |
| Remedial Action Work Plan Action Levels | 0.5% | 1,000 PPM | NA | 9 PPM | 10 PPM | 5 PPM |

Sampled by: Andrew DaSilva

Weather Conditions: Cloudy and light rain , 57 F

Sampling Equipment: Landtec GEM 2000 Plus, MiniRae 2000 PID










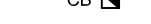

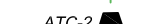


Figure

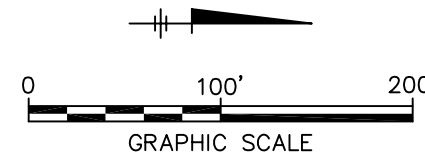
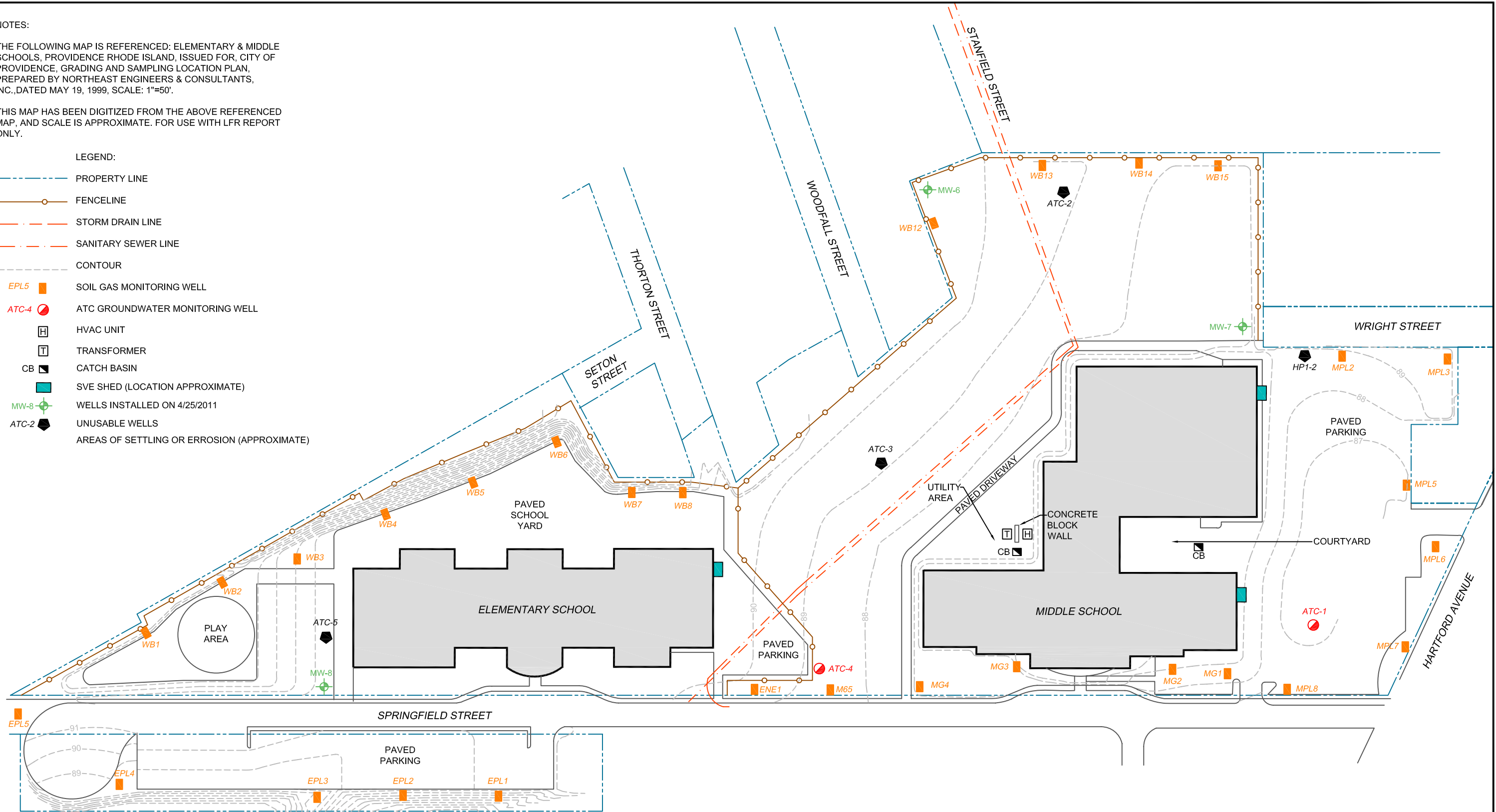
NOTES:

THE FOLLOWING MAP IS REFERENCED: ELEMENTARY & MIDDLE SCHOOLS, PROVIDENCE RHODE ISLAND, ISSUED FOR, CITY OF PROVIDENCE, GRADING AND SAMPLING LOCATION PLAN, PREPARED BY NORTHEAST ENGINEERS & CONSULTANTS, INC., DATED MAY 19, 1999, SCALE: 1"=50'.

THIS MAP HAS BEEN DIGITIZED FROM THE ABOVE REFERENCED MAP, AND SCALE IS APPROXIMATE. FOR USE WITH LFR REPORT ONLY.

LEGEND:

-  PROPERTY LINE
-  FENCELINE
-  STORM DRAIN LINE
-  SANITARY SEWER LINE
-  CONTOUR
-  EPL5 SOIL GAS MONITORING WELL
-  ATC-4 ATC GROUNDWATER MONITORING WELL
-  HVAC UNIT
-  TRANSFORMER
-  CATCH BASIN
-  SVE SHED (LOCATION APPROXIMATE)
-  MW-8 WELLS INSTALLED ON 4/25/2011
-  ATC-2 UNUSABLE WELLS
-  AREAS OF SETTLING OR ERROSION (APPROXIMATE)



| | |
|---|---|
| SPRINGFIELD STREET SCHOOL COMPLEX SPRINGFIELD STREET PROVIDENCE, RHODE ISLAND | |
| <h2 style="margin: 0;">SITE PLAN</h2> | |
|  | FIGURE <h1 style="margin: 0;">2</h1> |

CITY: MANCHESTER, CT DIV/GROUP: ENVCAD DR: B. SMALL PW: TM: PLOTTED: 7/28/2011 3:31 PM BY: SMALL, BRIAN
 G:\ENVCAD\Manchester\ACT\WK0121520007\0001\WK0121520007.dwg LAYOUT: 2 SAVER: 3/24/2011 12:37 PM ACADVER: 18.05 (LMS TECH) PAGESETUP: PLOTSTYLETABLE: PAGESHEET: 2



Appendix A

Limitations & Service Constraints

LIMITATIONS AND SERVICE CONSTRAINTS

GENERAL REPORTS/DOCUMENT

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ARCADIS and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty, or guarantee, express or implied, is intended or given. To the extent that ARCADIS relied upon any information prepared by other parties not under contract to ARCADIS, ARCADIS makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

Results of any investigations or testing and any findings presented in this report apply solely to conditions existing at the time when ARCADIS' investigative work was performed. It must be recognized that any such investigative or testing activities are inherently limited and do not represent a conclusive or complete characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. ARCADIS's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in environmental investigation conclusions cannot reasonably be achieved.

ARCADIS, therefore, does not provide any guarantees, certifications, or warranties regarding any conclusions regarding environmental contamination of any such property. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.



Appendix B

Laboratory Results

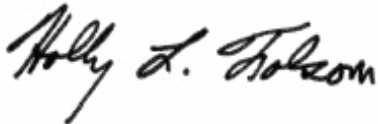
December 14, 2011

Donna Pallister
Arcadis US, Inc. - Warwick, RI
300 Metro Center Blvd., Suite 250
Warwick, RI 02886

Project Location: Springfield St.
Client Job Number:
Project Number: WK012152.0000
Laboratory Work Order Number: 11L0242

Enclosed are results of analyses for samples received by the laboratory on December 7, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Holly L. Folsom". The signature is written in a cursive, flowing style.

Holly L. Folsom
Project Manager

Arcadis US, Inc. - Warwick, RI
300 Metro Center Blvd., Suite 250
Warwick, RI 02886
ATTN: Donna Pallister

REPORT DATE: 12/14/2011

PURCHASE ORDER NUMBER: 5131

PROJECT NUMBER: WK012152.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11L0242

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Springfield St.

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|----------------|------------|--------|--------------------|------------|---------|
| MPL-6 | 11L0242-01 | Air | | EPA TO-14A | |
| WB-2 | 11L0242-02 | Air | | EPA TO-14A | |

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-14A

Qualifications:

Holding times and stability of samples taken in tedlar bags have not been determined

Analyte & Samples(s) Qualified:

11L0242-01[MPL-6], 11L0242-02[WB-2]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

ANALYTICAL RESULTS

Project Location: Springfield St.
 Date Received: 12/7/2011
Field Sample #: MPL-6
Sample ID: 11L0242-01
 Sample Matrix: Air
 Sampled: 12/6/2011 14:00

Sample Description/Location:
 Sub Description/Location:
 Canister ID:
 Canister Size:
 Flow Controller ID:
 Sample Type:

Work Order: 11L0242
 Initial Vacuum(in Hg):
 Final Vacuum(in Hg):
 Receipt Vacuum(in Hg):
 Flow Controller Type:
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-14A

Sample Flags: A-09

| Analyte | ppbv | | Flag | ug/m3 | | Dilution | Date/Time Analyzed | Analyst |
|--|---------|-------|------|---------|------|----------|--------------------|---------|
| | Results | RL | | Results | RL | | | |
| Benzene | 16 | 0.050 | | 52 | 0.16 | 1 | 12/9/11 12:05 | WSD |
| Bromomethane | ND | 0.050 | | ND | 0.19 | 1 | 12/9/11 12:05 | WSD |
| Carbon Tetrachloride | ND | 0.050 | | ND | 0.31 | 1 | 12/9/11 12:05 | WSD |
| Chlorobenzene | 0.14 | 0.050 | | 0.67 | 0.23 | 1 | 12/9/11 12:05 | WSD |
| Chloroethane | ND | 0.050 | | ND | 0.13 | 1 | 12/9/11 12:05 | WSD |
| Chloroform | 0.062 | 0.050 | | 0.30 | 0.24 | 1 | 12/9/11 12:05 | WSD |
| Chloromethane | 0.60 | 0.050 | | 1.2 | 0.10 | 1 | 12/9/11 12:05 | WSD |
| 1,2-Dibromoethane (EDB) | ND | 0.050 | | ND | 0.38 | 1 | 12/9/11 12:05 | WSD |
| 1,2-Dichlorobenzene | ND | 0.050 | | ND | 0.30 | 1 | 12/9/11 12:05 | WSD |
| 1,3-Dichlorobenzene | ND | 0.050 | | ND | 0.30 | 1 | 12/9/11 12:05 | WSD |
| 1,4-Dichlorobenzene | 0.19 | 0.050 | | 1.2 | 0.30 | 1 | 12/9/11 12:05 | WSD |
| Dichlorodifluoromethane (Freon 12) | 0.46 | 0.050 | | 2.3 | 0.25 | 1 | 12/9/11 12:05 | WSD |
| 1,1-Dichloroethane | ND | 0.050 | | ND | 0.20 | 1 | 12/9/11 12:05 | WSD |
| 1,2-Dichloroethane | ND | 0.050 | | ND | 0.20 | 1 | 12/9/11 12:05 | WSD |
| 1,1-Dichloroethylene | ND | 0.050 | | ND | 0.20 | 1 | 12/9/11 12:05 | WSD |
| cis-1,2-Dichloroethylene | ND | 0.050 | | ND | 0.20 | 1 | 12/9/11 12:05 | WSD |
| 1,2-Dichloropropane | ND | 0.050 | | ND | 0.23 | 1 | 12/9/11 12:05 | WSD |
| cis-1,3-Dichloropropene | ND | 0.050 | | ND | 0.23 | 1 | 12/9/11 12:05 | WSD |
| trans-1,3-Dichloropropene | ND | 0.050 | | ND | 0.23 | 1 | 12/9/11 12:05 | WSD |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | ND | 0.050 | | ND | 0.35 | 1 | 12/9/11 12:05 | WSD |
| Ethylbenzene | 1.3 | 0.050 | | 5.5 | 0.22 | 1 | 12/9/11 12:05 | WSD |
| Hexachlorobutadiene | ND | 0.050 | | ND | 0.53 | 1 | 12/9/11 12:05 | WSD |
| Methylene Chloride | 14 | 0.50 | | 48 | 1.7 | 1 | 12/9/11 12:05 | WSD |
| Styrene | 1.2 | 0.050 | | 5.0 | 0.21 | 1 | 12/9/11 12:05 | WSD |
| 1,1,2,2-Tetrachloroethane | ND | 0.050 | | ND | 0.34 | 1 | 12/9/11 12:05 | WSD |
| Tetrachloroethylene | 0.079 | 0.050 | | 0.54 | 0.34 | 1 | 12/9/11 12:05 | WSD |
| Toluene | 5.6 | 0.050 | | 21 | 0.19 | 1 | 12/9/11 12:05 | WSD |
| 1,2,4-Trichlorobenzene | ND | 0.050 | | ND | 0.37 | 1 | 12/9/11 12:05 | WSD |
| 1,1,1-Trichloroethane | ND | 0.050 | | ND | 0.27 | 1 | 12/9/11 12:05 | WSD |
| 1,1,2-Trichloroethane | ND | 0.050 | | ND | 0.27 | 1 | 12/9/11 12:05 | WSD |
| Trichloroethylene | 0.072 | 0.050 | | 0.39 | 0.27 | 1 | 12/9/11 12:05 | WSD |
| Trichlorofluoromethane (Freon 11) | 0.68 | 0.050 | | 3.8 | 0.28 | 1 | 12/9/11 12:05 | WSD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 0.077 | 0.050 | | 0.59 | 0.38 | 1 | 12/9/11 12:05 | WSD |
| 1,2,4-Trimethylbenzene | 1.0 | 0.050 | | 5.0 | 0.25 | 1 | 12/9/11 12:05 | WSD |
| 1,3,5-Trimethylbenzene | 0.33 | 0.050 | | 1.6 | 0.25 | 1 | 12/9/11 12:05 | WSD |
| Vinyl Chloride | ND | 0.050 | | ND | 0.13 | 1 | 12/9/11 12:05 | WSD |
| m&p-Xylene | 3.2 | 0.10 | | 14 | 0.43 | 1 | 12/9/11 12:05 | WSD |
| o-Xylene | 1.0 | 0.050 | | 4.4 | 0.22 | 1 | 12/9/11 12:05 | WSD |

