QUARTERLY MONITORING REPORT
Springfield Street School Complex
Providence, Rhode Island
May 2009 Monitoring Round

Project No. 081-12152-05

Prepared for
Providence School Department
797 Westminster Street
Providence, RI 02903

Prepared by
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June 19, 2009 081-12152-05

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

Subject: Quarterly Monitoring for Springfield Street School Complex, Springfield Street, Providence, RI – May 2009 Monitoring Round

Dear Mr. Crawford:

Quarterly monitoring for soil gas, indoor air and system monitoring was conducted between May 6 and 12, 2009. Additional monitoring was conducted on March 30th and April 22, 2009. 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

LFR conducted a visual survey of the site on May 6, 2009 for evidence of significant soil cover erosion, or for any areas where the orange snow fencing indicator barrier was visible. LFR did not observe any areas where the orange indicator barrier was visible during this monitoring event. Some areas of poor grass cover were observed behind the Middle School. A small hole was observed next to the transformer pad located along the southern side of the Middle School. These areas were have since been repaired by School Department contractors. Photographs of the area before and after repair are provided in Attachment D.

SUB-SLAB VENTILATION SYSTEM

The sub-slab ventilation system was inspected by LFR during the quarterly monitoring on May 6, 2009. The front middle school blower was operating normally. One of the elementary school blowers and the rear middle school blowers were not operating at the time of the inspection. LFR notified DEM that the blowers were not operating. LFR arranged for an electrician to inspect the blowers on

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May 13 to inspect the blower. The electrician determined that the electric motors on both blowers will need to be replaced or rebuilt. A plan for addressing these problems will be provided in a separate letter.

Influent and effluent air from the blowers at the elementary school and the blowers at the middle school were monitored on May 6, 2009. Samples of influent and effluent gas were collected in Tedlar bags at each location and screened for methane, carbon dioxide, carbon monoxide, and hydrogen sulfide using a Landtec GEM 2000 Plus, and for volatile organic compounds (VOC) using a MiniRae 2000. Results are provided in Table 1.

Carbon monoxide, methane, and hydrogen sulfide concentrations in the subslab ventilation system samples were all measured as zero during this monitoring event. Organic vapor readings at the elementary and middle schools ranged from 0.2 to 0.4 ppm. Carbon dioxide readings at both the elementary school and middle school ranged from 0.0 to 0.2 percent. The only parameter which was detected at a concentration in excess of the RAWP Action Levels was carbon dioxide.

INDOOR AIR MONITORING

Indoor air monitoring was conducted on May 6, 2009 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). Both schools were occupied at the time of the monitoring. Results of monitoring are provided in the Table 2. Methane, hydrogen sulfide, carbon monoxide and organic vapors were all below the Remedial Action Work Plan Action Levels.

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.

Carbon dioxide concentrations ranged from 571 to 990 ppm in the elementary school, and from 527 to 634 ppm at the middle school. The maximum concentration detected at the elementary school was measured in the cafeteria, which was fully occupied at the time the measurement was made. The maximum concentration detected in the middle school was in the hallway across from the elevator near sensor #9. All concentrations were well below the Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) of 5,000 ppm for carbon dioxide.

Carbon dioxide is a colorless, odorless gas which is a trace constituent of our atmosphere. It is emitted by people and other mammals during respiration, by combustion of fossil fuels, and through many other natural and manmade sources. The US Department of Energy's Carbon Dioxide Information Analysis Center (CDIAC) reports that the average concentration of carbon dioxide in the atmosphere is 377 ppm. The actual concentrations are expected to vary locally based on the proximity of carbon dioxide sources to the measuring site, meteorological conditions, and other factors. An ambient carbon dioxide concentration of 538 ppm was measured in the parking lot of the middle school on May 6, 2009, when the indoor air measurements were made.

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 affects. A discussion regarding carbon dioxide concentrations in indoor air contained in Informative Appendix C of the Standard states: "… maintaining a steady-state CO_2 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 below these levels.

The control panels for the methane monitors at both schools were inspected on May 6, 2009. The methane monitor control panels had stickers that indicated the monitors were last calibrated by Diamond Technical Services personnel on April 8, 2009. Methane was indicated to be present at elevated levels at some locations. These locations were monitored with the handheld instruments and no evidence of methane was detected. The building methane monitors were recalibrated on May 27, 2009 by Diamond Calibration. At that time, a circuit board and sensor at the middle school were replaced.

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

Three of five groundwater monitoring wells were sampled by LFR on May 7, 2009. Two monitoring wells, ATC-2 and ATC-3, were not able to be sampled because they were obstructed on the day of sampling. Prior to sampling, the depth to water was gauged, and a volume of water equivalent to approximately three well volumes was removed from each 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.

1,4-Dichlorobenzene was detected in ATC-7 at 1.7 ug/l. This compound has been detected previously in this well at similar concentrations. No other target analytes were detected in the three groundwater samples.

SOIL GAS MONITORING

Soil gas monitoring was conducted at 28 locations on May 7, 2009. Additional monitoring was conducted at 3 to 4 locations on the Middle School property near the intersection of Hartford Avenue and Springfield Street on March 30 and April 22, 2009. 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 500 Landfill Gas Analyzer & Extraction Monitor, a QRAE 4-gas meter 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. Carbon monoxide was detected at levels ranging from 0 to 16 ppm. The maximum concentration of carbon monoxide detected on May 7, 2009 was 16 ppm at ENE-1, above the RAWP Action Level of 9 ppm. All other detected concentrations of carbon monoxide were below RAWP Action Levels. Hydrogen sulfide was detected in soil gas wells at levels ranging from 0 to 2 ppm, below RAWP Action Levels. Organic vapors were not detected in any of the soil gas wells during this monitoring round.

Carbon dioxide was detected in 21 of 28 locations with detectable concentrations ranging from 0.1% to 7.9%. The carbon dioxide Remedial Action Work Plan Action Level is 0.1% and 19 readings exceeded the action level. 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. Graphs presenting carbon dioxide, oxygen, and methane concentrations over time for seven representative wells are presented in Attachment C. The maximum concentration of carbon dioxide detected during this round of monitoring was 7.9%, compared with a maximum detected concentration of 9.9% in November 2008, and 11.8% in August, 2008. The highest concentration of carbon dioxide was found in well MPL-6, located on the northern end of the property adjacent to the parking lot. Concentrations detected during this round of monitoring appear to be consistent with the patterns of higher carbon dioxide concentrations in the summer and fall, and lower carbon dioxide concentrations in the winter and spring.

During the previous round of monitoring on February 10, 2009, methane was detected in soil gas well MPL-7 at 1.4%, a concentration which did not exceed the RAWP Action Levels. The concentration of methane was measured again on February 26, and methane was detected at 1.0%. MPL-7 was then rechecked on March 30, 2009 and April 22, 2009, and methane was not detected on either of those dates. Methane was not detected in any of the soil gas wells during this monitoring round.

A graph showing the carbon dioxide and oxygen concentration trends for MPL-7 is included in Attachment C. The graph shows that concentrations have followed a seasonal pattern, with carbon dioxide rising with increasing temperatures, and falling with decreasing temperatures.

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 typical of 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 and organic vapor concentrations did not exceed RAWP action levels in any soil gas samples, indoor air or subslab ventilation system samples. Carbon dioxide concentrations exceeded the action level at some locations. 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. The RAWP action level for carbon monoxide was exceeded at soil gas well ENE-1 located on the eastern side of the property between the Middle and Elementary Schools. All other carbon monoxide concentrations were below RAWP action levels.

Inspection of the cap revealed areas of poor grass cover behind the Middle School, and a small hole next to the transformer pad located along the southern side of the Middle School. The areas have been repaired as documented in the photographs included in Attachment D of this report.

Two blower motor have ceased to function. A proposal for correcting this problem will be presented in a separate letter.

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

Sincerely,

Donna Holden Pallister, P.E., L.S.P.
Senior Engineer

Christopher B. Dentch
Project Engineer

cc: A. Sepe, City of Providence
S. Tremblay, Providence School Department
Providence Public Building Authority

FIGURE

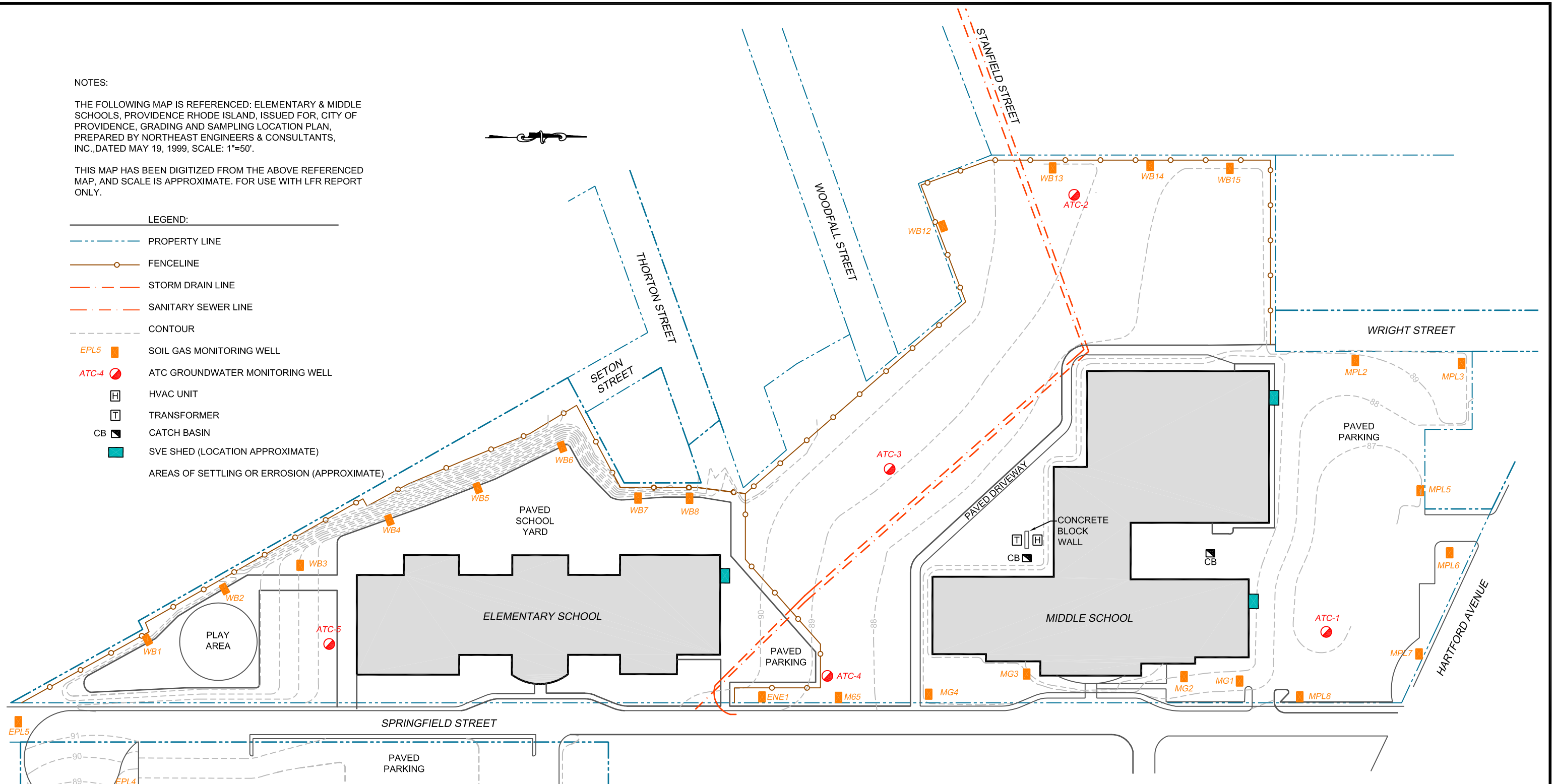
NOTES:

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
- H — HVAC UNIT
- T — TRANSFORMER
- CB — CATCH BASIN
- SVE SHED (LOCATION APPROXIMATE)
- AREAS OF SETTLING OR ERROSION (APPROXIMATE)



100 0 100 200 300

SCALE: 1"=100'

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Phone: (401) 738-3887
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DATE:	4-7-03
DRAWN BY:	PPH
REVIEWED BY:	DP
APPROVED BY:	DP
SCALE:	AS NOTED
FILE NO:	081-12027-00
JOB NO:	081-12027-00

TITLE:
SITE PLAN

LOCATION:
SPRINGFIELD STREET SCHOOL COMPLEX
SPRINGFIELD STREET
PROVIDENCE, RHODE ISLAND

FIGURE:
1

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TABLES

Table 1
System Monitoring Notes
Springfield Street School Complex
Providence, Rhode Island
May 6, 2009

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	0.2	20.9	0	0	0.4
Elementary School inlet 2	Not operating at time of inspection					
Elementary School Outlet	0	0.1	20.9	0	0	0.4
Middle School front shed inlet	0	0.0	21.2	0	0	0.2
Middle School front shed after 2nd carbon	0	0.0	21.2	0	0	0.2
Middle School back shed inlet	Not operating at time of inspection					
Middle School back shed after 2nd carbon	Not operating at time of inspection					
Remedial Action Work Plan Action Levels	**0.5**	**1,000 ppm (0.1%)**	**NA**	**9 ppm**	**10 ppm**	**5 ppm**

Measurements made with: Landtec GEM 2000 Plus, MiniRae PID, RAE 4 gas meter

Sampling date: May 6, 2009

Measured by: Donna Pallister

Table 2
Indoor Air Monitoring Results
Springfield Street School Complex
Providence, Rhode Island
May 6, 2009

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	571	21.3	1	0	0.2
E.S. Elevator	0	703	21.3	1	0	0.5
E.S. Faculty Work Room	0	766	21.3	0	0	0.5
E.S. Hallway Outside Gym	0	617	21.3	0	0	0.2
E.S. Gym	0	688	21.3	0	0	0.3
E.S. Stairway B	0	596	21.3	0	0	0.1
E.S. Stairway C	0	804	21.3	0	0	0.2
E.S. Library	0	649	21.3	0	0	0.2
E.S. Room 107	0	698	21.3	0	0	0.3
E.S. Cafeteria	0	990	21.3	0	0	0.3

Table 2
Indoor Air Monitoring Notes
Springfield Street School Complex
May 6, 2009

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	584	21.2	0	0	0.1
M.S. Elevator	0	607	21.3	0	0	0.1
M.S. Music Room (now an art room) (Hallway)	0	527	21.3	0	0	0.1
M.S. Stairway near Elem. School GS-01	0	609	21.3	0	0	0.1
M.S. Near sensor #16 in hall outside cafeteria	0	577	21.3	0	0	0.1
M.S. Near Sensor in cafeteria (GS-19)	0	544	21.3	0	0	0.1
M.S. Library	0	547	21.3	0	0	0.1
M.S. GS-03	0	610	21.3	0	0	0.1

Table 2
Indoor Air Monitoring Notes
Springfield Street School Complex
May 6, 2009

Monitoring Location	Methane as % LEL	Carbon Dioxide PPM	Oxygen % by volume	Carbon Monoxide PPM	Hydrogen Sulfide PPM	Organic Vapors PPM
M.S. Faculty Workroom 1st Floor	0	604	21.3	0	0	0.1
M.S. Front Hall near sensor #4	0	603	21.3	0	0	0.1
M.S. Hallway across from elevator near sensor #9	0	634	21.3	0	0	0.1
M.S. Stairway/ Hartford Ave. near sensor #07	0	589	21.3	0	0	0.1
Remedial Action Work Plan Action Levels	0.5	1,000 ppm (0.1%)	NA	9 ppm	10 ppm	5 ppm

Notes:

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

Measurements made with: Fluke 975 Airmeter and Q-RAE Plus Multi-Gas Monitor

PPM = Parts per million

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

Monitoring Wells	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	
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	140
	n-butylbenzene	1.7	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	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	NA
	tert-Butylbenzene	ND	ND	ND	ND	ND	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	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	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	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	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	1.4	ND	ND	ND	ND	5000
	Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	1.27	ND	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	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	1700
	1,2,4-Trimethylbenzene	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	NA
	1,3,5-Trimethylbenzene	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	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	NA
	1,1,2-Trichloroethane	ND	ND	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	NA
ATC-2																																		
	Chloroform	0.9	ND	ND	1.0	ND	ND	ND	ND	ND	NS	1.1	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NA
ATC-3																																		
	Toluene	ND	ND	ND	ND	NS	ND	ND	ND	ND	3.03	ND	ND	ND	ND	ND	ND	3.0	ND	4.5	13.1	ND	2.3	1.3	ND	ND	NS	NS	NS	NS	NS	1700
ATC-4																																		
	Benzene	ND	ND	2.5	0.6	ND	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	140
	Chlorobenzene	2.6	ND	57.3	2.7	5.18	ND	ND	ND	ND	ND	ND	ND	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.80	1.90	ND	ND	1.2	ND	ND	ND	70
	1,4-dichlorobenzene	4.2	ND	9.2	3.4	3.36	ND	ND	ND	ND	ND	0.80	1.6	2.1	ND	ND	ND	ND	ND	1.2	1.1	ND	1.2	2.1	2.1	ND	ND	2.1	1.4	ND	1.7	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	5000
	1,2,4-Trimethylbenzene	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	NA
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	5000
	Chloroform	ND	ND	ND	ND	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	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			

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

Table 4
Soil Gas Survey Field Notes
Springfield Street School Complex
Providence, Rhode Island
May 7, 2009

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	2.0	18.0	4	1	0.0
WB-2	0.0	1.9	18.1	4	1	0.0
WB-3	0.0	0.7	19.1	5	1	0.0
WB-4	0.0	0.4	20.0	0	0	0.0
WB-5	0.0	0.0	20.9	0	0	0.0
WB-6	0.0	0.7	20.2	0	0	0.0
WB-7	N/S	N/S	N/S	N/S	N/S	N/S
WB-8	0.0	0.0	20.9	0	0	0.0
WB-12	0.0	0.6	19.4	0	1	0.0
WB-13	0.0	0.0	17.7	7	1	0.0
WB-14	0.0	0.0	18.4	8	0	0.0
WB-15	0.0	0.1	16.9	7	0	0.0
EPL-1	0.0	0.4	20.2	0	0	0.0
EPL-2	0.0	1.1	18.8	5	1	0.0
EPL-3	0.0	2.0	17.1	5	1	0.0
EPL-4	0.0	2.2	16.2	5	1	0.0
EPL-5	0.0	3.4	15.6	5	1	0.0
ENE-1	0.0	0.0	19.3	16	2	0.0

Table 4
Soil Gas Survey Field Notes
Springfield Street School Complex
Providence, Rhode Island
May 7, 2009

Monitoring Well	Methane % by volume	Carbon Dioxide % by volume	Oxygen % by volume	Carbon Monoxide PPM	Hydrogen Sulfide PPM	Organic Vapors PPM
MG1	0.0	1.0	17.7	3	1	0.0
MG2	0.0	1.5	18.7	2	0	0.0
MG3	0.0	1.5	18.7	3	0	0.0
MG4	0.0	0.2	20.1	0	0	0.0
MG5	0.0	0.0	19.8	0	0	0.0
MPL2	0.0	3.0	14.9	7	0	0.0
MPL3	0.0	1.8	16.2	5	0	0.0
MPL5	0.0	4.1	16.5	5	1	0.0
MPL6	0.0	7.9	10.3	5	1	0.0
MPL7	0.0	0.0	12.6	4	1	0.0
MPL8	0.0	0.0	18.2	4	1	0.0
Remedial Action Work Plan Action Levels	**0.5%**	**1,000 PPM**	**NA**	**9 PPM**	**10 PPM**	**5 PPM**