ANALYTICAL RESULTS

Project Location: Springfield St.
 Date Received: 12/7/2011
Field Sample #: MPL-6
Sample ID: 11L0242-01
 Sample Matrix: Air
 Sampled: 12/6/2011 14:00

Sample Description/Location:
 Sub Description/Location:
 Canister ID:
 Canister Size:
 Flow Controller ID:
 Sample Type:

Work Order: 11L0242
 Initial Vacuum(in Hg):
 Final Vacuum(in Hg):
 Receipt Vacuum(in Hg):
 Flow Controller Type:
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-14A

Sample Flags: A-09

| Analyte | ppbv | | Flag | ug/m3 | | Dilution | Date/Time Analyzed | Analyst |
|--------------------------|------------|-----|------|--------------|--------|----------|--------------------|---------|
| | Results | RL | | Results | RL | | | |
| Surrogates | % Recovery | | | % REC Limits | | | | |
| 4-Bromofluorobenzene (1) | | 102 | | | 70-130 | | 12/9/11 12:05 | |

ANALYTICAL RESULTS

Project Location: Springfield St.
 Date Received: 12/7/2011
Field Sample #: WB-2
Sample ID: 11L0242-02
 Sample Matrix: Air
 Sampled: 12/6/2011 11:50

Sample Description/Location:
 Sub Description/Location:
 Canister ID:
 Canister Size:
 Flow Controller ID:
 Sample Type:

Work Order: 11L0242
 Initial Vacuum(in Hg):
 Final Vacuum(in Hg):
 Receipt Vacuum(in Hg):
 Flow Controller Type:
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-14A

Sample Flags: A-09

| Analyte | ppbv | | Flag | ug/m3 | | Dilution | Date/Time Analyzed | Analyst |
|--|---------|-------|------|---------|------|----------|--------------------|---------|
| | Results | RL | | Results | RL | | | |
| Benzene | 0.43 | 0.050 | | 1.4 | 0.16 | 1 | 12/9/11 11:24 | WSD |
| Bromomethane | ND | 0.050 | | ND | 0.19 | 1 | 12/9/11 11:24 | WSD |
| Carbon Tetrachloride | 0.055 | 0.050 | | 0.35 | 0.31 | 1 | 12/9/11 11:24 | WSD |
| Chlorobenzene | 0.16 | 0.050 | | 0.71 | 0.23 | 1 | 12/9/11 11:24 | WSD |
| Chloroethane | ND | 0.050 | | ND | 0.13 | 1 | 12/9/11 11:24 | WSD |
| Chloroform | 0.24 | 0.050 | | 1.2 | 0.24 | 1 | 12/9/11 11:24 | WSD |
| Chloromethane | 0.12 | 0.050 | | 0.24 | 0.10 | 1 | 12/9/11 11:24 | WSD |
| 1,2-Dibromoethane (EDB) | ND | 0.050 | | ND | 0.38 | 1 | 12/9/11 11:24 | WSD |
| 1,2-Dichlorobenzene | ND | 0.050 | | ND | 0.30 | 1 | 12/9/11 11:24 | WSD |
| 1,3-Dichlorobenzene | ND | 0.050 | | ND | 0.30 | 1 | 12/9/11 11:24 | WSD |
| 1,4-Dichlorobenzene | 0.25 | 0.050 | | 1.5 | 0.30 | 1 | 12/9/11 11:24 | WSD |
| Dichlorodifluoromethane (Freon 12) | 0.59 | 0.050 | | 2.9 | 0.25 | 1 | 12/9/11 11:24 | WSD |
| 1,1-Dichloroethane | ND | 0.050 | | ND | 0.20 | 1 | 12/9/11 11:24 | WSD |
| 1,2-Dichloroethane | ND | 0.050 | | ND | 0.20 | 1 | 12/9/11 11:24 | WSD |
| 1,1-Dichloroethylene | ND | 0.050 | | ND | 0.20 | 1 | 12/9/11 11:24 | WSD |
| cis-1,2-Dichloroethylene | ND | 0.050 | | ND | 0.20 | 1 | 12/9/11 11:24 | WSD |
| 1,2-Dichloropropane | ND | 0.050 | | ND | 0.23 | 1 | 12/9/11 11:24 | WSD |
| cis-1,3-Dichloropropene | ND | 0.050 | | ND | 0.23 | 1 | 12/9/11 11:24 | WSD |
| trans-1,3-Dichloropropene | ND | 0.050 | | ND | 0.23 | 1 | 12/9/11 11:24 | WSD |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | ND | 0.050 | | ND | 0.35 | 1 | 12/9/11 11:24 | WSD |
| Ethylbenzene | 1.4 | 0.050 | | 6.3 | 0.22 | 1 | 12/9/11 11:24 | WSD |
| Hexachlorobutadiene | ND | 0.050 | | ND | 0.53 | 1 | 12/9/11 11:24 | WSD |
| Methylene Chloride | 13 | 0.50 | | 44 | 1.7 | 1 | 12/9/11 11:24 | WSD |
| Styrene | 1.2 | 0.050 | | 5.1 | 0.21 | 1 | 12/9/11 11:24 | WSD |
| 1,1,2,2-Tetrachloroethane | ND | 0.050 | | ND | 0.34 | 1 | 12/9/11 11:24 | WSD |
| Tetrachloroethylene | 0.12 | 0.050 | | 0.82 | 0.34 | 1 | 12/9/11 11:24 | WSD |
| Toluene | 3.9 | 0.050 | | 15 | 0.19 | 1 | 12/9/11 11:24 | WSD |
| 1,2,4-Trichlorobenzene | ND | 0.050 | | ND | 0.37 | 1 | 12/9/11 11:24 | WSD |
| 1,1,1-Trichloroethane | ND | 0.050 | | ND | 0.27 | 1 | 12/9/11 11:24 | WSD |
| 1,1,2-Trichloroethane | ND | 0.050 | | ND | 0.27 | 1 | 12/9/11 11:24 | WSD |
| Trichloroethylene | 0.066 | 0.050 | | 0.35 | 0.27 | 1 | 12/9/11 11:24 | WSD |
| Trichlorofluoromethane (Freon 11) | 0.50 | 0.050 | | 2.8 | 0.28 | 1 | 12/9/11 11:24 | WSD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 0.089 | 0.050 | | 0.68 | 0.38 | 1 | 12/9/11 11:24 | WSD |
| 1,2,4-Trimethylbenzene | 1.2 | 0.050 | | 5.9 | 0.25 | 1 | 12/9/11 11:24 | WSD |
| 1,3,5-Trimethylbenzene | 0.39 | 0.050 | | 1.9 | 0.25 | 1 | 12/9/11 11:24 | WSD |
| Vinyl Chloride | ND | 0.050 | | ND | 0.13 | 1 | 12/9/11 11:24 | WSD |
| m&p-Xylene | 3.7 | 0.10 | | 16 | 0.43 | 1 | 12/9/11 11:24 | WSD |
| o-Xylene | 1.2 | 0.050 | | 5.4 | 0.22 | 1 | 12/9/11 11:24 | WSD |

ANALYTICAL RESULTS

Project Location: Springfield St.
 Date Received: 12/7/2011
Field Sample #: WB-2
Sample ID: 11L0242-02
 Sample Matrix: Air
 Sampled: 12/6/2011 11:50

Sample Description/Location:
 Sub Description/Location:
 Canister ID:
 Canister Size:
 Flow Controller ID:
 Sample Type:

Work Order: 11L0242
 Initial Vacuum(in Hg):
 Final Vacuum(in Hg):
 Receipt Vacuum(in Hg):
 Flow Controller Type:
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-14A

Sample Flags: A-09

| Analyte | ppbv | | Flag | ug/m3 | | Dilution | Date/Time Analyzed | Analyst |
|--------------------------|------------|-----|------|--------------|--------|----------|--------------------|---------|
| | Results | RL | | Results | RL | | | |
| Surrogates | % Recovery | | | % REC Limits | | | | |
| 4-Bromofluorobenzene (1) | | 101 | | | 70-130 | | 12/9/11 11:24 | |

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-14A

| Lab Number [Field ID] | Batch | Pressure Dilution | Pre Dilution | Pre-Dil Initial mL | Pre-Dil Final mL | Default Injection mL | Actual Injection mL | Date |
|-----------------------|---------|-------------------|--------------|--------------------|------------------|----------------------|---------------------|----------|
| 11L0242-01 [MPL-6] | B042649 | 1 | 1 | N/A | 1000 | 400 | 400 | 12/08/11 |
| 11L0242-02 [WB-2] | B042649 | 1 | 1 | N/A | 1000 | 400 | 400 | 12/08/11 |

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

| Analyte | ppbv | | ug/m3 | | Spike Level | Source | %REC | %REC | RPD | RPD | Flag |
|--|---------|-------|---------|----|-------------|-------------------------------|------|--------|-----|-----|------|
| | Results | RL | Results | RL | ppbv | Result | %REC | Limits | RPD | | |
| Batch B042649 - TO-15 Prep | | | | | | | | | | | |
| Blank (B042649-BLK1) | | | | | | Prepared & Analyzed: 12/08/11 | | | | | |
| Benzene | ND | 0.025 | | | | | | | | | |
| Bromomethane | ND | 0.025 | | | | | | | | | |
| Carbon Tetrachloride | ND | 0.025 | | | | | | | | | |
| Chlorobenzene | ND | 0.025 | | | | | | | | | |
| Chloroethane | ND | 0.025 | | | | | | | | | |
| Chloroform | ND | 0.025 | | | | | | | | | |
| Chloromethane | ND | 0.025 | | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.025 | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.025 | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.025 | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.025 | | | | | | | | | |
| Dichlorodifluoromethane (Freon 12) | ND | 0.025 | | | | | | | | | |
| 1,1-Dichloroethane | ND | 0.025 | | | | | | | | | |
| 1,2-Dichloroethane | ND | 0.025 | | | | | | | | | |
| 1,1-Dichloroethylene | ND | 0.025 | | | | | | | | | |
| cis-1,2-Dichloroethylene | ND | 0.025 | | | | | | | | | |
| 1,2-Dichloropropane | ND | 0.025 | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.025 | | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.025 | | | | | | | | | |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | ND | 0.025 | | | | | | | | | |
| Ethylbenzene | ND | 0.025 | | | | | | | | | |
| Hexachlorobutadiene | ND | 0.025 | | | | | | | | | |
| Methylene Chloride | ND | 0.25 | | | | | | | | | |
| Styrene | ND | 0.025 | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.025 | | | | | | | | | |
| Tetrachloroethylene | ND | 0.025 | | | | | | | | | |
| Toluene | ND | 0.025 | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.025 | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.025 | | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.025 | | | | | | | | | |
| Trichloroethylene | ND | 0.025 | | | | | | | | | |
| Trichlorofluoromethane (Freon 11) | ND | 0.025 | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.025 | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.025 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.025 | | | | | | | | | |
| Vinyl Chloride | ND | 0.025 | | | | | | | | | |
| m&p-Xylene | ND | 0.050 | | | | | | | | | |
| o-Xylene | ND | 0.025 | | | | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene (1)</i> | 7.38 | | | | 8.00 | | 92.3 | 70-130 | | | |

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

| Analyte | ppbv | | ug/m3 | | Spike Level | Source | %REC | %REC | RPD | RPD | Flag |
|--|---------|----|---------|----|-------------|-------------------------------|--------|--------|-------|-----|------|
| | Results | RL | Results | RL | ppbv | Result | Limits | RPD | Limit | | |
| Batch B042649 - TO-15 Prep | | | | | | | | | | | |
| LCS (B042649-BS1) | | | | | | Prepared & Analyzed: 12/08/11 | | | | | |
| Benzene | 4.00 | | | | 5.00 | | 80.0 | 70-130 | | | |
| Bromomethane | 5.37 | | | | 5.00 | | 107 | 70-130 | | | |
| Carbon Tetrachloride | 5.20 | | | | 5.00 | | 104 | 70-130 | | | |
| Chlorobenzene | 4.44 | | | | 5.00 | | 88.8 | 70-130 | | | |
| Chloroethane | 5.58 | | | | 5.00 | | 112 | 70-130 | | | |
| Chloroform | 4.73 | | | | 5.00 | | 94.7 | 70-130 | | | |
| Chloromethane | 5.80 | | | | 5.00 | | 116 | 70-130 | | | |
| 1,2-Dibromoethane (EDB) | 4.42 | | | | 5.00 | | 88.4 | 70-130 | | | |
| 1,2-Dichlorobenzene | 4.62 | | | | 5.00 | | 92.4 | 70-130 | | | |
| 1,3-Dichlorobenzene | 4.83 | | | | 5.00 | | 96.6 | 70-130 | | | |
| 1,4-Dichlorobenzene | 4.65 | | | | 5.00 | | 93.0 | 70-130 | | | |
| Dichlorodifluoromethane (Freon 12) | 5.65 | | | | 5.00 | | 113 | 70-130 | | | |
| 1,1-Dichloroethane | 4.55 | | | | 5.00 | | 91.0 | 70-130 | | | |
| 1,2-Dichloroethane | 4.44 | | | | 5.00 | | 88.8 | 70-130 | | | |
| 1,1-Dichloroethylene | 4.50 | | | | 5.00 | | 90.1 | 70-130 | | | |
| cis-1,2-Dichloroethylene | 4.39 | | | | 5.00 | | 87.7 | 70-130 | | | |
| 1,2-Dichloropropane | 4.20 | | | | 5.00 | | 83.9 | 70-130 | | | |
| cis-1,3-Dichloropropene | 4.50 | | | | 5.00 | | 90.0 | 70-130 | | | |
| trans-1,3-Dichloropropene | 4.03 | | | | 5.00 | | 80.5 | 70-130 | | | |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | 6.12 | | | | 5.00 | | 122 | 70-130 | | | |
| Ethylbenzene | 4.54 | | | | 5.00 | | 90.9 | 70-130 | | | |
| Hexachlorobutadiene | 4.37 | | | | 5.00 | | 87.5 | 70-130 | | | |
| Methylene Chloride | 4.80 | | | | 5.00 | | 96.0 | 70-130 | | | |
| Styrene | 4.53 | | | | 5.00 | | 90.5 | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 4.60 | | | | 5.00 | | 92.0 | 70-130 | | | |
| Tetrachloroethylene | 4.23 | | | | 5.00 | | 84.7 | 70-130 | | | |
| Toluene | 4.55 | | | | 5.00 | | 91.0 | 70-130 | | | |
| 1,2,4-Trichlorobenzene | 4.72 | | | | 5.00 | | 94.4 | 70-130 | | | |
| 1,1,1-Trichloroethane | 4.38 | | | | 5.00 | | 87.7 | 70-130 | | | |
| 1,1,2-Trichloroethane | 4.54 | | | | 5.00 | | 90.8 | 70-130 | | | |
| Trichloroethylene | 4.28 | | | | 5.00 | | 85.5 | 70-130 | | | |
| Trichlorofluoromethane (Freon 11) | 5.49 | | | | 5.00 | | 110 | 70-130 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 5.12 | | | | 5.00 | | 102 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 4.56 | | | | 5.00 | | 91.3 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 4.64 | | | | 5.00 | | 92.9 | 70-130 | | | |
| Vinyl Chloride | 5.62 | | | | 5.00 | | 112 | 70-130 | | | |
| m&p-Xylene | 9.61 | | | | 10.0 | | 96.1 | 70-130 | | | |
| o-Xylene | 4.68 | | | | 5.00 | | 93.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene (1) | 7.60 | | | | 8.00 | | 95.0 | 70-130 | | | |

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- A-09 Holding times and stability of samples taken in tedlar bags have not been determined

CERTIFICATIONS

Certified Analyses included in this Report

| Analyte | Certifications |
|--|----------------|
| <i>EPA TO-14A in Air</i> | |
| Benzene | AIHA,FL,NY |
| Bromomethane | AIHA,FL,NY |
| Carbon Tetrachloride | AIHA,FL,NY |
| Chlorobenzene | AIHA,FL,NY |
| Chloroethane | AIHA,FL,NY |
| Chloroform | AIHA,FL,NY |
| Chloromethane | AIHA,FL,NY |
| 1,2-Dichlorobenzene | AIHA,FL,NY |
| 1,3-Dichlorobenzene | AIHA,FL,NY |
| 1,4-Dichlorobenzene | AIHA,FL,NY |
| Dichlorodifluoromethane (Freon 12) | AIHA,FL,NY |
| 1,1-Dichloroethane | AIHA,FL,NY |
| 1,2-Dichloroethane | AIHA,FL,NY |
| 1,1-Dichloroethylene | AIHA,FL,NY |
| cis-1,2-Dichloroethylene | AIHA,FL,NY |
| 1,2-Dichloropropane | AIHA,FL,NY |
| cis-1,3-Dichloropropene | AIHA,FL,NY |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | AIHA,FL,NY |
| Ethylbenzene | AIHA,FL,NY |
| Hexachlorobutadiene | AIHA,FL,NY |
| Methylene Chloride | AIHA,FL,NY |
| Styrene | AIHA,FL,NY |
| 1,1,2,2-Tetrachloroethane | AIHA,FL,NY |
| Tetrachloroethylene | AIHA,FL,NY |
| Toluene | AIHA,FL,NY |
| 1,2,4-Trichlorobenzene | AIHA,FL,NY |
| 1,1,1-Trichloroethane | AIHA,FL,NY |
| 1,1,2-Trichloroethane | AIHA,FL,NY |
| Trichloroethylene | AIHA,FL,NY |
| Trichlorofluoromethane (Freon 11) | AIHA,FL,NY |
| 1,2,4-Trimethylbenzene | AIHA,FL,NY |
| 1,3,5-Trimethylbenzene | AIHA,FL,NY |
| Vinyl Chloride | AIHA,FL,NY |
| m&p-Xylene | AIHA,FL,NY |
| o-Xylene | AIHA,FL,NY |

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

| Code | Description | Number | Expires |
|------|--|---------------|------------|
| AIHA | AIHA-LAP, LLC | 100033 | 01/1/2012 |
| MA | Massachusetts DEP | M-MA100 | 06/30/2012 |
| CT | Connecticut Department of Public Health | PH-0567 | 09/30/2013 |
| NY | New York State Department of Health | 10899 NELAP | 04/1/2012 |
| NH | New Hampshire Environmental Lab | 2516 NELAP | 02/5/2012 |
| RI | Rhode Island Department of Health | LAO00112 | 12/30/2011 |
| NC | North Carolina Div. of Water Quality | 652 | 12/31/2011 |
| NJ | New Jersey DEP | MA007 NELAP | 06/30/2012 |
| FL | Florida Department of Health | E871027 NELAP | 06/30/2012 |
| VT | Vermont Department of Health Lead Laboratory | LL015036 | 07/30/2012 |
| WA | State of Washington Department of Ecology | C2065 | 02/23/2012 |
| ME | State of Maine | 2011028 | 06/9/2013 |



ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

Company Name: ARCADIS

Address: 300 Metro Center Blvd.

Warwick, RI 02886

Attention: Donna Pallister

Project Location: Springfield St.

Sampled By: Andrew Pusilva

Project Proposal Provided? (for billing purposes)
 Yes No proposal date

Telephone: (401)-738-3887
Project # WK0121520007
Client PO#

DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE

Fax #
Email: donna.pallister@arcadis.com
Format: OPDF EXCEL OGIS
 OTHER

Collection "Enhanced Data Package"

| Con-Test Lab ID (laboratory use only) | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | Composite | Grab | *Matrix Code | *Name Code | | | | Collection | |
|--|--------------------------------|---------------------|------------------|-------------------------------------|-------------------------------------|--------------|------------|-------------------------------------|--|--|--------------|-----------------|
| | | | | | | | | | | | Date/Time | Date/Time |
| <u>D1</u> | <u>MPL-6</u> | <u>12/6/11</u> | <u>14:00</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>A</u> | | <input checked="" type="checkbox"/> | | | <u>10-14</u> | <u>VOC 8260</u> |
| <u>O2</u> | <u>WB-2</u> | <u>12/6/11</u> | <u>11:50</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>A</u> | | <input checked="" type="checkbox"/> | | | | |
| | <u>ATC-1</u> | <u>12/2/11</u> | <u>17:10</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>GW</u> | | <input checked="" type="checkbox"/> | | | | |
| | <u>MW-7</u> | <u>12/5/11</u> | <u>11:57</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>GW</u> | | <input checked="" type="checkbox"/> | | | | |
| | <u>MW-6</u> | <u>12/2/11</u> | <u>16:00</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>GW</u> | | <input checked="" type="checkbox"/> | | | | |
| | <u>ATC-4</u> | <u>12/2/11</u> | <u>13:10</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>GW</u> | | <input checked="" type="checkbox"/> | | | | |
| | <u>MW-8</u> | <u>12/2/11</u> | <u>15:20</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>GW</u> | | <input checked="" type="checkbox"/> | | | | |
| | <u>Trip Blank</u> | | | | | | | | | | | |

Comments: _____

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Turnaround [†]
 7-Day
 10-Day
 Other STP
RUSH [†]
 24-Hr 48-Hr
 72-Hr 14-Day

Require lab approval _____

Detection Limit Requirements
Massachusetts: _____
Connecticut: _____
Other: Rhode Island

Received by: (signature) [Signature]
Date/Time: 12/6/11 16:40

Received by: (signature) [Signature]
Date/Time: 12/7/11 10:55

Received by: (signature) [Signature]
Date/Time: 12/7/11 15:40

Received by: (signature) [Signature]
Date/Time: 12/7/11 15:00

Is your project MCP or RCP ?

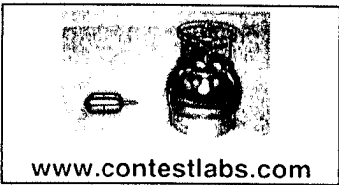
MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required PWSID # _____

NEIAC & AIHA Certified
WBE/DBE Certified

ACREDITED IN ACCORDANCE WITH
neiac
ACCREDITED BY
AIHA

NEIAC & AIHA Certified
WBE/DBE Certified

† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.
PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



39 Spruce St.
 East Longmeadow, MA.
 01028
 P: 413-525-2332
 F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME: Arcadis RECEIVED BY: PB DATE: 12/7/11

- 1) Was the chain(s) of custody relinquished and signed? Yes No
 - 2) Does the chain agree with the samples?
 If not, explain: Yes No
 - 3) Are all the samples in good condition?
 If not, explain: Yes No
 - 4) Are there any samples "On Hold"? Yes No Stored where:
 - 5) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
- Who was notified _____ Date _____ Time _____

6) Location where samples are stored: Air Lab

Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

| Air Media received at Con-Test | | | |
|--------------------------------|-------------|-----------------|------------------------|
| | | # of Containers | Types (Size, Duration) |
| Air Sampling Media | Summa Cans | | |
| | Tedlar Bags | 2 | |
| | Tubes | | |
| Flow Controllers | Regulators | | |
| | Restrictors | | |
| Extras | Tubing | | |
| | Other | | |

Unused Summas:

Unused Regulators:

- 1) Was all media (used & unused checked into the WASP?
- 2) Were all returned summa cans, Restrictors, & Regulators documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

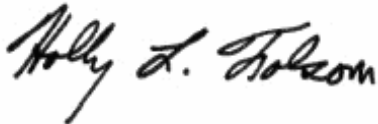
December 16, 2011

Donna Pallister
Arcadis US, Inc. - Warwick, RI
300 Metro Center Blvd., Suite 250
Warwick, RI 02886

Project Location: Springfield St.
Client Job Number:
Project Number: WK012152.0007
Laboratory Work Order Number: 11L0213

Enclosed are results of analyses for samples received by the laboratory on December 7, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Holly L. Folsom". The signature is written in a cursive, flowing style.

Holly L. Folsom
Project Manager

Arcadis US, Inc. - Warwick, RI
300 Metro Center Blvd., Suite 250
Warwick, RI 02886
ATTN: Donna Pallister

REPORT DATE: 12/16/2011

PURCHASE ORDER NUMBER: 5131

PROJECT NUMBER: WK012152.0007

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11L0213

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Springfield St.

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|----------------|------------|------------------|--------------------|--------------|---------|
| ATC-1 | 11L0213-01 | Ground Water | | SW-846 8260C | |
| MW-7 | 11L0213-02 | Ground Water | | SW-846 8260C | |
| MW-6 | 11L0213-03 | Ground Water | | SW-846 8260C | |
| ATC-4 | 11L0213-04 | Ground Water | | SW-846 8260C | |
| MW-8 | 11L0213-05 | Ground Water | | SW-846 8260C | |
| Trip Blank | 11L0213-06 | Trip Blank Water | | SW-846 8260C | |

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260C

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Isopropylbenzene (Cumene), trans-1,4-Dichloro-2-butene**B042845-BS1, B042845-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:**Carbon Disulfide**B042845-BS1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**Bromomethane, Carbon Disulfide, Chloromethane, Dichlorodifluoromethane (Freon 12), Vinyl Chloride**11L0213-01[ATC-1], 11L0213-02[MW-7], 11L0213-03[MW-6], 11L0213-04[ATC-4], 11L0213-05[MW-8], 11L0213-06[Trip Blank], B042845-BLK1, B042845-BS1, B042845-BSD1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Bromomethane, Dichlorodifluoromethane (Freon 12)**11L0213-01[ATC-1], 11L0213-02[MW-7], 11L0213-03[MW-6], 11L0213-04[ATC-4], 11L0213-05[MW-8], 11L0213-06[Trip Blank], B042845-BLK1, B042845-BS1, B042845-BSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Isopropylbenzene (Cumene)**B042845-BS1, B042845-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:**1,4-Dioxane, tert-Butyl Alcohol (TBA)**11L0213-01[ATC-1], 11L0213-02[MW-7], 11L0213-03[MW-6], 11L0213-04[ATC-4], 11L0213-05[MW-8], 11L0213-06[Trip Blank], B042845-BLK1, B042845-BS1, B042845-BSD1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Acetone, Carbon Disulfide**B042845-BS1, B042845-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "M. Erickson", is written on a light gray rectangular background.