Sampled by: Chris Jamison

Weather Conditions: Overcast, 60's deg F

Sampling Equipment: Landtec 500, QRae 4 gas meter, MiniRae 2000

N/S = Not sampled

Table 5
Results of Laboratory Analysis of Soil Gas
Springfield Street School Complex
Providence, Rhode Island

Parameter	OSHA PELs (PPBv)	Results of Analysis in parts per billion by volume (PPBv)																			
		MPL-6										WB-2									
Date Collected:		2/20/2007	5/17/2007	8/22/2007	11/14/2007	2/12/2008	5/21/2008	8/26/2008	11/26/2008	2/10/2009	5/7/2009	2/20/2007	5/17/2007	8/22/2007	11/14/2007	2/12/2008	5/21/2008	8/26/2008	11/26/2008	2/26/2009	5/12/2009
Benzene	1,000	ND	0.36	0.74	ND	ND	0.51	1.0	0.3	0.31	0.31	ND	0.29	ND	ND	ND	0.21	0.46	0.23	0.24	ND
Chloroethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND .	ND	ND	ND	ND
Chloroform	50,000	ND	3.2	0.48	ND	ND	0.25	ND	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06	ND	ND
Chloromethane	100,000	ND	0.24	0.36	ND	ND	0.28	0.88	0.36	0.39	0.16	ND	0.11	ND	ND	ND	0.2	0.56	0.23	0.54	ND
Dichlorodifluoromethane	1,000,000	ND	ND	0.28	ND	ND	0.53	0.78	0.31	0.44	0.44	ND	0.5	0.57	0.66	0.57	0.49	0.66	0.4	0.51	0.55
1,4-Dichlorobenzene	75,000	ND	ND	0.54	ND	ND	ND	0.65	ND	0.13	ND	ND	0.16	0.37	ND	ND	ND	ND	ND	0.15	ND
1,1-Dichoroethane	100,000	ND	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	None	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	100,000	ND	0.75	0.7	2.3	0.65	1.3	3.9	0.4	0.36	3.8	ND	0.55	0.46	3.2	0.78	0.41	1.3	0.33	0.42	2.0
Methylene Chloride	100,000	ND	ND	0.84	3.5	2	2.6	3.8	2.9	1.7	2.2	ND	0.53	0.5	4.9	2.5	3.4	3.0	2.3	1.1	2.0
Styrene	100,000	ND	1.6	1.5	1.4	ND	1.1	3.0	0.3	0.36	2.8	ND	1	1.1	0.69	ND	0.5	1.5	0.1	0.47	1.3
Tetrachloroethylene	100,000	ND	0.19	0.27	4.6	1.9	0.99	4.1	0.6	0.33	0.65	ND	0.16	0.81	3.2	2.7	0.64	1.6	0.8	0.32	16
Toluene	200,000	4.9	17	7.2	15	6.9	7.7	64	4	4.1	30	4.6	12	5.3	10	9.3	3	30	1.8	2.3	12
1,1,1-Trichloroethane	350,000	ND	ND	0.36	ND	ND	ND	0.27	ND	ND	ND	ND	ND	38	ND	1.3	ND	ND	ND	ND	ND
Trichloroethylene	100,000	ND	ND	0.25	0.53	1	4.1	3.6	1.7	ND	0.26	ND	ND	4.6	ND	ND	3	2.8	0.97	0.32	ND
Trichlorofluoromethane (Freon 11)	1,000,000	ND	ND	0.7	0.65	ND	0.27	1.3	0.5	0.28	0.72	ND	0.41	0.43	ND	ND	0.26	0.54	0.3	0.41	2.8
1,1,2-Trichloro-1,2,2,-Trifluoroethane	1,000,000	ND	ND	0.27	ND	ND	ND	ND	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07	ND	ND
1,3,5-Trimethylbenzene	None	ND	0.12	ND	ND	ND	0.28	3.7	0.1	ND	8.1	ND	ND	ND	0.57	ND	ND	0.67	0.2	0.13	1.4
1,2,4-Trimethylbenzene	None	ND	ND	0.44	1.6	1.3	1.3	9.1	0.3	0.24	15	ND	1	0.26	1.7	1.1	0.66	1.6	0.66	0.52	3.2
M/p-Xylene	100,000	1.4	3.1	2.4	5.3	2.2	3.7	11	1	0.95	11	1.2	2.5	1.8	10	2.6	1.3	3.7	0.94	1.4	6.1
o-Xylene	100,000	ND	0.61	0.68	1.8	0.69	1.6	5.0	0.4	0.32	8.0	ND	0.56	0.48	3.5	0.8	0.64	1.5	0.43	0.45	2.3

Notes:
ND = Not detected
Only detected compounds are listed, see laboratory report for complete list on analytes.

Attachment A

Limitations

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 LFR 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 LFR relied upon any information prepared by other parties not under contract to LFR, LFR 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 LFR's 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. LFR'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.

LFR, 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.

Attachment B

Laboratory Report for Soil Gas and Groundwater

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

May 18, 2009

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

Project Location: Springfield Street
Client Job Number:
Project Number: 081-12152-05
Laboratory Work Order Number: 09E0172

Enclosed are results of analyses for samples received by the laboratory on May 8, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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

REPORT DATE: 5/18/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 081-12152-05

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 09E0172

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

PROJECT LOCATION: Springfield Street

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
ATC-5	09E0172-01	Ground Water		SW-846 8260B	
ATC-4	09E0172-02	Ground Water		SW-846 8260B	
ATC-1	09E0172-03	Ground Water		SW-846 8260B	
MPL-6	09E0172-04	Air		EPA TO-14A	
Trip Blank	09E0172-05	Trip Blank		SW-846 8260B	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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:

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:

Methylene Chloride

09E0172-04[MPL-6], B000422-BS1

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), trans-1,4-Dichloro-2-butene

09E0172-01[ATC-5], 09E0172-02[ATC-4], 09E0172-03[ATC-1], 09E0172-05[Trip Blank], B000290-BLK1, B000290-BS1, B000290-BSD1

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

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), 2,2-Dichloropropane, Naphthalene, tert-Butyl Alcohol (TBA), trans-1,4-Dichloro-2-butene

09E0172-01[ATC-5], 09E0172-02[ATC-4], 09E0172-03[ATC-1], 09E0172-05[Trip Blank], B000290-BLK1, B000290-BS1, B000290-BSD1

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

Analyte & Samples(s) Qualified:

Bromomethane

B000290-BS1, B000290-BSD1

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

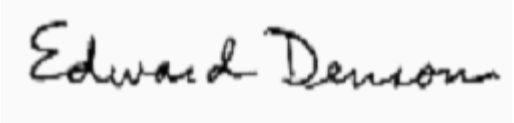
Analyte & Samples(s) Qualified:

1,4-Dioxane

09E0172-01[ATC-5], 09E0172-02[ATC-4], 09E0172-03[ATC-1], 09E0172-05[Trip Blank], B000290-BLK1, B000290-BS1, B000290-BSD1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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 individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Edward J. Denson
Technical Director

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Springfield Street
Date Received: 5/8/2009
Field Sample #: MPL-6
Sample ID: 09E0172-04
Sample Matrix: Air
Sampled: 5/7/2009 14:03

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

Work Order: 09E0172
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

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Benzene	0.31	0.10		0.98	0.32	2	5/8/09 19:48	WSD
Bromomethane	ND	0.10		ND	0.39	2	5/8/09 19:48	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	5/8/09 19:48	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	5/8/09 19:48	WSD
Chloroethane	ND	0.10		ND	0.26	2	5/8/09 19:48	WSD
Chloroform	ND	0.10		ND	0.49	2	5/8/09 19:48	WSD
Chloromethane	0.16	0.10		0.33	0.21	2	5/8/09 19:48	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	5/8/09 19:48	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	5/8/09 19:48	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	5/8/09 19:48	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	5/8/09 19:48	WSD
Dichlorodifluoromethane (Freon 12)	0.44	0.10		2.2	0.49	2	5/8/09 19:48	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	5/8/09 19:48	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	5/8/09 19:48	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	5/8/09 19:48	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	5/8/09 19:48	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	5/8/09 19:48	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	5/8/09 19:48	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	5/8/09 19:48	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	5/8/09 19:48	WSD
Ethylbenzene	3.8	0.10		16	0.43	2	5/8/09 19:48	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	5/8/09 19:48	WSD
Methylene Chloride	2.2	0.10	B	7.5	0.35	2	5/8/09 19:48	WSD
Styrene	2.8	0.10		12	0.43	2	5/8/09 19:48	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	5/8/09 19:48	WSD
Tetrachloroethylene	0.65	0.10		4.4	0.68	2	5/8/09 19:48	WSD
Toluene	30	0.10		110	0.38	2	5/8/09 19:48	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	5/8/09 19:48	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	5/8/09 19:48	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	5/8/09 19:48	WSD
Trichloroethylene	0.26	0.10		1.4	0.54	2	5/8/09 19:48	WSD
Trichlorofluoromethane (Freon 11)	0.72	0.10		4.0	0.56	2	5/8/09 19:48	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	5/8/09 19:48	WSD
1,2,4-Trimethylbenzene	15	0.10		72	0.49	2	5/8/09 19:48	WSD
1,3,5-Trimethylbenzene	8.1	0.10		40	0.49	2	5/8/09 19:48	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	5/8/09 19:48	WSD
m&p-Xylene	11	0.20		49	0.87	2	5/8/09 19:48	WSD
o-Xylene	8.0	0.10		35	0.43	2	5/8/09 19:48	WSD

Surrogates	% Recovery	% REC Limits

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Springfield Street
Date Received: 5/8/2009
Field Sample #: MPL-6
Sample ID: 09E0172-04
Sample Matrix: Air
Sampled: 5/7/2009 14:03

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

Work Order: 09E0172
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

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
4-Bromofluorobenzene (1)	96.9			70-130			5/8/09 19:48	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Springfield Street | Sample Description: | Work Order: 09E0172