Michael A. Erickson
Laboratory Director

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: ATC-1

Sampled: 12/2/2011 17:10

Sample ID: 11L0213-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|------|-------|----------|------------|--------------|---------------|--------------------|---------|
| Acetone | ND | 50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Acrylonitrile | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| tert-Amyl Methyl Ether (TAME) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Benzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Bromobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Bromochloromethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Bromomethane | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 2-Butanone (MEK) | ND | 20 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| tert-Butyl Alcohol (TBA) | ND | 20 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| tert-Butyl Ethyl Ether (TBEE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Carbon Disulfide | ND | 10 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Carbon Tetrachloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Chlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Chloroethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Chloroform | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Chloromethane | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 2-Chlorotoluene | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 4-Chlorotoluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Dibromomethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,2-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,3-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,4-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,1-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,2-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,1-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| cis-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 2,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,1-Dichloropropene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: ATC-1

Sampled: 12/2/2011 17:10

Sample ID: 11L0213-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---------|------|-------|----------|------|--------------|---------------|--------------------|---------|
| Diethyl Ether | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Diisopropyl Ether (DIPE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,4-Dioxane | ND | 50 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Hexachlorobutadiene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 2-Hexanone (MBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,2,3-Trichlorobenzene | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,2,4-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,3,5-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,1,1-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,1,2-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,2,3-Trichloropropane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| Vinyl Chloride | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 20:46 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag |
|-----------------------|------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 | 102 | 70-130 | 12/15/11 20:46 |
| Toluene-d8 | 101 | 70-130 | 12/15/11 20:46 |
| 4-Bromofluorobenzene | 94.2 | 70-130 | 12/15/11 20:46 |

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: MW-7

Sampled: 12/2/2011 11:57

Sample ID: 11L0213-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|------|-------|----------|------------|--------------|---------------|--------------------|---------|
| Acetone | ND | 50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Acrylonitrile | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| tert-Amyl Methyl Ether (TAME) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Benzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Bromobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Bromochloromethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Bromomethane | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 2-Butanone (MEK) | ND | 20 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| tert-Butyl Alcohol (TBA) | ND | 20 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| tert-Butyl Ethyl Ether (TBEE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Carbon Disulfide | ND | 10 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Carbon Tetrachloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Chlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Chloroethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Chloroform | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Chloromethane | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 2-Chlorotoluene | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 4-Chlorotoluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Dibromomethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,2-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,3-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,4-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,1-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,2-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,1-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| cis-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 2,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,1-Dichloropropene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: MW-7

Sampled: 12/2/2011 11:57

Sample ID: 11L0213-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---------|------|-------|----------|------|--------------|---------------|--------------------|---------|
| Diethyl Ether | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Diisopropyl Ether (DIPE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,4-Dioxane | ND | 50 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Hexachlorobutadiene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 2-Hexanone (MBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,2,3-Trichlorobenzene | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,2,4-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,3,5-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,1,1-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,1,2-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,2,3-Trichloropropane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| Vinyl Chloride | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:16 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag |
|-----------------------|------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 | 110 | 70-130 | 12/15/11 21:16 |
| Toluene-d8 | 94.1 | 70-130 | 12/15/11 21:16 |
| 4-Bromofluorobenzene | 98.6 | 70-130 | 12/15/11 21:16 |

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: MW-6

Sampled: 12/2/2011 16:00

Sample ID: 11L0213-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|------|-------|----------|------------|--------------|---------------|--------------------|---------|
| Acetone | ND | 50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Acrylonitrile | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| tert-Amyl Methyl Ether (TAME) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Benzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Bromobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Bromochloromethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Bromomethane | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 2-Butanone (MEK) | ND | 20 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| tert-Butyl Alcohol (TBA) | ND | 20 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| tert-Butyl Ethyl Ether (TBEE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Carbon Disulfide | ND | 10 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Carbon Tetrachloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Chlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Chloroethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Chloroform | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Chloromethane | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 2-Chlorotoluene | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 4-Chlorotoluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Dibromomethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,2-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,3-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,4-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,1-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,2-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,1-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| cis-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 2,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,1-Dichloropropene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: MW-6

Sampled: 12/2/2011 16:00

Sample ID: 11L0213-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---------|------|-------|----------|------|--------------|---------------|--------------------|---------|
| Diethyl Ether | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Diisopropyl Ether (DIPE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,4-Dioxane | ND | 50 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Hexachlorobutadiene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 2-Hexanone (MBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,2,3-Trichlorobenzene | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,2,4-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,3,5-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,1,1-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,1,2-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,2,3-Trichloropropane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| Vinyl Chloride | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 21:47 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag |
|-----------------------|------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 | 105 | 70-130 | 12/15/11 21:47 |
| Toluene-d8 | 99.2 | 70-130 | 12/15/11 21:47 |
| 4-Bromofluorobenzene | 104 | 70-130 | 12/15/11 21:47 |

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: ATC-4

Sampled: 12/2/2011 13:10

Sample ID: 11L0213-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|------|-------|----------|------------|--------------|---------------|--------------------|---------|
| Acetone | ND | 50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Acrylonitrile | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| tert-Amyl Methyl Ether (TAME) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Benzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Bromobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Bromochloromethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Bromomethane | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 2-Butanone (MEK) | ND | 20 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| tert-Butyl Alcohol (TBA) | ND | 20 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| tert-Butyl Ethyl Ether (TBEE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Carbon Disulfide | ND | 10 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Carbon Tetrachloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Chlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Chloroethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Chloroform | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Chloromethane | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 2-Chlorotoluene | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 4-Chlorotoluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Dibromomethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,2-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,3-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,4-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,1-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,2-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,1-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| cis-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 2,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,1-Dichloropropene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: ATC-4

Sampled: 12/2/2011 13:10

Sample ID: 11L0213-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---------|------|-------|----------|------|--------------|---------------|--------------------|---------|
| Diethyl Ether | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Diisopropyl Ether (DIPE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,4-Dioxane | ND | 50 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Hexachlorobutadiene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 2-Hexanone (MBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,2,3-Trichlorobenzene | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,2,4-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,3,5-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,1,1-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,1,2-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Trichloroethylene | 1.3 | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,2,3-Trichloropropane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| Vinyl Chloride | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:17 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag |
|-----------------------|------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 | 111 | 70-130 | 12/15/11 22:17 |
| Toluene-d8 | 112 | 70-130 | 12/15/11 22:17 |
| 4-Bromofluorobenzene | 104 | 70-130 | 12/15/11 22:17 |

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: MW-8

Sampled: 12/2/2011 15:20

Sample ID: 11L0213-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|------|-------|----------|------------|--------------|---------------|--------------------|---------|
| Acetone | ND | 50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Acrylonitrile | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| tert-Amyl Methyl Ether (TAME) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Benzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Bromobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Bromochloromethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Bromomethane | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 2-Butanone (MEK) | ND | 20 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| tert-Butyl Alcohol (TBA) | ND | 20 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| tert-Butyl Ethyl Ether (TBEE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Carbon Disulfide | ND | 10 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Carbon Tetrachloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Chlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Chloroethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Chloroform | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Chloromethane | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 2-Chlorotoluene | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 4-Chlorotoluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Dibromomethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,2-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,3-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,4-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,1-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,2-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,1-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| cis-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 2,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,1-Dichloropropene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: MW-8

Sampled: 12/2/2011 15:20

Sample ID: 11L0213-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---------|------|-------|----------|------|--------------|---------------|--------------------|---------|
| Diethyl Ether | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Diisopropyl Ether (DIPE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,4-Dioxane | ND | 50 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Hexachlorobutadiene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 2-Hexanone (MBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,2,3-Trichlorobenzene | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,2,4-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,3,5-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,1,1-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,1,2-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,2,3-Trichloropropane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| Vinyl Chloride | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 22:48 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag |
|-----------------------|------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 | 105 | 70-130 | 12/15/11 22:48 |
| Toluene-d8 | 103 | 70-130 | 12/15/11 22:48 |
| 4-Bromofluorobenzene | 92.6 | 70-130 | 12/15/11 22:48 |

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: Trip Blank

Sampled: 12/2/2011 00:00

Sample ID: 11L0213-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|------|-------|----------|------------|--------------|---------------|--------------------|---------|
| Acetone | ND | 50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Acrylonitrile | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| tert-Amyl Methyl Ether (TAME) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Benzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Bromobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Bromochloromethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Bromodichloromethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Bromoform | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Bromomethane | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 2-Butanone (MEK) | ND | 20 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| tert-Butyl Alcohol (TBA) | ND | 20 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| n-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| sec-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| tert-Butylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| tert-Butyl Ethyl Ether (TBEE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Carbon Disulfide | ND | 10 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Carbon Tetrachloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Chlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Chlorodibromomethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Chloroethane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Chloroform | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Chloromethane | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 2-Chlorotoluene | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 4-Chlorotoluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Dibromomethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,2-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,3-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,4-Dichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | µg/L | 1 | R-05, V-05 | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,1-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,2-Dichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,1-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| cis-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 2,2-Dichloropropane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,1-Dichloropropene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |

Project Location: Springfield St.

Sample Description:

Work Order: 11L0213

Date Received: 12/7/2011

Field Sample #: Trip Blank

Sampled: 12/2/2011 00:00

Sample ID: 11L0213-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---------|------|-------|----------|------|--------------|---------------|--------------------|---------|
| Diethyl Ether | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Diisopropyl Ether (DIPE) | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,4-Dioxane | ND | 50 | µg/L | 1 | V-16 | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Hexachlorobutadiene | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 2-Hexanone (MBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Methylene Chloride | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Naphthalene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| n-Propylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Styrene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Tetrachloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Tetrahydrofuran | ND | 10 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Toluene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,2,3-Trichlorobenzene | ND | 5.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,2,4-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,3,5-Trichlorobenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,1,1-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,1,2-Trichloroethane | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Trichloroethylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,2,3-Trichloropropane | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| Vinyl Chloride | ND | 2.0 | µg/L | 1 | R-05 | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| m+p Xylene | ND | 2.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |
| o-Xylene | ND | 1.0 | µg/L | 1 | | SW-846 8260C | 12/15/11 | 12/15/11 19:46 | LBD |

| Surrogates | % Recovery | Recovery Limits | Flag |
|-----------------------|------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 | 106 | 70-130 | 12/15/11 19:46 |
| Toluene-d8 | 94.6 | 70-130 | 12/15/11 19:46 |
| 4-Bromofluorobenzene | 105 | 70-130 | 12/15/11 19:46 |

Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|-------------------------|---------|--------------|------------|----------|
| 11L0213-01 [ATC-1] | B042845 | 5 | 5.00 | 12/15/11 |
| 11L0213-02 [MW-7] | B042845 | 5 | 5.00 | 12/15/11 |
| 11L0213-03 [MW-6] | B042845 | 5 | 5.00 | 12/15/11 |
| 11L0213-04 [ATC-4] | B042845 | 5 | 5.00 | 12/15/11 |
| 11L0213-05 [MW-8] | B042845 | 5 | 5.00 | 12/15/11 |
| 11L0213-06 [Trip Blank] | B042845 | 5 | 5.00 | 12/15/11 |

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch B042845 - SW-846 5030B

Blank (B042845-BLK1)

Prepared & Analyzed: 12/15/11

| | | | | | | | | | | |
|------------------------------------|----|------|------|--|--|--|--|--|--|------------|
| Acetone | ND | 50 | µg/L | | | | | | | |
| Acrylonitrile | ND | 5.0 | µg/L | | | | | | | |
| tert-Amyl Methyl Ether (TAME) | ND | 0.50 | µg/L | | | | | | | |
| Benzene | ND | 1.0 | µg/L | | | | | | | |
| Bromobenzene | ND | 1.0 | µg/L | | | | | | | |
| Bromochloromethane | ND | 1.0 | µg/L | | | | | | | |
| Bromodichloromethane | ND | 0.50 | µg/L | | | | | | | |
| Bromoform | ND | 1.0 | µg/L | | | | | | | |
| Bromomethane | ND | 2.0 | µg/L | | | | | | | R-05, V-05 |
| 2-Butanone (MEK) | ND | 20 | µg/L | | | | | | | |
| tert-Butyl Alcohol (TBA) | ND | 20 | µg/L | | | | | | | V-16 |
| n-Butylbenzene | ND | 1.0 | µg/L | | | | | | | |
| sec-Butylbenzene | ND | 1.0 | µg/L | | | | | | | |
| tert-Butylbenzene | ND | 1.0 | µg/L | | | | | | | |
| tert-Butyl Ethyl Ether (TBEE) | ND | 0.50 | µg/L | | | | | | | |
| Carbon Disulfide | ND | 10 | µg/L | | | | | | | R-05 |
| Carbon Tetrachloride | ND | 5.0 | µg/L | | | | | | | |
| Chlorobenzene | ND | 1.0 | µg/L | | | | | | | |
| Chlorodibromomethane | ND | 0.50 | µg/L | | | | | | | |
| Chloroethane | ND | 2.0 | µg/L | | | | | | | |
| Chloroform | ND | 2.0 | µg/L | | | | | | | |
| Chloromethane | ND | 2.0 | µg/L | | | | | | | R-05 |
| 2-Chlorotoluene | ND | 10 | µg/L | | | | | | | |
| 4-Chlorotoluene | ND | 1.0 | µg/L | | | | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | µg/L | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | µg/L | | | | | | | |
| Dibromomethane | ND | 1.0 | µg/L | | | | | | | |
| 1,2-Dichlorobenzene | ND | 1.0 | µg/L | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1.0 | µg/L | | | | | | | |
| 1,4-Dichlorobenzene | ND | 1.0 | µg/L | | | | | | | |
| trans-1,4-Dichloro-2-butene | ND | 2.0 | µg/L | | | | | | | |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | µg/L | | | | | | | V-05, R-05 |
| 1,1-Dichloroethane | ND | 1.0 | µg/L | | | | | | | |
| 1,2-Dichloroethane | ND | 1.0 | µg/L | | | | | | | |
| 1,1-Dichloroethylene | ND | 1.0 | µg/L | | | | | | | |
| cis-1,2-Dichloroethylene | ND | 1.0 | µg/L | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 1.0 | µg/L | | | | | | | |
| 1,2-Dichloropropane | ND | 1.0 | µg/L | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | µg/L | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | µg/L | | | | | | | |
| 1,1-Dichloropropene | ND | 2.0 | µg/L | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | µg/L | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | µg/L | | | | | | | |
| Diethyl Ether | ND | 2.0 | µg/L | | | | | | | |
| Diisopropyl Ether (DIPE) | ND | 0.50 | µg/L | | | | | | | |
| 1,4-Dioxane | ND | 50 | µg/L | | | | | | | V-16 |
| Ethylbenzene | ND | 1.0 | µg/L | | | | | | | |
| Hexachlorobutadiene | ND | 0.50 | µg/L | | | | | | | |
| 2-Hexanone (MBK) | ND | 10 | µg/L | | | | | | | |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | | | | | | | |
| p-Isopropyltoluene (p-Cymene) | ND | 1.0 | µg/L | | | | | | | |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | µg/L | | | | | | | |

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|-------------------------------|--------------|-------------|-----|-----------|-------------------|
| Batch B042845 - SW-846 5030B | | | | | | | | | | |
| Blank (B042845-BLK1) | | | | | Prepared & Analyzed: 12/15/11 | | | | | |
| Methylene Chloride | ND | 5.0 | µg/L | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | µg/L | | | | | | | |
| Naphthalene | ND | 2.0 | µg/L | | | | | | | |
| n-Propylbenzene | ND | 1.0 | µg/L | | | | | | | |
| Styrene | ND | 1.0 | µg/L | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | µg/L | | | | | | | |
| Tetrachloroethylene | ND | 1.0 | µg/L | | | | | | | |
| Tetrahydrofuran | ND | 10 | µg/L | | | | | | | |
| Toluene | ND | 1.0 | µg/L | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | µg/L | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | µg/L | | | | | | | |
| 1,3,5-Trichlorobenzene | ND | 1.0 | µg/L | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1.0 | µg/L | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.0 | µg/L | | | | | | | |
| Trichloroethylene | ND | 1.0 | µg/L | | | | | | | |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | | | | | | | |
| 1,2,3-Trichloropropane | ND | 2.0 | µg/L | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | µg/L | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L | | | | | | | |
| Vinyl Chloride | ND | 2.0 | µg/L | | | | | | | R-05 |
| m+p Xylene | ND | 2.0 | µg/L | | | | | | | |
| o-Xylene | ND | 1.0 | µg/L | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 26.8 | | µg/L | 25.0 | | 107 | 70-130 | | | |
| Surrogate: Toluene-d8 | 25.3 | | µg/L | 25.0 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 22.8 | | µg/L | 25.0 | | 91.2 | 70-130 | | | |
| LCS (B042845-BS1) | | | | | Prepared & Analyzed: 12/15/11 | | | | | |
| Acetone | 129 | 50 | µg/L | 100 | | 129 | 70-160 | | | V-20 † |
| Acrylonitrile | 9.61 | 5.0 | µg/L | 10.0 | | 96.1 | 70-130 | | | |
| tert-Amyl Methyl Ether (TAME) | 9.32 | 0.50 | µg/L | 10.0 | | 93.2 | 70-130 | | | |
| Benzene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | | | |
| Bromobenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | |
| Bromochloromethane | 11.6 | 1.0 | µg/L | 10.0 | | 116 | 70-130 | | | |
| Bromodichloromethane | 8.87 | 0.50 | µg/L | 10.0 | | 88.7 | 70-130 | | | |
| Bromoform | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Bromomethane | 5.52 | 2.0 | µg/L | 10.0 | | 55.2 | 40-160 | | | R-05, V-05 † |
| 2-Butanone (MEK) | 121 | 20 | µg/L | 100 | | 121 | 40-160 | | | † |
| tert-Butyl Alcohol (TBA) | 94.5 | 20 | µg/L | 100 | | 94.5 | 40-160 | | | V-16 † |
| n-Butylbenzene | 9.81 | 1.0 | µg/L | 10.0 | | 98.1 | 70-130 | | | |
| sec-Butylbenzene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| tert-Butylbenzene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| tert-Butyl Ethyl Ether (TBEE) | 10.9 | 0.50 | µg/L | 10.0 | | 109 | 70-130 | | | |
| Carbon Disulfide | 13.1 | 10 | µg/L | 10.0 | | 131 * | 70-130 | | | L-07A, R-05, V-20 |
| Carbon Tetrachloride | 10.4 | 5.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Chlorobenzene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | | | |
| Chlorodibromomethane | 11.5 | 0.50 | µg/L | 10.0 | | 115 | 70-130 | | | |
| Chloroethane | 9.13 | 2.0 | µg/L | 10.0 | | 91.3 | 70-130 | | | |
| Chloroform | 11.1 | 2.0 | µg/L | 10.0 | | 111 | 70-130 | | | |
| Chloromethane | 7.85 | 2.0 | µg/L | 10.0 | | 78.5 | 40-160 | | | R-05 † |
| 2-Chlorotoluene | 11.6 | 10 | µg/L | 10.0 | | 116 | 70-130 | | | |

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|---------------|--------------|-------------|-----|-----------|--------------|
| Batch B042845 - SW-846 5030B | | | | | | | | | | |
| LCS (B042845-BS1) | | | | | | | | | | |
| Prepared & Analyzed: 12/15/11 | | | | | | | | | | |
| 4-Chlorotoluene | 11.3 | 1.0 | µg/L | 10.0 | | 113 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 7.67 | 5.0 | µg/L | 10.0 | | 76.7 | 70-130 | | | |
| 1,2-Dibromoethane (EDB) | 10.9 | 0.50 | µg/L | 10.0 | | 109 | 70-130 | | | |
| Dibromomethane | 10.9 | 1.0 | µg/L | 10.0 | | 109 | 70-130 | | | |
| 1,2-Dichlorobenzene | 11.5 | 1.0 | µg/L | 10.0 | | 115 | 70-130 | | | |
| 1,3-Dichlorobenzene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| 1,4-Dichlorobenzene | 9.95 | 1.0 | µg/L | 10.0 | | 99.5 | 70-130 | | | |
| trans-1,4-Dichloro-2-butene | 10.7 | 2.0 | µg/L | 10.0 | | 107 | 70-130 | | | |
| Dichlorodifluoromethane (Freon 12) | 6.35 | 2.0 | µg/L | 10.0 | | 63.5 | 40-160 | | | V-05, R-05 † |
| 1,1-Dichloroethane | 11.5 | 1.0 | µg/L | 10.0 | | 115 | 70-130 | | | |
| 1,2-Dichloroethane | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | |
| 1,1-Dichloroethylene | 8.97 | 1.0 | µg/L | 10.0 | | 89.7 | 70-130 | | | |
| cis-1,2-Dichloroethylene | 11.8 | 1.0 | µg/L | 10.0 | | 118 | 70-130 | | | |
| trans-1,2-Dichloroethylene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| 1,2-Dichloropropane | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | |
| 1,3-Dichloropropane | 10.8 | 0.50 | µg/L | 10.0 | | 108 | 70-130 | | | |
| 2,2-Dichloropropane | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 40-130 | | | † |
| 1,1-Dichloropropene | 10.7 | 2.0 | µg/L | 10.0 | | 107 | 70-130 | | | |
| cis-1,3-Dichloropropene | 10.3 | 0.50 | µg/L | 10.0 | | 103 | 70-130 | | | |
| trans-1,3-Dichloropropene | 11.3 | 0.50 | µg/L | 10.0 | | 113 | 70-130 | | | |
| Diethyl Ether | 10.4 | 2.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| Diisopropyl Ether (DIPE) | 11.8 | 0.50 | µg/L | 10.0 | | 118 | 70-130 | | | |
| 1,4-Dioxane | 92.3 | 50 | µg/L | 100 | | 92.3 | 40-130 | | | V-16 † |
| Ethylbenzene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| Hexachlorobutadiene | 10.6 | 0.50 | µg/L | 10.0 | | 106 | 70-130 | | | |
| 2-Hexanone (MBK) | 105 | 10 | µg/L | 100 | | 105 | 70-160 | | | † |
| Isopropylbenzene (Cumene) | 13.2 | 1.0 | µg/L | 10.0 | | 132 * | 70-130 | | | L-07, V-06 |
| p-Isopropyltoluene (p-Cymene) | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | |
| Methyl tert-Butyl Ether (MTBE) | 9.92 | 1.0 | µg/L | 10.0 | | 99.2 | 70-130 | | | |
| Methylene Chloride | 9.53 | 5.0 | µg/L | 10.0 | | 95.3 | 70-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 102 | 10 | µg/L | 100 | | 102 | 70-160 | | | † |
| Naphthalene | 9.34 | 2.0 | µg/L | 10.0 | | 93.4 | 40-130 | | | † |
| n-Propylbenzene | 11.4 | 1.0 | µg/L | 10.0 | | 114 | 70-130 | | | |
| Styrene | 11.4 | 1.0 | µg/L | 10.0 | | 114 | 70-130 | | | |
| 1,1,1,2-Tetrachloroethane | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 10.6 | 0.50 | µg/L | 10.0 | | 106 | 70-130 | | | |
| Tetrachloroethylene | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | |
| Tetrahydrofuran | 10.2 | 10 | µg/L | 10.0 | | 102 | 70-130 | | | |
| Toluene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | |
| 1,2,3-Trichlorobenzene | 9.12 | 5.0 | µg/L | 10.0 | | 91.2 | 70-130 | | | |
| 1,2,4-Trichlorobenzene | 8.66 | 1.0 | µg/L | 10.0 | | 86.6 | 70-130 | | | |
| 1,3,5-Trichlorobenzene | 8.71 | 1.0 | µg/L | 10.0 | | 87.1 | 70-130 | | | |
| 1,1,1-Trichloroethane | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| 1,1,2-Trichloroethane | 9.81 | 1.0 | µg/L | 10.0 | | 98.1 | 70-130 | | | |
| Trichloroethylene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | |
| Trichlorofluoromethane (Freon 11) | 10.9 | 2.0 | µg/L | 10.0 | | 109 | 70-130 | | | |
| 1,2,3-Trichloropropane | 10.9 | 2.0 | µg/L | 10.0 | | 109 | 70-130 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.10 | 1.0 | µg/L | 10.0 | | 91.0 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | |
| Vinyl Chloride | 8.09 | 2.0 | µg/L | 10.0 | | 80.9 | 40-160 | | | R-05 † |

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch B042845 - SW-846 5030B

LCS (B042845-BS1)

Prepared & Analyzed: 12/15/11

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| m+p Xylene | 22.1 | 2.0 | µg/L | 20.0 | | 111 | 70-130 | | | |
| o-Xylene | 11.8 | 1.0 | µg/L | 10.0 | | 118 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 24.7 | | µg/L | 25.0 | | 98.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 25.1 | | µg/L | 25.0 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 26.6 | | µg/L | 25.0 | | 107 | 70-130 | | | |

LCS Dup (B042845-BS1)