Date Received: 5/8/2009

Field Sample #: ATC-5 | Sampled: 5/7/2009 18:45

Sample ID: 09E0172-01

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 8260B	5/11/09	5/12/09 8:24	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Bromomethane	ND	6.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 8:24	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Carbon Disulfide	ND	3.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Springfield Street | Sample Description: | Work Order: 09E0172

Date Received: 5/8/2009

Field Sample #: ATC-5 | Sampled: 5/7/2009 18:45

Sample ID: 09E0172-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 8:24	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:24	LBD

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	96.3	70-130			5/12/09 8:24
Toluene-d8	99.5	70-130			5/12/09 8:24
4-Bromofluorobenzene	92.9	70-130			5/12/09 8:24

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Springfield Street | Sample Description: | Work Order: 09E0172

Date Received: 5/8/2009

Field Sample #: ATC-4 | Sampled: 5/7/2009 19:01

Sample ID: 09E0172-02

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 8260B	5/11/09	5/12/09 8:55	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Bromomethane	ND	6.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 8:55	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Carbon Disulfide	ND	3.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,4-Dichlorobenzene	1.7	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Springfield Street | Sample Description: | Work Order: 09E0172

Date Received: 5/8/2009

Field Sample #: ATC-4 | Sampled: 5/7/2009 19:01

Sample ID: 09E0172-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 8:55	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 8:55	LBD

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	95.2	70-130			5/12/09 8:55
Toluene-d8	99.1	70-130			5/12/09 8:55
4-Bromofluorobenzene	94.4	70-130			5/12/09 8:55

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Springfield Street | Sample Description: | Work Order: 09E0172

Date Received: 5/8/2009

Field Sample #: ATC-1 | Sampled: 5/7/2009 19:13

Sample ID: 09E0172-03

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 8260B	5/11/09	5/12/09 9:27	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Bromomethane	ND	6.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 9:27	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Carbon Disulfide	ND	3.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Springfield Street | Sample Description: | Work Order: 09E0172

Date Received: 5/8/2009

Field Sample #: ATC-1 | Sampled: 5/7/2009 19:13

Sample ID: 09E0172-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 9:27	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 9:27	LBD

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	95.7	70-130			5/12/09 9:27
Toluene-d8	96.6	70-130			5/12/09 9:27
4-Bromofluorobenzene	93.6	70-130			5/12/09 9:27

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Springfield Street | Sample Description: | Work Order: 09E0172

Date Received: 5/8/2009

Field Sample #: Trip Blank | Sampled: 5/7/2009 00:00

Sample ID: 09E0172-05

Sample Matrix: Trip Blank

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 8260B	5/11/09	5/12/09 5:47	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Bromomethane	ND	6.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 5:47	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Carbon Disulfide	ND	3.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Springfield Street | Sample Description: | Work Order: 09E0172

Date Received: 5/8/2009

Field Sample #: Trip Blank | Sampled: 5/7/2009 00:00

Sample ID: 09E0172-05

Sample Matrix: Trip Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	5/11/09	5/12/09 5:47	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	5/11/09	5/12/09 5:47	LBD

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	96.2	70-130			5/12/09 5:47
Toluene-d8	98.0	70-130			5/12/09 5:47
4-Bromofluorobenzene	93.6	70-130			5/12/09 5:47

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extracton 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
09E0172-04 [MPL-6]	B000422	1	1	N/A	1000	400	200	05/08/09

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
09E0172-01 [ATC-5]	B000290	5	5	05/11/09
09E0172-02 [ATC-4]	B000290	5	5	05/11/09
09E0172-03 [ATC-1]	B000290	5	5	05/11/09
09E0172-05 [Trip Blank]	B000290	5	5	05/11/09

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B000422 - TO-15 Prep											
Blank (B000422-BLK1)					Prepared: 05/08/08 Analyzed: 05/08/09						
Benzene	ND	0.050									
Bromomethane	ND	0.050									
Carbon Tetrachloride	ND	0.050									
Chlorobenzene	ND	0.050									
Chloroethane	ND	0.050									
Chloroform	ND	0.050									
Chloromethane	ND	0.050									
1,2-Dibromoethane (EDB)	ND	0.050									
1,2-Dichlorobenzene	ND	0.050									
1,3-Dichlorobenzene	ND	0.050									
1,4-Dichlorobenzene	ND	0.050									
Dichlorodifluoromethane (Freon 12)	ND	0.050									
1,1-Dichloroethane	ND	0.050									
1,2-Dichloroethane	ND	0.050									
1,1-Dichloroethylene	ND	0.050									
cis-1,2-Dichloroethylene	ND	0.050									
1,2-Dichloropropane	ND	0.050									
cis-1,3-Dichloropropene	ND	0.050									
trans-1,3-Dichloropropene	ND	0.050									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.050									
Ethylbenzene	ND	0.050									
Hexachlorobutadiene	ND	0.050									
Methylene Chloride	0.34	0.050									
Styrene	ND	0.050									
1,1,2,2-Tetrachloroethane	ND	0.050									
Tetrachloroethylene	ND	0.050									
Toluene	ND	0.050									
1,2,4-Trichlorobenzene	ND	0.050									
1,1,1-Trichloroethane	ND	0.050									
1,1,2-Trichloroethane	ND	0.050									
Trichloroethylene	ND	0.050									
Trichlorofluoromethane (Freon 11)	ND	0.050									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.050									
1,2,4-Trimethylbenzene	ND	0.050									
1,3,5-Trimethylbenzene	ND	0.050									
Vinyl Chloride	ND	0.050									
m&p-Xylene	ND	0.10									
o-Xylene	ND	0.050									
Surrogate: 4-Bromofluorobenzene (1)	*7.31*				*8.00*		*91.4*	*70-130*			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B000422 - TO-15 Prep											
LCS (B000422-BS1)					Prepared: 05/08/08 Analyzed: 05/08/09						
Benzene	4.28				5.00		85.7	70-130			
Bromomethane	4.72				5.00		94.4	70-130			
Carbon Tetrachloride	4.82				5.00		96.4	70-130			
Chlorobenzene	5.00				5.00		100	70-130			
Chloroethane	4.76				5.00		95.2	70-130			
Chloroform	4.09				5.00		81.7	70-130			
Chloromethane	5.12				5.00		102	70-130			
1,2-Dibromoethane (EDB)	5.03				5.00		101	70-130			
1,2-Dichlorobenzene	5.85				5.00		117	70-130			
1,3-Dichlorobenzene	6.00				5.00		120	70-130			
1,4-Dichlorobenzene	5.92				5.00		118	70-130			
Dichlorodifluoromethane (Freon 12)	4.45				5.00		89.0	70-130			
1,1-Dichloroethane	3.96				5.00		79.2	70-130			
1,2-Dichloroethane	4.42				5.00		88.5	70-130			
1,1-Dichloroethylene	4.79				5.00		95.8	70-130			
cis-1,2-Dichloroethylene	4.06				5.00		81.2	70-130			
1,2-Dichloropropane	4.58				5.00		91.7	70-130			
cis-1,3-Dichloropropene	4.57				5.00		91.4	70-130			
trans-1,3-Dichloropropene	4.73				5.00		94.6	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.68				5.00		93.7	70-130			
Ethylbenzene	4.70				5.00		93.9	70-130			
Hexachlorobutadiene	5.29				5.00		106	70-130			
Methylene Chloride	6.10				5.00		122	70-130			B
Styrene	4.83				5.00		96.6	70-130			
1,1,2,2-Tetrachloroethane	5.71				5.00		114	70-130			
Tetrachloroethylene	4.73				5.00		94.5	70-130			
Toluene	4.63				5.00		92.5	70-130			
1,2,4-Trichlorobenzene	5.91				5.00		118	70-130			
1,1,1-Trichloroethane	4.34				5.00		86.8	70-130			
1,1,2-Trichloroethane	4.63				5.00		92.6	70-130			
Trichloroethylene	4.61				5.00		92.2	70-130			
Trichlorofluoromethane (Freon 11)	5.04				5.00		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.04				5.00		101	70-130			
1,2,4-Trimethylbenzene	5.26				5.00		105	70-130			
1,3,5-Trimethylbenzene	5.24				5.00		105	70-130			
Vinyl Chloride	4.53				5.00		90.6	70-130			
m&p-Xylene	9.48				10.0		94.8	70-130			
o-Xylene	5.08				5.00		102	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.69*				*8.00*		*96.1*	*70-130*			

con-test® ANALYTICAL LABORATORY

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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 B000290 - SW-846 5035										
Blank (B000290-BLK1)				Prepared: 05/11/09 Analyzed: 05/12/09						
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	1.0	µg/L							
Bromoform	ND	2.0	µg/L							
Bromomethane	ND	6.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
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	3.0	µg/L							
Carbon Tetrachloride	ND	1.0	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							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							L-04, V-05
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							L-04, V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
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							V-05
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	1.0	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							