Prepared: 12/15/11 Analyzed: 12/16/11

| | | | | | | | | | | |
|------------------------------------|------|------|------|------|--|-------|--------|--------|----|--------------|
| Acetone | 108 | 50 | µg/L | 100 | | 108 | 70-160 | 17.3 | 25 | V-20 † |
| Acrylonitrile | 10.5 | 5.0 | µg/L | 10.0 | | 105 | 70-130 | 8.57 | 25 | |
| tert-Amyl Methyl Ether (TAME) | 9.36 | 0.50 | µg/L | 10.0 | | 93.6 | 70-130 | 0.428 | 25 | |
| Benzene | 10.9 | 1.0 | µg/L | 10.0 | | 109 | 70-130 | 5.38 | 25 | |
| Bromobenzene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | 3.15 | 25 | |
| Bromochloromethane | 12.1 | 1.0 | µg/L | 10.0 | | 121 | 70-130 | 4.13 | 25 | |
| Bromodichloromethane | 10.0 | 0.50 | µg/L | 10.0 | | 100 | 70-130 | 12.4 | 25 | |
| Bromoform | 11.4 | 1.0 | µg/L | 10.0 | | 114 | 70-130 | 9.92 | 25 | |
| Bromomethane | 11.0 | 2.0 | µg/L | 10.0 | | 110 | 40-160 | 66.3 * | 25 | R-05, V-05 † |
| 2-Butanone (MEK) | 118 | 20 | µg/L | 100 | | 118 | 40-160 | 2.75 | 25 | † |
| tert-Butyl Alcohol (TBA) | 99.8 | 20 | µg/L | 100 | | 99.8 | 40-160 | 5.52 | 25 | V-16 † |
| n-Butylbenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 8.12 | 25 | |
| sec-Butylbenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 3.62 | 25 | |
| tert-Butylbenzene | 10.9 | 1.0 | µg/L | 10.0 | | 109 | 70-130 | 1.10 | 25 | |
| tert-Butyl Ethyl Ether (TBEE) | 11.3 | 0.50 | µg/L | 10.0 | | 113 | 70-130 | 3.70 | 25 | |
| Carbon Disulfide | 9.62 | 10 | µg/L | 10.0 | | 96.2 | 70-130 | 30.4 * | 25 | R-05, V-20 |
| Carbon Tetrachloride | 10.9 | 5.0 | µg/L | 10.0 | | 109 | 70-130 | 4.32 | 25 | |
| Chlorobenzene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | 1.63 | 25 | |
| Chlorodibromomethane | 12.4 | 0.50 | µg/L | 10.0 | | 124 | 70-130 | 7.78 | 25 | |
| Chloroethane | 10.6 | 2.0 | µg/L | 10.0 | | 106 | 70-130 | 14.8 | 25 | |
| Chloroform | 11.8 | 2.0 | µg/L | 10.0 | | 118 | 70-130 | 5.95 | 25 | |
| Chloromethane | 10.2 | 2.0 | µg/L | 10.0 | | 102 | 40-160 | 25.9 * | 25 | R-05 † |
| 2-Chlorotoluene | 11.8 | 10 | µg/L | 10.0 | | 118 | 70-130 | 2.14 | 25 | |
| 4-Chlorotoluene | 11.1 | 1.0 | µg/L | 10.0 | | 111 | 70-130 | 1.60 | 25 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 8.10 | 5.0 | µg/L | 10.0 | | 81.0 | 70-130 | 5.45 | 25 | |
| 1,2-Dibromoethane (EDB) | 11.2 | 0.50 | µg/L | 10.0 | | 112 | 70-130 | 1.99 | 25 | |
| Dibromomethane | 11.4 | 1.0 | µg/L | 10.0 | | 114 | 70-130 | 4.48 | 25 | |
| 1,2-Dichlorobenzene | 10.8 | 1.0 | µg/L | 10.0 | | 108 | 70-130 | 6.35 | 25 | |
| 1,3-Dichlorobenzene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | 6.00 | 25 | |
| 1,4-Dichlorobenzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 4.81 | 25 | |
| trans-1,4-Dichloro-2-butene | 13.4 | 2.0 | µg/L | 10.0 | | 134 * | 70-130 | 22.4 | 25 | L-07 |
| Dichlorodifluoromethane (Freon 12) | 10.7 | 2.0 | µg/L | 10.0 | | 107 | 40-160 | 50.9 * | 25 | R-05, V-05 † |
| 1,1-Dichloroethane | 11.4 | 1.0 | µg/L | 10.0 | | 114 | 70-130 | 0.784 | 25 | |
| 1,2-Dichloroethane | 11.6 | 1.0 | µg/L | 10.0 | | 116 | 70-130 | 8.11 | 25 | |
| 1,1-Dichloroethylene | 9.78 | 1.0 | µg/L | 10.0 | | 97.8 | 70-130 | 8.64 | 25 | |
| cis-1,2-Dichloroethylene | 12.1 | 1.0 | µg/L | 10.0 | | 121 | 70-130 | 3.18 | 25 | |
| trans-1,2-Dichloroethylene | 11.5 | 1.0 | µg/L | 10.0 | | 115 | 70-130 | 4.27 | 25 | |
| 1,2-Dichloropropane | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 1.05 | 25 | |
| 1,3-Dichloropropane | 11.2 | 0.50 | µg/L | 10.0 | | 112 | 70-130 | 3.45 | 25 | |
| 2,2-Dichloropropane | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 40-130 | 4.82 | 25 | † |
| 1,1-Dichloropropene | 11.5 | 2.0 | µg/L | 10.0 | | 115 | 70-130 | 7.93 | 25 | |
| cis-1,3-Dichloropropene | 10.7 | 0.50 | µg/L | 10.0 | | 107 | 70-130 | 4.09 | 25 | |
| trans-1,3-Dichloropropene | 10.5 | 0.50 | µg/L | 10.0 | | 105 | 70-130 | 7.90 | 25 | |
| Diethyl Ether | 10.8 | 2.0 | µg/L | 10.0 | | 108 | 70-130 | 4.26 | 25 | |
| Diisopropyl Ether (DIPE) | 11.9 | 0.50 | µg/L | 10.0 | | 119 | 70-130 | 0.590 | 25 | |

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|---------------------------------------|--------|---------------|-----|-----------|-------|
| Batch B042845 - SW-846 5030B | | | | | | | | | | |
| LCS Dup (B042845-BSD1) | | | | | | | | | | |
| | | | | | Prepared: 12/15/11 Analyzed: 12/16/11 | | | | | |
| 1,4-Dioxane | 117 | 50 | µg/L | 100 | 117 | 40-130 | 23.4 | 50 | V-16 | † ‡ |
| Ethylbenzene | 10.8 | 1.0 | µg/L | 10.0 | 108 | 70-130 | 1.19 | 25 | | |
| Hexachlorobutadiene | 10.6 | 0.50 | µg/L | 10.0 | 106 | 70-130 | 0.659 | 25 | | |
| 2-Hexanone (MBK) | 119 | 10 | µg/L | 100 | 119 | 70-160 | 12.4 | 25 | | † |
| Isopropylbenzene (Cumene) | 10.9 | 1.0 | µg/L | 10.0 | 109 | 70-130 | 18.7 | 25 | V-06 | |
| p-Isopropyltoluene (p-Cymene) | 10.9 | 1.0 | µg/L | 10.0 | 109 | 70-130 | 3.65 | 25 | | |
| Methyl tert-Butyl Ether (MTBE) | 10.7 | 1.0 | µg/L | 10.0 | 107 | 70-130 | 7.47 | 25 | | |
| Methylene Chloride | 9.76 | 5.0 | µg/L | 10.0 | 97.6 | 70-130 | 2.38 | 25 | | |
| 4-Methyl-2-pentanone (MIBK) | 121 | 10 | µg/L | 100 | 121 | 70-160 | 17.3 | 25 | | † |
| Naphthalene | 9.23 | 2.0 | µg/L | 10.0 | 92.3 | 40-130 | 1.18 | 25 | | † |
| n-Propylbenzene | 11.8 | 1.0 | µg/L | 10.0 | 118 | 70-130 | 3.79 | 25 | | |
| Styrene | 11.4 | 1.0 | µg/L | 10.0 | 114 | 70-130 | 0.0874 | 25 | | |
| 1,1,1,2-Tetrachloroethane | 10.0 | 1.0 | µg/L | 10.0 | 100 | 70-130 | 3.53 | 25 | | |
| 1,1,2,2-Tetrachloroethane | 10.6 | 0.50 | µg/L | 10.0 | 106 | 70-130 | 0.188 | 25 | | |
| Tetrachloroethylene | 11.0 | 1.0 | µg/L | 10.0 | 110 | 70-130 | 2.87 | 25 | | |
| Tetrahydrofuran | 11.1 | 10 | µg/L | 10.0 | 111 | 70-130 | 8.47 | 25 | | |
| Toluene | 11.9 | 1.0 | µg/L | 10.0 | 119 | 70-130 | 11.9 | 25 | | |
| 1,2,3-Trichlorobenzene | 9.45 | 5.0 | µg/L | 10.0 | 94.5 | 70-130 | 3.55 | 25 | | |
| 1,2,4-Trichlorobenzene | 9.02 | 1.0 | µg/L | 10.0 | 90.2 | 70-130 | 4.07 | 25 | | |
| 1,3,5-Trichlorobenzene | 9.79 | 1.0 | µg/L | 10.0 | 97.9 | 70-130 | 11.7 | 25 | | |
| 1,1,1-Trichloroethane | 11.3 | 1.0 | µg/L | 10.0 | 113 | 70-130 | 2.15 | 25 | | |
| 1,1,2-Trichloroethane | 10.4 | 1.0 | µg/L | 10.0 | 104 | 70-130 | 6.03 | 25 | | |
| Trichloroethylene | 11.8 | 1.0 | µg/L | 10.0 | 118 | 70-130 | 10.1 | 25 | | |
| Trichlorofluoromethane (Freon 11) | 12.5 | 2.0 | µg/L | 10.0 | 125 | 70-130 | 14.1 | 25 | | |
| 1,2,3-Trichloropropane | 11.0 | 2.0 | µg/L | 10.0 | 110 | 70-130 | 0.456 | 25 | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.2 | 1.0 | µg/L | 10.0 | 102 | 70-130 | 10.9 | 25 | | |
| 1,2,4-Trimethylbenzene | 11.1 | 1.0 | µg/L | 10.0 | 111 | 70-130 | 1.18 | 25 | | |
| 1,3,5-Trimethylbenzene | 11.5 | 1.0 | µg/L | 10.0 | 115 | 70-130 | 4.00 | 25 | | |
| Vinyl Chloride | 11.0 | 2.0 | µg/L | 10.0 | 110 | 40-160 | 30.0 * | 25 | R-05 | † |
| m+p Xylene | 23.6 | 2.0 | µg/L | 20.0 | 118 | 70-130 | 6.26 | 25 | | |
| o-Xylene | 11.6 | 1.0 | µg/L | 10.0 | 116 | 70-130 | 1.96 | 25 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 26.4 | | µg/L | 25.0 | 106 | 70-130 | | | | |
| Surrogate: Toluene-d8 | 27.8 | | µg/L | 25.0 | 111 | 70-130 | | | | |
| Surrogate: 4-Bromofluorobenzene | 26.8 | | µg/L | 25.0 | 107 | 70-130 | | | | |

FLAG/QUALIFIER SUMMARY

| | |
|-------|---|
| * | QC result is outside of established limits. |
| † | Wide recovery limits established for difficult compound. |
| ‡ | Wide RPD limits established for difficult compound. |
| # | Data exceeded client recommended or regulatory level |
| | Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded. |
| L-07 | Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria. |
| L-07A | Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound. |
| R-05 | Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound. |
| V-05 | Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side. |
| V-06 | Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side. |
| V-16 | Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result. |
| V-20 | Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound. |

CERTIFICATIONS

Certified Analyses included in this Report

| Analyte | Certifications |
|------------------------------------|----------------|
| <i>SW-846 8260C in Water</i> | |
| Acetone | CT,NH,NY,ME |
| Acrylonitrile | CT,NY,ME,RI |
| tert-Amyl Methyl Ether (TAME) | NH,NY,ME |
| Benzene | CT,NH,NY,ME,RI |
| Bromochloromethane | NH,NY,ME |
| Bromodichloromethane | CT,NH,NY,ME,RI |
| Bromoform | CT,NH,NY,ME,RI |
| Bromomethane | CT,NH,NY,ME,RI |
| 2-Butanone (MEK) | CT,NH,NY,ME |
| tert-Butyl Alcohol (TBA) | NH,NY,ME |
| n-Butylbenzene | NY,ME |
| sec-Butylbenzene | NY,ME |
| tert-Butylbenzene | NY,ME |
| tert-Butyl Ethyl Ether (TBEE) | NH,NY,ME |
| Carbon Disulfide | CT,NH,NY,ME |
| Carbon Tetrachloride | CT,NH,NY,ME,RI |
| Chlorobenzene | CT,NH,NY,ME,RI |
| Chlorodibromomethane | CT,NH,NY,ME,RI |
| Chloroethane | CT,NH,NY,ME,RI |
| Chloroform | CT,NH,NY,ME,RI |
| Chloromethane | CT,NH,NY,ME,RI |
| 2-Chlorotoluene | NY,ME |
| 4-Chlorotoluene | NY,ME |
| Dibromomethane | NH,NY,ME |
| 1,2-Dichlorobenzene | CT,NY,ME,RI |
| 1,3-Dichlorobenzene | CT,NH,NY,ME,RI |
| 1,4-Dichlorobenzene | CT,NH,NY,ME,RI |
| trans-1,4-Dichloro-2-butene | NH,NY,ME |
| Dichlorodifluoromethane (Freon 12) | NH,NY,ME,RI |
| 1,1-Dichloroethane | CT,NH,NY,ME,RI |
| 1,2-Dichloroethane | CT,NH,NY,ME,RI |
| 1,1-Dichloroethylene | CT,NH,NY,ME,RI |
| cis-1,2-Dichloroethylene | ME |
| trans-1,2-Dichloroethylene | CT,NH,NY,ME,RI |
| 1,2-Dichloropropane | CT,NH,NY,ME,RI |
| 1,3-Dichloropropane | NY,ME |
| 2,2-Dichloropropane | NH,NY,ME |
| 1,1-Dichloropropene | NH,NY,ME |
| cis-1,3-Dichloropropene | CT,NH,NY,ME,RI |
| trans-1,3-Dichloropropene | CT,NH,NY,ME,RI |
| Diisopropyl Ether (DIPE) | NH,NY,ME |
| Ethylbenzene | CT,NH,NY,ME,RI |
| Hexachlorobutadiene | CT,NH,NY,ME |
| 2-Hexanone (MBK) | CT,NH,NY,ME |
| Isopropylbenzene (Cumene) | NY,ME |
| p-Isopropyltoluene (p-Cymene) | CT,NH,NY,ME |
| Methyl tert-Butyl Ether (MTBE) | CT,NH,NY,ME |