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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 B000290 - SW-846 5035											
Blank (B000290-BLK1)				Prepared: 05/11/09 Analyzed: 05/12/09							
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L							V-05	
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							L-04, V-05	
1,2,4-Trichlorobenzene	ND	2.0	µg/L							L-04, V-05	
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								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	23.4		µg/L	25.0		93.7	70-130				
Surrogate: Toluene-d8	24.2		µg/L	25.0		97.0	70-130				
Surrogate: 4-Bromofluorobenzene	23.3		µg/L	25.0		93.2	70-130				
LCS (B000290-BS1)				Prepared: 05/11/09 Analyzed: 05/12/09							
Acetone	85.9	50	µg/L	100		85.9	70-160				†
Acrylonitrile	9.06	5.0	µg/L	10.0		90.6	70-130				
tert-Amyl Methyl Ether (TAME)	9.01	0.50	µg/L	10.0		90.1	70-130				
Benzene	9.72	1.0	µg/L	10.0		97.2	70-130				
Bromobenzene	9.41	1.0	µg/L	10.0		94.1	70-130				
Bromochloromethane	9.52	1.0	µg/L	10.0		95.2	70-130				
Bromodichloromethane	9.16	1.0	µg/L	10.0		91.6	70-130				
Bromoform	8.84	2.0	µg/L	10.0		88.4	70-130				
Bromomethane	14.7	6.0	µg/L	10.0		147	40-160			V-06	†
2-Butanone (MEK)	84.4	20	µg/L	100		84.4	40-160				†
tert-Butyl Alcohol (TBA)	73.5	20	µg/L	100		73.5	40-160			V-05	†
n-Butylbenzene	8.44	1.0	µg/L	10.0		84.4	70-130				
sec-Butylbenzene	9.71	1.0	µg/L	10.0		97.1	70-130				
tert-Butylbenzene	9.64	1.0	µg/L	10.0		96.4	70-130				
tert-Butyl Ethyl Ether (TBEE)	8.69	0.50	µg/L	10.0		86.9	70-130				
Carbon Disulfide	10.4	3.0	µg/L	10.0		104	70-130				
Carbon Tetrachloride	9.01	1.0	µg/L	10.0		90.1	70-130				
Chlorobenzene	9.98	1.0	µg/L	10.0		99.8	70-130				
Chlorodibromomethane	9.64	0.50	µg/L	10.0		96.4	70-130				
Chloroethane	9.45	2.0	µg/L	10.0		94.5	70-130				
Chloroform	10.0	2.0	µg/L	10.0		100	70-130				
Chloromethane	8.63	2.0	µg/L	10.0		86.3	40-160				†
2-Chlorotoluene	9.49	1.0	µg/L	10.0		94.9	70-130				

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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 B000290 - SW-846 5035												
LCS (B000290-BS1)				Prepared: 05/11/09 Analyzed: 05/12/09								
4-Chlorotoluene	9.55	1.0	µg/L	10.0		95.5		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	6.75	5.0	µg/L	10.0		**67.5**	*	70-130			L-04, V-05	
1,2-Dibromoethane (EDB)	9.78	0.50	µg/L	10.0		97.8		70-130				
Dibromomethane	9.91	1.0	µg/L	10.0		99.1		70-130				
1,2-Dichlorobenzene	9.43	1.0	µg/L	10.0		94.3		70-130				
1,3-Dichlorobenzene	9.51	1.0	µg/L	10.0		95.1		70-130				
1,4-Dichlorobenzene	9.05	1.0	µg/L	10.0		90.5		70-130				
trans-1,4-Dichloro-2-butene	6.87	2.0	µg/L	10.0		**68.7**	*	70-130			L-04, V-05	
Dichlorodifluoromethane (Freon 12)	7.81	2.0	µg/L	10.0		78.1		40-160				†
1,1-Dichloroethane	8.83	1.0	µg/L	10.0		88.3		70-130				
1,2-Dichloroethane	9.23	1.0	µg/L	10.0		92.3		70-130				
1,1-Dichloroethylene	8.84	1.0	µg/L	10.0		88.4		70-130				
cis-1,2-Dichloroethylene	8.26	1.0	µg/L	10.0		82.6		70-130				
trans-1,2-Dichloroethylene	8.74	1.0	µg/L	10.0		87.4		70-130				
1,2-Dichloropropane	9.15	1.0	µg/L	10.0		91.5		70-130				
1,3-Dichloropropane	9.47	0.50	µg/L	10.0		94.7		70-130				
2,2-Dichloropropane	4.52	1.0	µg/L	10.0		45.2		40-130			V-05	†
1,1-Dichloropropene	9.32	2.0	µg/L	10.0		93.2		70-130				
cis-1,3-Dichloropropene	8.23	0.50	µg/L	10.0		82.3		70-130				
trans-1,3-Dichloropropene	8.48	0.50	µg/L	10.0		84.8		70-130				
Diethyl Ether	9.90	2.0	µg/L	10.0		99.0		70-130				
Diisopropyl Ether (DIPE)	8.72	0.50	µg/L	10.0		87.2		70-130				
1,4-Dioxane	80.3	50	µg/L	100		80.3		40-130			V-16	†
Ethylbenzene	10.2	1.0	µg/L	10.0		102		70-130				
Hexachlorobutadiene	8.00	1.0	µg/L	10.0		80.0		70-130				
2-Hexanone (MBK)	83.0	10	µg/L	100		83.0		70-160				†
Isopropylbenzene (Cumene)	11.4	1.0	µg/L	10.0		114		70-130				
p-Isopropyltoluene (p-Cymene)	9.31	1.0	µg/L	10.0		93.1		70-130				
Methyl tert-Butyl Ether (MTBE)	9.16	1.0	µg/L	10.0		91.6		70-130				
Methylene Chloride	8.73	5.0	µg/L	10.0		87.3		70-130				
4-Methyl-2-pentanone (MIBK)	87.4	10	µg/L	100		87.4		70-160				†
Naphthalene	4.28	2.0	µg/L	10.0		42.8		40-130			V-05	†
n-Propylbenzene	9.72	1.0	µg/L	10.0		97.2		70-130				
Styrene	9.84	1.0	µg/L	10.0		98.4		70-130				
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102		70-130				
1,1,2,2-Tetrachloroethane	9.89	0.50	µg/L	10.0		98.9		70-130				
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105		70-160				†
Tetrahydrofuran	8.39	10	µg/L	10.0		83.9		70-130				
Toluene	9.54	1.0	µg/L	10.0		95.4		70-130				
1,2,3-Trichlorobenzene	4.99	5.0	µg/L	10.0		**49.9**	*	70-130			L-04, V-05	
1,2,4-Trichlorobenzene	5.80	2.0	µg/L	10.0		**58.0**	*	70-130			L-04, V-05	
1,3,5-Trichlorobenzene	8.91	1.0	µg/L	10.0		89.1		70-130				
1,1,1-Trichloroethane	9.24	1.0	µg/L	10.0		92.4		70-130				
1,1,2-Trichloroethane	9.37	1.0	µg/L	10.0		93.7		70-130				
Trichloroethylene	9.60	1.0	µg/L	10.0		96.0		70-130				
Trichlorofluoromethane (Freon 11)	9.11	2.0	µg/L	10.0		91.1		70-130				
1,2,3-Trichloropropane	9.29	2.0	µg/L	10.0		92.9		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	1.0	µg/L	10.0		103		70-130				
1,2,4-Trimethylbenzene	9.67	1.0	µg/L	10.0		96.7		70-130				
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102		70-130				
Vinyl Chloride	7.86	2.0	µg/L	10.0		78.6		40-160				†

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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 B000290 - SW-846 5035												
LCS (B000290-BS1)				Prepared: 05/11/09 Analyzed: 05/12/09								
m+p Xylene	20.1	2.0	µg/L	20.0		100		70-130				
o-Xylene	10.0	1.0	µg/L	10.0		100		70-130				
Surrogate: 1,2-Dichloroethane-d4	22.7		µg/L	25.0		90.7		70-130				
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.7		70-130				
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.7		70-130				
LCS Dup (B000290-BSD1)				Prepared: 05/11/09 Analyzed: 05/12/09								
Acetone	84.7	50	µg/L	100		84.7		70-160	1.48	25		†
Acrylonitrile	9.08	5.0	µg/L	10.0		90.8		70-130	0.221	25		
tert-Amyl Methyl Ether (TAME)	8.90	0.50	µg/L	10.0		89.0		70-130	1.23	25		
Benzene	9.29	1.0	µg/L	10.0		92.9		70-130	4.52	25		
Bromobenzene	9.42	1.0	µg/L	10.0		94.2		70-130	0.106	25		
Bromochloromethane	9.73	1.0	µg/L	10.0		97.3		70-130	2.18	25		
Bromodichloromethane	8.92	1.0	µg/L	10.0		89.2		70-130	2.65	25		
Bromoform	8.73	2.0	µg/L	10.0		87.3		70-130	1.25	25		
Bromomethane	14.7	6.0	µg/L	10.0		147		40-160	0.204	25	V-06	†
2-Butanone (MEK)	84.3	20	µg/L	100		84.3		40-160	0.154	25		†
tert-Butyl Alcohol (TBA)	73.4	20	µg/L	100		73.4		40-160	0.0681	25	V-05	†
n-Butylbenzene	8.03	1.0	µg/L	10.0		80.3		70-130	4.98	25		
sec-Butylbenzene	9.55	1.0	µg/L	10.0		95.5		70-130	1.66	25		
tert-Butylbenzene	9.35	1.0	µg/L	10.0		93.5		70-130	3.05	25		
tert-Butyl Ethyl Ether (TBEE)	8.70	0.50	µg/L	10.0		87.0		70-130	0.115	25		
Carbon Disulfide	10.1	3.0	µg/L	10.0		101		70-130	3.60	25		
Carbon Tetrachloride	8.84	1.0	µg/L	10.0		88.4		70-130	1.90	25		
Chlorobenzene	9.92	1.0	µg/L	10.0		99.2		70-130	0.603	25		
Chlorodibromomethane	9.43	0.50	µg/L	10.0		94.3		70-130	2.20	25		
Chloroethane	9.71	2.0	µg/L	10.0		97.1		70-130	2.71	25		
Chloroform	9.60	2.0	µg/L	10.0		96.0		70-130	4.28	25		
Chloromethane	8.39	2.0	µg/L	10.0		83.9		40-160	2.82	25		†
2-Chlorotoluene	9.34	1.0	µg/L	10.0		93.4		70-130	1.59	25		
4-Chlorotoluene	9.32	1.0	µg/L	10.0		93.2		70-130	2.44	25		
1,2-Dibromo-3-chloropropane (DBCP)	6.83	5.0	µg/L	10.0		**68.3**	*	70-130	1.18	25	L-04, V-05	
1,2-Dibromoethane (EDB)	9.57	0.50	µg/L	10.0		95.7		70-130	2.17	25		
Dibromomethane	9.58	1.0	µg/L	10.0		95.8		70-130	3.39	25		
1,2-Dichlorobenzene	9.33	1.0	µg/L	10.0		93.3		70-130	1.07	25		
1,3-Dichlorobenzene	9.44	1.0	µg/L	10.0		94.4		70-130	0.739	25		
1,4-Dichlorobenzene	9.13	1.0	µg/L	10.0		91.3		70-130	0.880	25		
trans-1,4-Dichloro-2-butene	6.90	2.0	µg/L	10.0		**69.0**	*	70-130	0.436	25	L-04, V-05	
Dichlorodifluoromethane (Freon 12)	7.64	2.0	µg/L	10.0		76.4		40-160	2.20	25		†
1,1-Dichloroethane	8.75	1.0	µg/L	10.0		87.5		70-130	0.910	25		
1,2-Dichloroethane	9.05	1.0	µg/L	10.0		90.5		70-130	1.97	25		
1,1-Dichloroethylene	8.59	1.0	µg/L	10.0		85.9		70-130	2.87	25		
cis-1,2-Dichloroethylene	8.10	1.0	µg/L	10.0		81.0		70-130	1.96	25		
trans-1,2-Dichloroethylene	8.53	1.0	µg/L	10.0		85.3		70-130	2.43	25		
1,2-Dichloropropane	9.01	1.0	µg/L	10.0		90.1		70-130	1.54	25		
1,3-Dichloropropane	9.08	0.50	µg/L	10.0		90.8		70-130	4.20	25		
2,2-Dichloropropane	4.32	1.0	µg/L	10.0		43.2		40-130	4.52	25	V-05	†
1,1-Dichloropropene	9.01	2.0	µg/L	10.0		90.1		70-130	3.38	25		
cis-1,3-Dichloropropene	8.12	0.50	µg/L	10.0		81.2		70-130	1.35	25		
trans-1,3-Dichloropropene	8.28	0.50	µg/L	10.0		82.8		70-130	2.39	25		
Diethyl Ether	9.97	2.0	µg/L	10.0		99.7		70-130	0.705	25		
Diisopropyl Ether (DIPE)	8.61	0.50	µg/L	10.0		86.1		70-130	1.27	25		

con-test® ANALYTICAL LABORATORY

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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 B000290 - SW-846 5035												
LCS Dup (B000290-BSD1)				Prepared: 05/11/09 Analyzed: 05/12/09								
1,4-Dioxane	80.2	50	µg/L	100		80.2		40-130	0.0498	50	V-16	† ‡
Ethylbenzene	9.91	1.0	µg/L	10.0		99.1		70-130	2.49	25		
Hexachlorobutadiene	7.10	1.0	µg/L	10.0		71.0		70-130	11.9	25		
2-Hexanone (MBK)	80.6	10	µg/L	100		80.6		70-160	3.02	25		†
Isopropylbenzene (Cumene)	11.0	1.0	µg/L	10.0		110		70-130	3.83	25		
p-Isopropyltoluene (p-Cymene)	9.19	1.0	µg/L	10.0		91.9		70-130	1.30	25		
Methyl tert-Butyl Ether (MTBE)	8.98	1.0	µg/L	10.0		89.8		70-130	1.98	25		
Methylene Chloride	8.78	5.0	µg/L	10.0		87.8		70-130	0.571	25		
4-Methyl-2-pentanone (MIBK)	86.3	10	µg/L	100		86.3		70-160	1.20	25		†
Naphthalene	4.18	2.0	µg/L	10.0		41.8		40-130	2.36	25	V-05	†
n-Propylbenzene	9.47	1.0	µg/L	10.0		94.7		70-130	2.61	25		
Styrene	9.86	1.0	µg/L	10.0		98.6		70-130	0.203	25		
1,1,1,2-Tetrachloroethane	9.68	1.0	µg/L	10.0		96.8		70-130	4.84	25		
1,1,2,2-Tetrachloroethane	9.80	0.50	µg/L	10.0		98.0		70-130	0.914	25		
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100		70-160	4.10	25		†
Tetrahydrofuran	8.55	10	µg/L	10.0		85.5		70-130	1.89	25		
Toluene	9.31	1.0	µg/L	10.0		93.1		70-130	2.44	25		
1,2,3-Trichlorobenzene	4.70	5.0	µg/L	10.0		**47.0**	*	70-130	5.99	25	V-05, L-04	
1,2,4-Trichlorobenzene	5.17	2.0	µg/L	10.0		**51.7**	*	70-130	11.5	25	L-04, V-05	
1,3,5-Trichlorobenzene	8.65	1.0	µg/L	10.0		86.5		70-130	2.96	25		
1,1,1-Trichloroethane	8.90	1.0	µg/L	10.0		89.0		70-130	3.75	25		
1,1,2-Trichloroethane	9.11	1.0	µg/L	10.0		91.1		70-130	2.81	25		
Trichloroethylene	9.30	1.0	µg/L	10.0		93.0		70-130	3.17	25		
Trichlorofluoromethane (Freon 11)	9.09	2.0	µg/L	10.0		90.9		70-130	0.220	25		
1,2,3-Trichloropropane	8.82	2.0	µg/L	10.0		88.2		70-130	5.19	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.79	1.0	µg/L	10.0		97.9		70-130	4.88	25		
1,2,4-Trimethylbenzene	9.51	1.0	µg/L	10.0		95.1		70-130	1.67	25		
1,3,5-Trimethylbenzene	9.94	1.0	µg/L	10.0		99.4		70-130	2.58	25		
Vinyl Chloride	7.41	2.0	µg/L	10.0		74.1		40-160	5.89	25		†
m+p Xylene	19.4	2.0	µg/L	20.0		97.0		70-130	3.49	25		
o-Xylene	9.78	1.0	µg/L	10.0		97.8		70-130	2.52	25		
Surrogate: 1,2-Dichloroethane-d4	23.0		µg/L	25.0		92.1		70-130				
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.2		70-130				
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.4		70-130				

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished 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.
B	Analyte is found in the associated blank as well as in the sample.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant 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. Significant 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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-14A in Air	
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
SW-846 8260B in Water	
Acetone	CT,NH,NY
Acrylonitrile	CT,NY,RI
tert-Amyl Methyl Ether (TAME)	NH,NY
Benzene	CT,NH,NY,RI
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY,RI
Bromoform	CT,NH,NY,RI
Bromomethane	CT,NH,NY,RI
2-Butanone (MEK)	CT,NH,NY
tert-Butyl Alcohol (TBA)	NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Water	
tert-Butyl Ethyl Ether (TBEE)	NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY,RI
Chlorobenzene	CT,NH,NY,RI
Chlorodibromomethane	CT,NH,NY,RI
Chloroethane	CT,NH,NY,RI
Chloroform	CT,NH,NY,RI
Chloromethane	CT,NH,NY,RI
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NY,RI
1,3-Dichlorobenzene	CT,NH,NY,RI
1,4-Dichlorobenzene	CT,NH,NY,RI
trans-1,4-Dichloro-2-butene	NH,NY
Dichlorodifluoromethane (Freon 12)	NH,NY,RI
1,1-Dichloroethane	CT,NH,NY,RI
1,2-Dichloroethane	CT,NH,NY,RI
1,1-Dichloroethylene	CT,NH,NY,RI
trans-1,2-Dichloroethylene	CT,NH,NY,RI
1,2-Dichloropropane	CT,NH,NY,RI
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY,RI
trans-1,3-Dichloropropene	CT,NH,NY,RI
Diisopropyl Ether (DIPE)	NH,NY
Ethylbenzene	CT,NH,NY,RI
Hexachlorobutadiene	CT,NH,NY
2-Hexanone (MBK)	CT,NH,NY
p-Isopropyltoluene (p-Cymene)	CT,NH,NY
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY
Methylene Chloride	CT,NH,NY,RI
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
n-Propylbenzene	CT,NH,NY
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY,RI
Tetrachloroethylene	CT,NH,NY,RI
Toluene	CT,NH,NY,RI
1,2,3-Trichlorobenzene	NH,NY
1,2,4-Trichlorobenzene	CT,NH,NY
1,1,1-Trichloroethane	CT,NH,NY,RI
1,1,2-Trichloroethane	CT,NH,NY,RI
Trichloroethylene	CT,NH,NY,RI
Trichlorofluoromethane (Freon 11)	CT,NH,NY,RI
1,2,3-Trichloropropane	NH,NY
Vinyl Chloride	CT,NH,NY,RI
m+p Xylene	CT,NH,NY,RI

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Water	
o-Xylene	CT,NH,NY,RI

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

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2010
MA	Massachusetts DEP	M-MA100	06/30/2009
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2009
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2009
NC	North Carolina Div. of Water Quality	652	12/31/2009
NJ	New Jersey DEP	MA007 NELAP	06/30/2009
FL	Florida Department of Health	E871027 NELAP	06/30/2009
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2009
WA	State of Washington Department of Ecology	C2065	03/23/2010

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Phone: 413-525-2332
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Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

09E0172

Page ____ of ____

Company Name: LFR INC
Address: 300 METRO CENTER BLVD
WARWICK RI 02886
Attention: DONNA PALLISTER
Project Location: SPRINGFIELD ST
Sampled By: CHRIS JOHNSON

Telephone: (RI) [illegible]
Project # 001-12152-04
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: donna.pallister@lfr.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes ______ proposal date
State Form Required? ☐ yes ☐ no

									8260	TO-14
# of containers									4	1
**Preservation									H	—
~Cont. Code									V	TB
Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	8260	TO-14
	ATC-5	01	5/7/09	18:45		X	GW		X	
	ATC-4	02	5/7/09	19:01		X	GW		X	
	ATE-1	03	5/7/09	19:13		X	GW		X	
	MPL-6	04	5/7/09	14:03		X	A			X
	WB-2	~~05~~ (KP)	5/7/09	17:11		X	A			X
	TRIP BLANK	~~06~~ 05	5/7/09	—					X	

ANALYSIS REQUESTED

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

Client Comments:

Laboratory Comments: OK to run 1 tedlar bag MPL-6 - only one rcvd per Chris. MA 5/8/09