CERTIFICATIONS

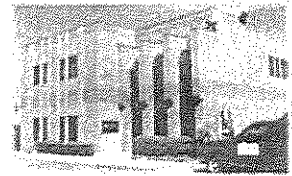
Certified Analyses included in this Report

| Analyte | Certifications |
|---|----------------|
| <i>SW-846 8260C in Water</i> | |
| Methylene Chloride | CT,NH,NY,ME,RI |
| 4-Methyl-2-pentanone (MIBK) | CT,NH,NY,ME |
| Naphthalene | NH,NY,ME |
| n-Propylbenzene | CT,NH,NY,ME |
| Styrene | CT,NH,NY,ME |
| 1,1,1,2-Tetrachloroethane | CT,NH,NY,ME |
| 1,1,2,2-Tetrachloroethane | CT,NH,NY,ME,RI |
| Tetrachloroethylene | CT,NH,NY,ME,RI |
| Toluene | CT,NH,NY,ME,RI |
| 1,2,3-Trichlorobenzene | NH,NY,ME |
| 1,2,4-Trichlorobenzene | CT,NH,NY,ME |
| 1,3,5-Trichlorobenzene | ME |
| 1,1,1-Trichloroethane | CT,NH,NY,ME,RI |
| 1,1,2-Trichloroethane | CT,NH,NY,ME,RI |
| Trichloroethylene | CT,NH,NY,ME,RI |
| Trichlorofluoromethane (Freon 11) | CT,NH,NY,ME,RI |
| 1,2,3-Trichloropropane | NH,NY,ME |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | NY |
| 1,2,4-Trimethylbenzene | NY,ME |
| 1,3,5-Trimethylbenzene | NY,ME |
| Vinyl Chloride | CT,NH,NY,ME,RI |
| m+p Xylene | CT,NH,NY,ME,RI |
| o-Xylene | CT,NH,NY,ME,RI |

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

| Code | Description | Number | Expires |
|------|--|---------------|------------|
| AIHA | AIHA-LAP, LLC | 100033 | 01/1/2012 |
| MA | Massachusetts DEP | M-MA100 | 06/30/2012 |
| CT | Connecticut Department of Public Health | PH-0567 | 09/30/2013 |
| NY | New York State Department of Health | 10899 NELAP | 04/1/2012 |
| NH | New Hampshire Environmental Lab | 2516 NELAP | 02/5/2012 |
| RI | Rhode Island Department of Health | LAO00112 | 12/30/2011 |
| NC | North Carolina Div. of Water Quality | 652 | 12/31/2011 |
| NJ | New Jersey DEP | MA007 NELAP | 06/30/2012 |
| FL | Florida Department of Health | E871027 NELAP | 06/30/2012 |
| VT | Vermont Department of Health Lead Laboratory | LL015036 | 07/30/2012 |
| WA | State of Washington Department of Ecology | C2065 | 02/23/2012 |
| ME | State of Maine | 2011028 | 06/9/2013 |

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Arcadis RECEIVED BY: MLK DATE: 12/7

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
 2) Does the chain agree with the samples? Yes No
 If not, explain:
 3) Are all the samples in good condition? Yes No
 If not, explain:

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A
 Temperature °C by Temp blank _____ Temperature °C by Temp gun 20c

5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____
 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 109-11
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

Containers received at Con-Test

| | # of containers | | # of containers |
|--------------------------------|-----------------|-----------------------|-----------------|
| 1 Liter Amber | | 8 oz amber/clear jar | |
| 500 mL Amber | | 4 oz amber/clear jar | |
| 250 mL Amber (8oz amber) | | 2 oz amber/clear jar | |
| 1 Liter Plastic | | Air Cassette | |
| 500 mL Plastic | | Hg/Hopcalite Tube | |
| 250 mL plastic | | Plastic Bag / Ziploc | |
| 40 mL Vial - type listed below | 18 | PM 2.5 / PM 10 | |
| Colisure / bacteria bottle | | PUF Cartridge | |
| Dissolved Oxygen bottle | | SOC Kit | |
| Encore | | TO-17 Tubes | |
| Flashpoint bottle | | Non-ConTest Container | |
| Perchlorate Kit | | Other glass jar | |
| Other | | Other | |

Laboratory Comments:

40 mL vials: # HCl 1c # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

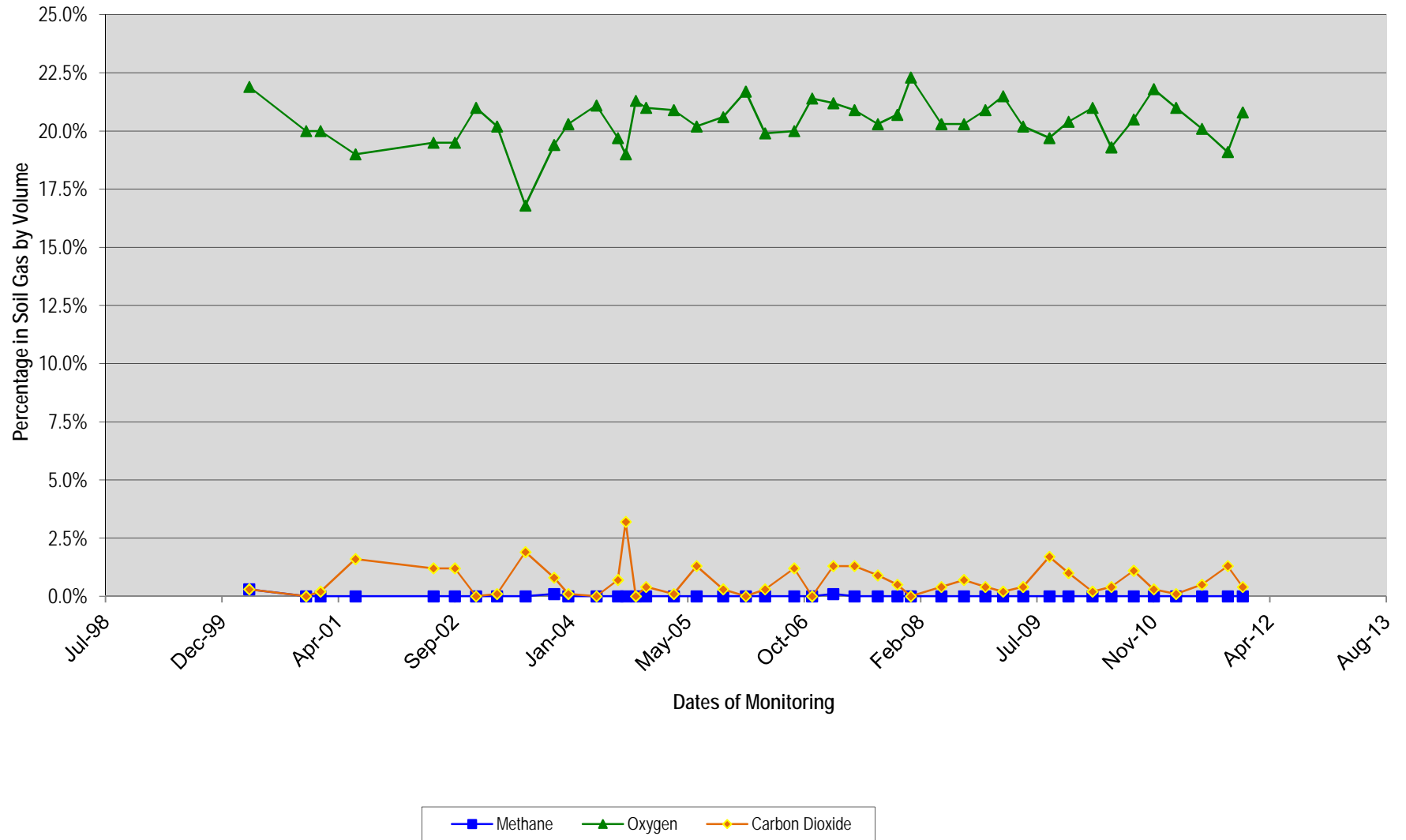
Do all samples have the proper Acid pH: Yes No N/A
 Do all samples have the proper Base pH: Yes No N/A



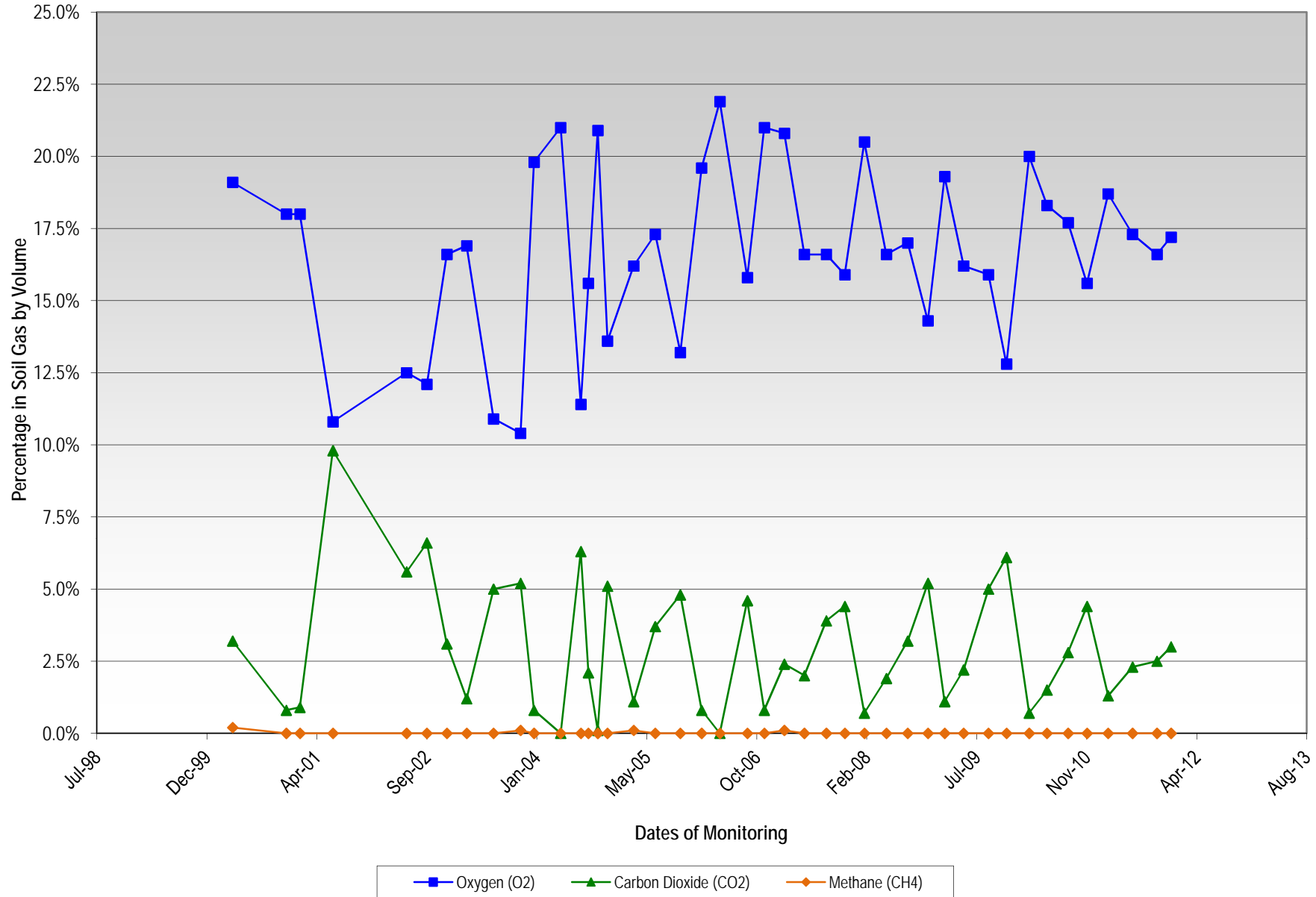
Appendix C

Soil Gas Trend Graphs

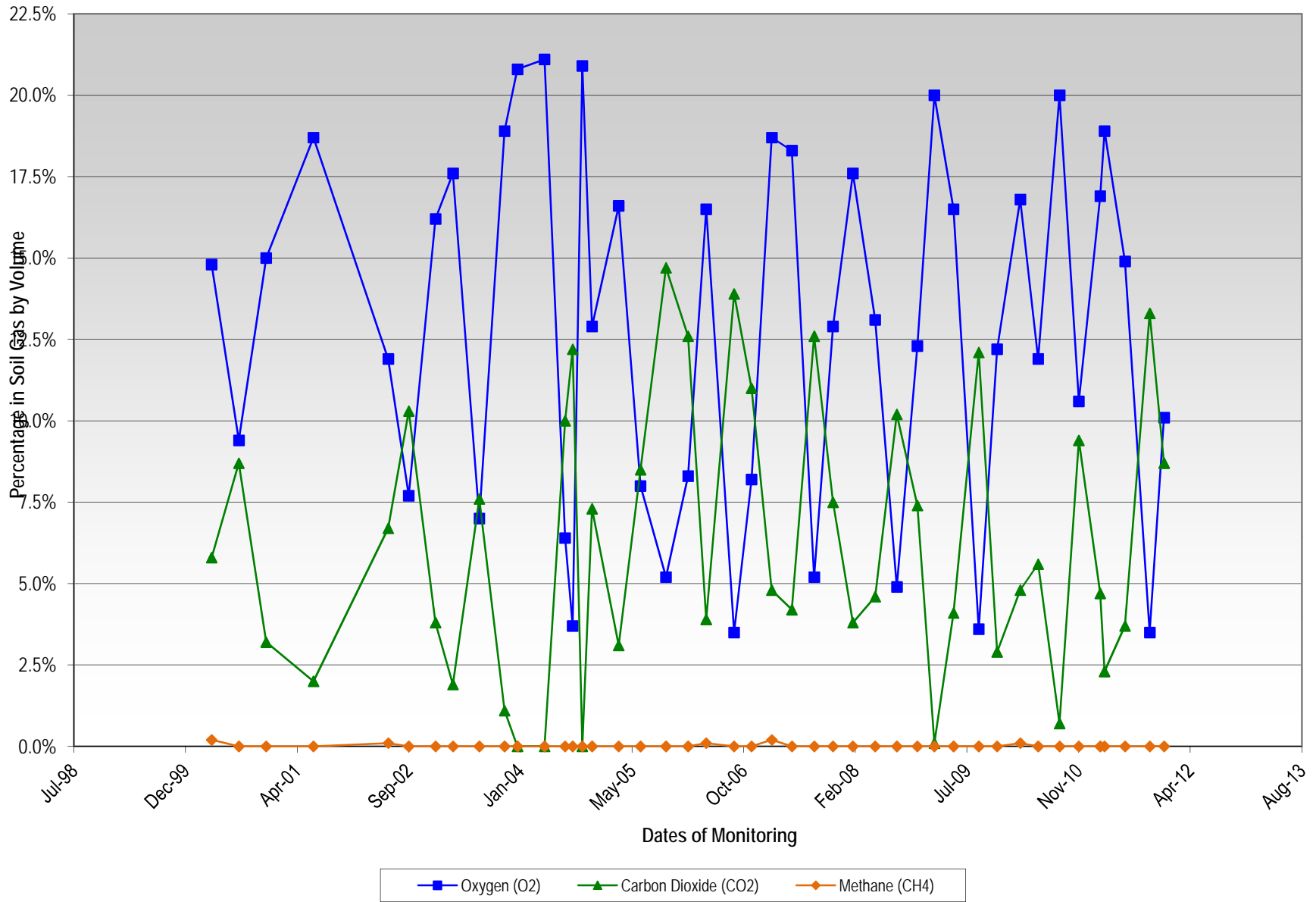
Soil Gas Well EPL1
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