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

	Date/Time:
Relinquished by: (signature) [signature] (Ford) Rel	5/7/09 20:15
Received by: (signature) [signature]	5-8-09 1030
Relinquished by: (signature) [signature]	5-8-09 1715
Received by: (signature) [signature] Temp 4°C	5/8/09 17:35

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? RI 6/3
Data Enhancement Project/RCP? ☐ Y ☒ N
Special Requirements or DL's:

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

**Preservation Codes:
I = Iced
X = Na hydroxide
H = HCL
T = Na thiosulfate
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other

** TURNAROUND TIME 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 BY OUR CLIENT.

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con-test® ANALYTICAL LABORATORY

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

Sample Receipt Checklist

CLIENT NAME:_____ RECEIVED BY:_____ DATE:_____

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? Yes (No)
If not, explain: No Tedlar received for WB-2

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) How were the samples received:
On Ice [X] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [X]

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No

Temperature °C by Temp blank 4°C Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (No) Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19C/Ar

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

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below	13	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	1 Tedlr

Laboratory Comments:

40 mL vials: # HCl 13 # Methanol _____
Bisulfate _____ # DI Water _____ Time and Date Frozen: _____
Thiosulfate _____ Unpreserved _____

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

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

May 18, 2009

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

Project Location: Springfield St
Client Job Number:
Project Number: 081-12152-05
Laboratory Work Order Number: 09E0233

Enclosed are results of analyses for samples received by the laboratory on May 13, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

REPORT DATE:

PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

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

PROJECT LOCATION:

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB

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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:

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:

Methylene Chloride

09E0233-01[WB-2], B000328-BS1

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 individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Air Lab Director

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Springfield St
Date Received: 5/13/2009
Field Sample #: WB-2
Sample ID: 09E0233-01
Sample Matrix: Air
Sampled: 5/12/2009 10:00

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

Work Order: 09E0233
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

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Benzene	ND	0.050		ND	0.16	1	5/13/09 10:29	WSD
Bromomethane	ND	0.050		ND	0.19	1	5/13/09 10:29	WSD
Carbon Tetrachloride	ND	0.050		ND	0.31	1	5/13/09 10:29	WSD
Chlorobenzene	ND	0.050		ND	0.23	1	5/13/09 10:29	WSD
Chloroethane	ND	0.050		ND	0.13	1	5/13/09 10:29	WSD
Chloroform	ND	0.050		ND	0.24	1	5/13/09 10:29	WSD
Chloromethane	ND	0.050		ND	0.10	1	5/13/09 10:29	WSD
1,2-Dibromoethane (EDB)	ND	0.050		ND	0.38	1	5/13/09 10:29	WSD
1,2-Dichlorobenzene	ND	0.050		ND	0.30	1	5/13/09 10:29	WSD
1,3-Dichlorobenzene	ND	0.050		ND	0.30	1	5/13/09 10:29	WSD
1,4-Dichlorobenzene	ND	0.050		ND	0.30	1	5/13/09 10:29	WSD
Dichlorodifluoromethane (Freon 12)	0.55	0.050		2.7	0.25	1	5/13/09 10:29	WSD
1,1-Dichloroethane	ND	0.050		ND	0.20	1	5/13/09 10:29	WSD
1,2-Dichloroethane	ND	0.050		ND	0.20	1	5/13/09 10:29	WSD
1,1-Dichloroethylene	ND	0.050		ND	0.20	1	5/13/09 10:29	WSD
cis-1,2-Dichloroethylene	ND	0.050		ND	0.20	1	5/13/09 10:29	WSD
1,2-Dichloropropane	ND	0.050		ND	0.23	1	5/13/09 10:29	WSD
cis-1,3-Dichloropropene	ND	0.050		ND	0.23	1	5/13/09 10:29	WSD
trans-1,3-Dichloropropene	ND	0.050		ND	0.23	1	5/13/09 10:29	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.050		ND	0.35	1	5/13/09 10:29	WSD
Ethylbenzene	2.0	0.050		8.5	0.22	1	5/13/09 10:29	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	1	5/13/09 10:29	WSD
Methylene Chloride	2.0	0.10	B	7.1	0.35	1	5/13/09 10:29	WSD
Styrene	1.3	0.050		5.3	0.21	1	5/13/09 10:29	WSD
1,1,2,2-Tetrachloroethane	ND	0.050		ND	0.34	1	5/13/09 10:29	WSD
Tetrachloroethylene	16	0.050		110	0.34	1	5/13/09 10:29	WSD
Toluene	12	0.050		46	0.19	1	5/13/09 10:29	WSD
1,2,4-Trichlorobenzene	ND	0.050		ND	0.37	1	5/13/09 10:29	WSD
1,1,1-Trichloroethane	ND	0.050		ND	0.27	1	5/13/09 10:29	WSD
1,1,2-Trichloroethane	ND	0.050		ND	0.27	1	5/13/09 10:29	WSD
Trichloroethylene	ND	0.050		ND	0.27	1	5/13/09 10:29	WSD
Trichlorofluoromethane (Freon 11)	2.8	0.050		16	0.28	1	5/13/09 10:29	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.050		ND	0.38	1	5/13/09 10:29	WSD
1,2,4-Trimethylbenzene	3.2	0.050		16	0.25	1	5/13/09 10:29	WSD
1,3,5-Trimethylbenzene	1.4	0.050		6.7	0.25	1	5/13/09 10:29	WSD
Vinyl Chloride	ND	0.050		ND	0.13	1	5/13/09 10:29	WSD
m&p-Xylene	6.1	0.10		26	0.43	1	5/13/09 10:29	WSD
o-Xylene	2.3	0.050		9.8	0.22	1	5/13/09 10:29	WSD

Surrogates	% Recovery	% REC Limits

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Springfield St	Sample Description/Location:	**Work Order: 09E0233**
Date Received: 5/13/2009	Sub Description/Location:	Initial Vacuum(in Hg):
Field Sample #: WB-2	Canister ID:	Final Vacuum(in Hg):
Sample ID: 09E0233-01	Canister Size:	Receipt Vacuum(in Hg):
Sample Matrix: Air	Flow Controller ID:	Flow Controller Type:
Sampled: 5/12/2009 10:00	Sample Type:	Flow Controller Calibration
		RPD Pre and Post-Sampling:

EPA TO-14A

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
4-Bromofluorobenzene (1)	89.2			70-130			5/13/09 10:29	

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Sample Extracton 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
09E0233-01 [WB-2]	B000328	1	1	N/A	1000	400	400	05/13/09

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B000328 - TO-15 Prep											
Blank (B000328-BLK1)					Prepared & Analyzed: 05/12/09						
Benzene	ND	0.035									
Bromomethane	ND	0.035									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
Ethylbenzene	ND	0.035									
Hexachlorobutadiene	ND	0.070									
Methylene Chloride	0.27	0.070									
Styrene	ND	0.035									
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.035									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.035									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*7.01*				*8.00*		*87.6*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B000328 - TO-15 Prep											
LCS (B000328-BS1)					Prepared & Analyzed: 05/12/09						
Benzene	4.42				5.00		88.4	70-130			
Bromomethane	5.12				5.00		102	70-130			
Carbon Tetrachloride	4.72				5.00		94.5	70-130			
Chlorobenzene	5.05				5.00		101	70-130			
Chloroethane	5.03				5.00		101	70-130			
Chloroform	4.37				5.00		87.5	70-130			
Chloromethane	5.46				5.00		109	70-130			
1,2-Dibromoethane (EDB)	5.11				5.00		102	70-130			
1,2-Dichlorobenzene	5.87				5.00		117	70-130			
1,3-Dichlorobenzene	5.89				5.00		118	70-130			
1,4-Dichlorobenzene	5.85				5.00		117	70-130			
Dichlorodifluoromethane (Freon 12)	4.59				5.00		91.8	70-130			
1,1-Dichloroethane	4.37				5.00		87.3	70-130			
1,2-Dichloroethane	4.55				5.00		91.0	70-130			
1,1-Dichloroethylene	4.96				5.00		99.2	70-130			
cis-1,2-Dichloroethylene	4.47				5.00		89.3	70-130			
1,2-Dichloropropane	4.53				5.00		90.7	70-130			
cis-1,3-Dichloropropene	4.54				5.00		90.9	70-130			
trans-1,3-Dichloropropene	4.56				5.00		91.2	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.98				5.00		99.6	70-130			
Ethylbenzene	4.68				5.00		93.7	70-130			
Hexachlorobutadiene	5.41				5.00		108	70-130			
Methylene Chloride	6.10				5.00		122	70-130			B
Styrene	4.83				5.00		96.7	70-130			
1,1,2,2-Tetrachloroethane	5.44				5.00		109	70-130			
Tetrachloroethylene	5.11				5.00		102	70-130			
Toluene	4.70				5.00		94.0	70-130			
1,2,4-Trichlorobenzene	6.05				5.00		121	70-130			
1,1,1-Trichloroethane	4.32				5.00		86.4	70-130			
1,1,2-Trichloroethane	4.71				5.00		94.2	70-130			
Trichloroethylene	4.73				5.00		94.5	70-130			
Trichlorofluoromethane (Freon 11)	5.15				5.00		103	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.42				5.00		108	70-130			
1,2,4-Trimethylbenzene	5.07				5.00		101	70-130			
1,3,5-Trimethylbenzene	5.08				5.00		102	70-130			
Vinyl Chloride	5.00				5.00		100	70-130			
m&p-Xylene	9.20				10.0		92.0	70-130			
o-Xylene	4.80				5.00		96.0	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.01*				*8.00*		*87.6*	*70-130*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished 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.
B	Analyte is found in the associated blank as well as in the sample.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-14A in Air	
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

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

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2010
MA	Massachusetts DEP	M-MA100	06/30/2009
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2009
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2009
NC	North Carolina Div. of Water Quality	652	12/31/2009
NJ	New Jersey DEP	MA007 NELAP	06/30/2009
FL	Florida Department of Health	E871027 NELAP	06/30/2009
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2009
WA	State of Washington Department of Ecology	C2065	03/23/2010