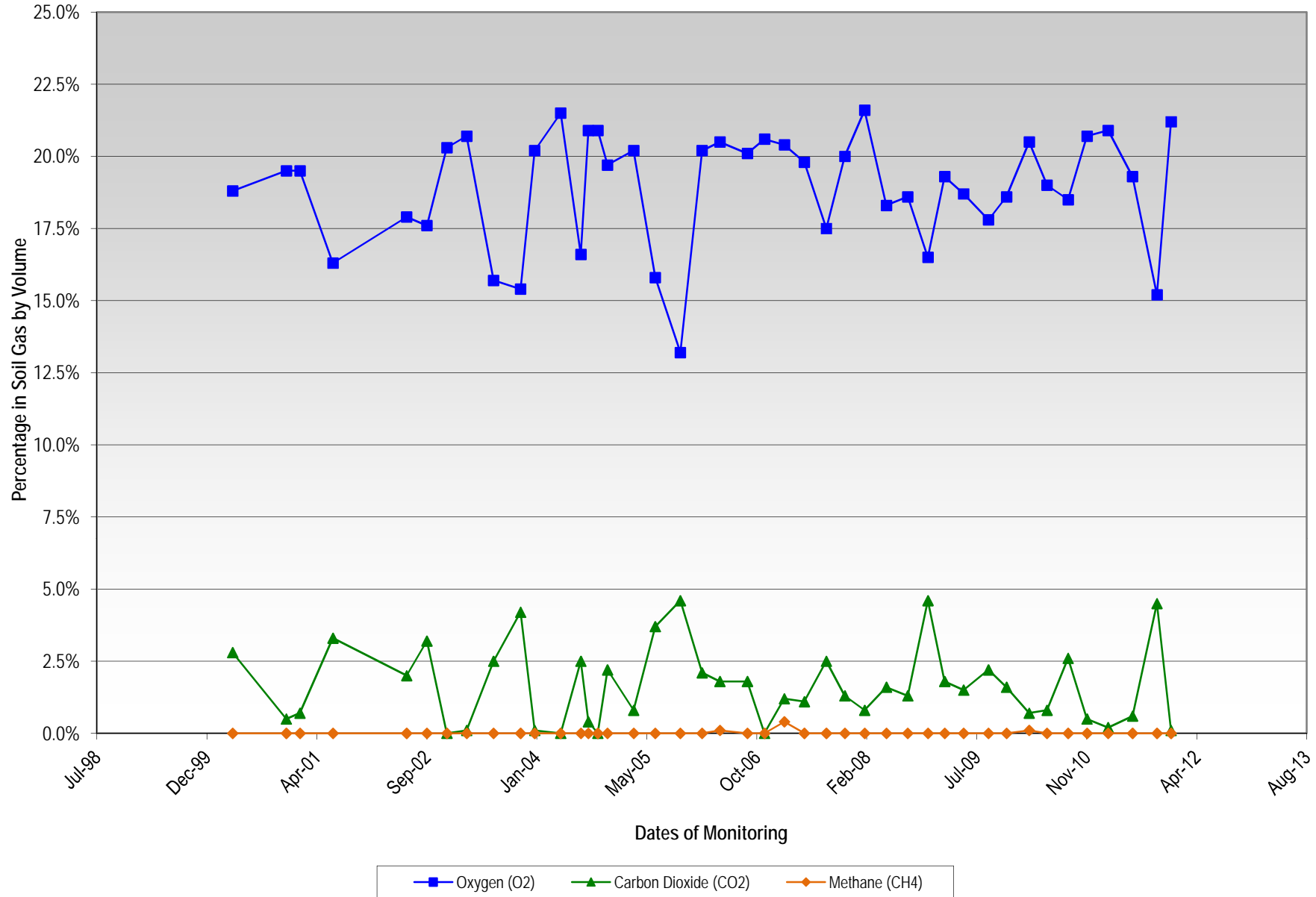
Soil Gas Well EPL4
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



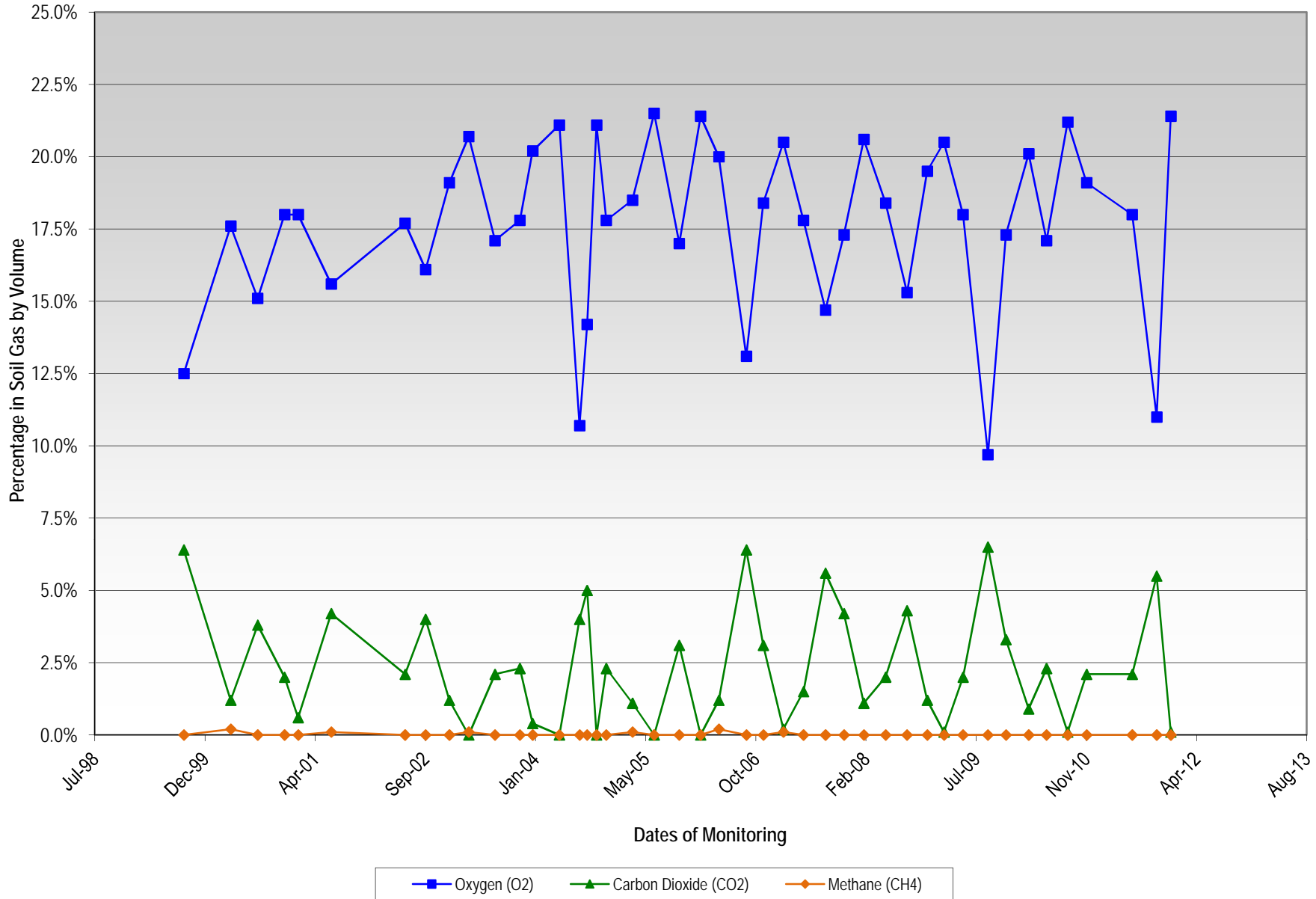
Soil Gas Well MPL5
 Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
 Springfield Street School Complex
 Providence, Rhode Island



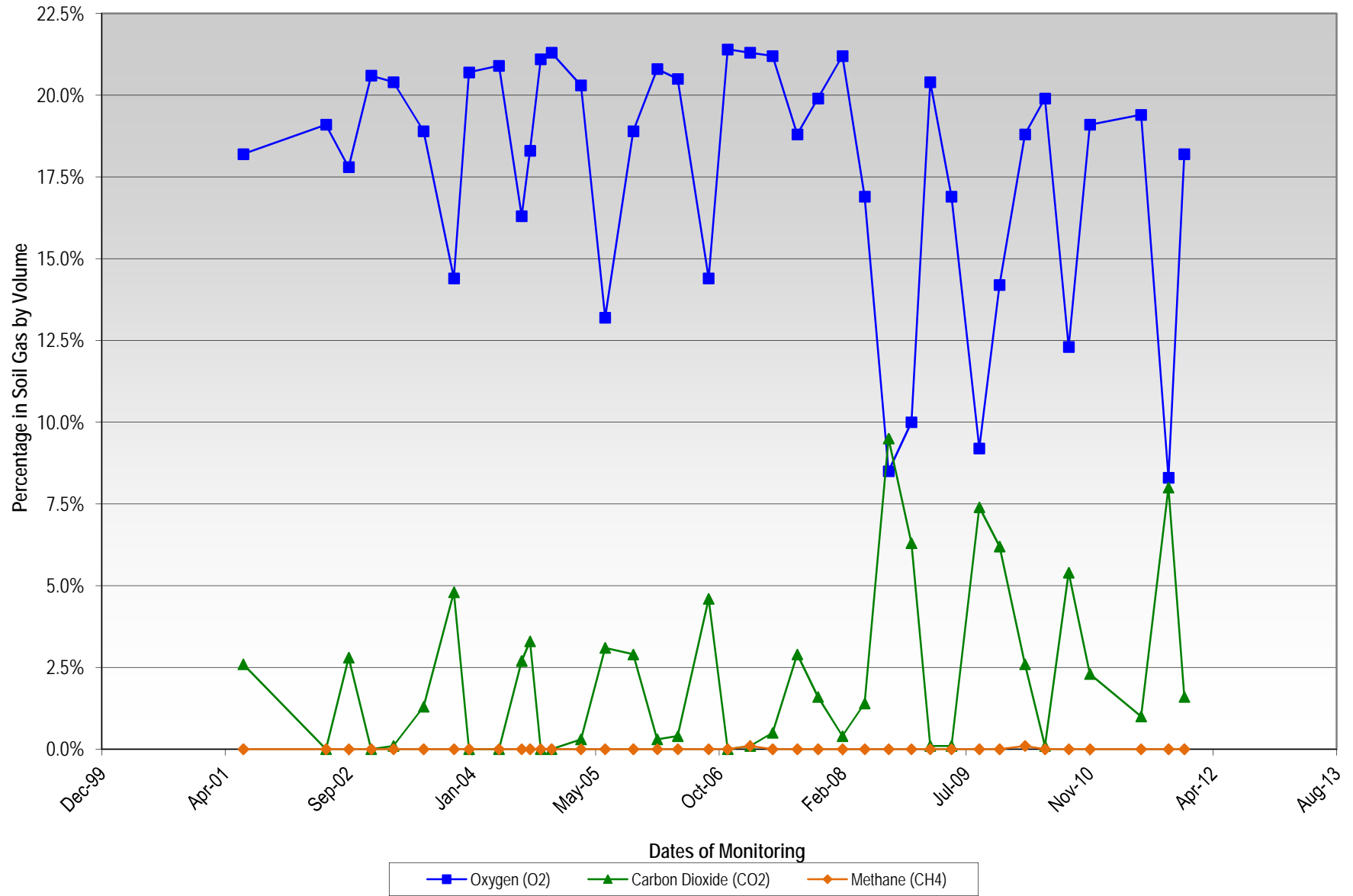
Soil Gas Well MG2
 Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
 Springfield Street School Complex
 Providence, Rhode Island



Soil Gas Well WB1
 Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
 Springfield Street School Complex
 Providence, Rhode Island



Soil Gas Well WB15
 Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
 Springfield Street School Complex
 Providence, Rhode Island



Soil Gas Well MPL-7 Fluctuations in Methane, Oxygen and Carbon Dioxide