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 1 of 1

Company Name: LFR INC
Address: 300 METRO CENTER BLVD
WARWICK RI 02886
Attention: DONNA PALLISTER
Project Location: SPRINGFIELD ST SCHOOL
Sampled By: CHRIS JAMISON

Telephone: (401) 738-3897
Project # 001
Client PO #

DATA DELIVERY (check one):
☐ FAX ☑ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: donna.pallister@lfr.com
Format: ☑ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	TO-14	# of containers	**Preservation	~Cont.Code
	WB-2		5/12	10:00		X	A		X			

ANALYSIS REQUESTED

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

Client Comments

Laboratory 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

	Date/Time:
Relinquished by: (signature)	5/12/09 10:42
Received by: (signature)	5/12/09 10:42
Relinquished by: (signature)	5/12 1820
Received by: (signature)	5/12/09 1820

Turnaround **
☐ 7-Day
☐ 10-Day
☑ Other TAT
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? _____
Data Enhancement Project/RCP? ☐ Y ☑ N
Special Requirements or DL's: _____

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME 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

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East Longmeadow, MA
Phone: 1-413-525-2332
Fax: 1-413-525-6405

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: LFR

RECEIVED BY: KM DATE: 05/12/09

1. Was chain of custody relinquished and signed? (YES) NO
2. Does Chain agree with samples? (YES) NO

If not, explain:

3. All Samples in good condition? (YES) NO

If not, explain:

4. Are there any on hold samples? YES (NO) STORED WHERE:

5. ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS NOTIFIED?_____ DATE_____ TIME_____

Location where samples are stored: AIR

Permission to sub-contract samples? Yes No (circle)
(Walk in clients only) if not already approved.
Client Signature_____

CONTAINERS SENT TO CON-TEST	# of containers
Summa cans	
Tedlar Bags	1
Regulators	
Restrictors	
Tubes	
Other	

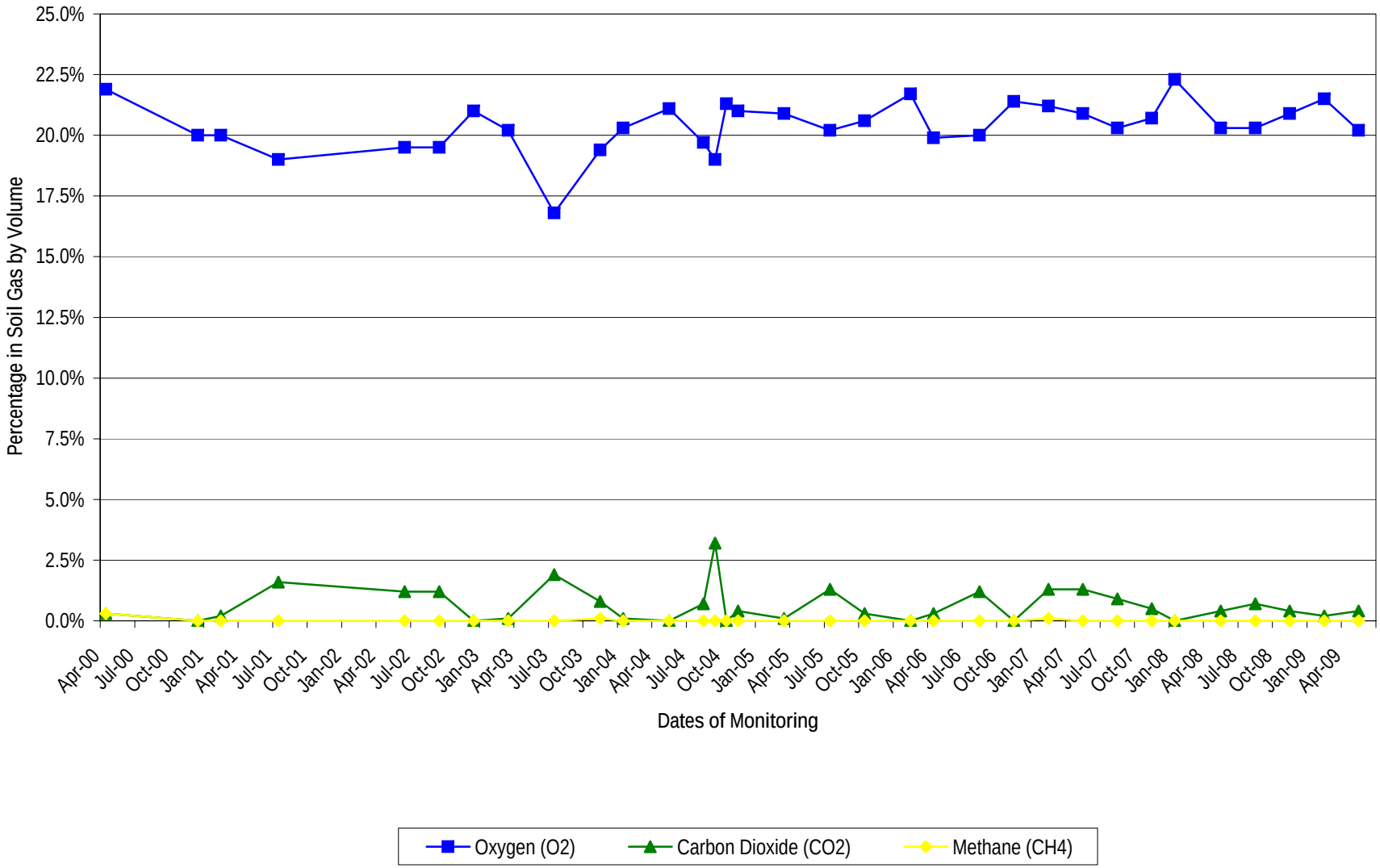
1. Was all media (used & unused) checked into the WASP asset management program? Y
2. Were all returned summa cans, restrictors, & regulators documented as returned in the AIR Lab Outbound excel sheet? Y
3. Were the Lab ID's documented in the Air Lab Outbound excel sheet? Y
4. Was the job documented in the Air Lab Log-In Access Database? Y

Laboratory comments:

Attachment C

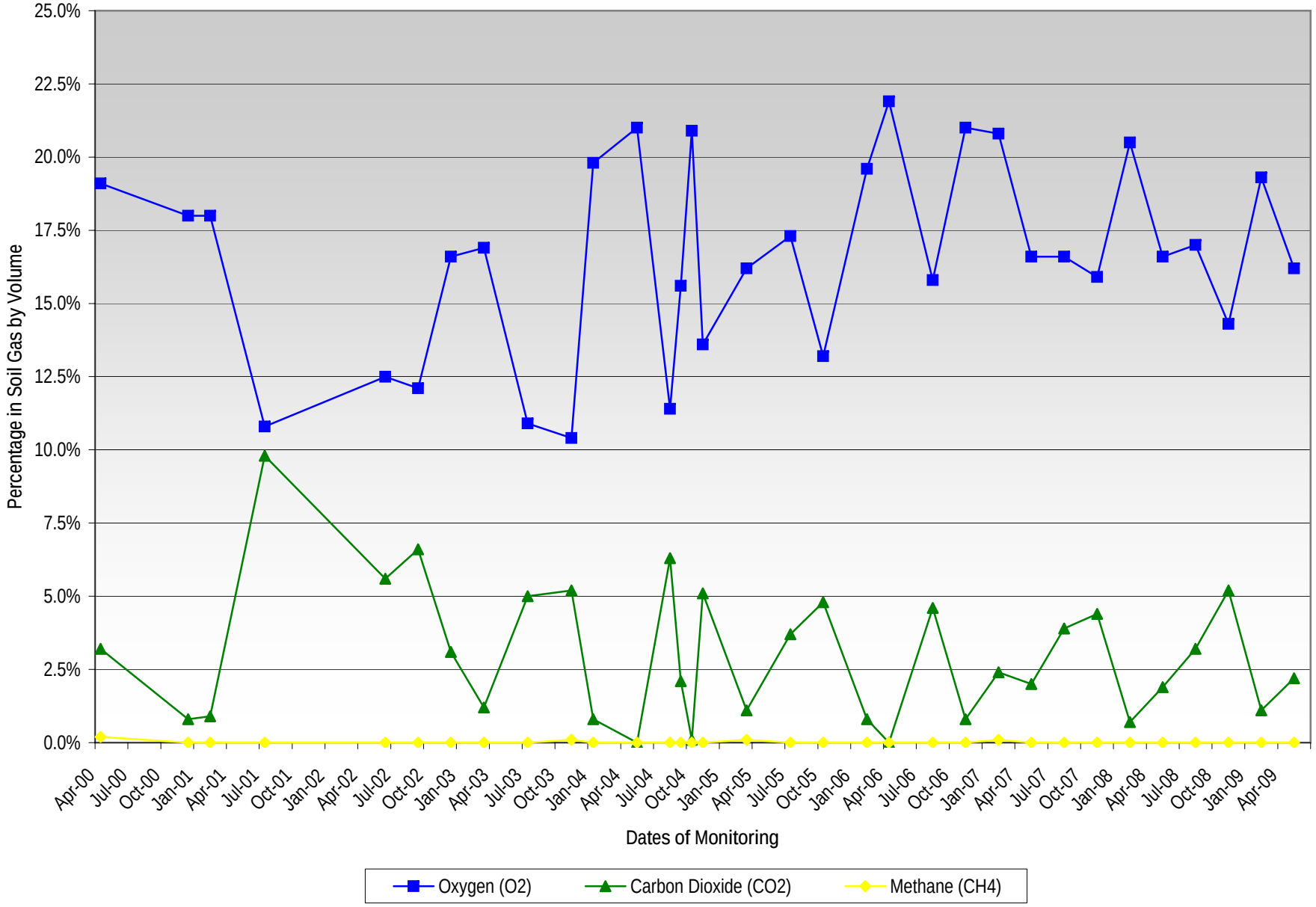
Soil Gas Graphs

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



H:\Active Jobs\081-12152\Monitoring Trends\Soil Gas Trends-5-2009.xls\EPL1

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



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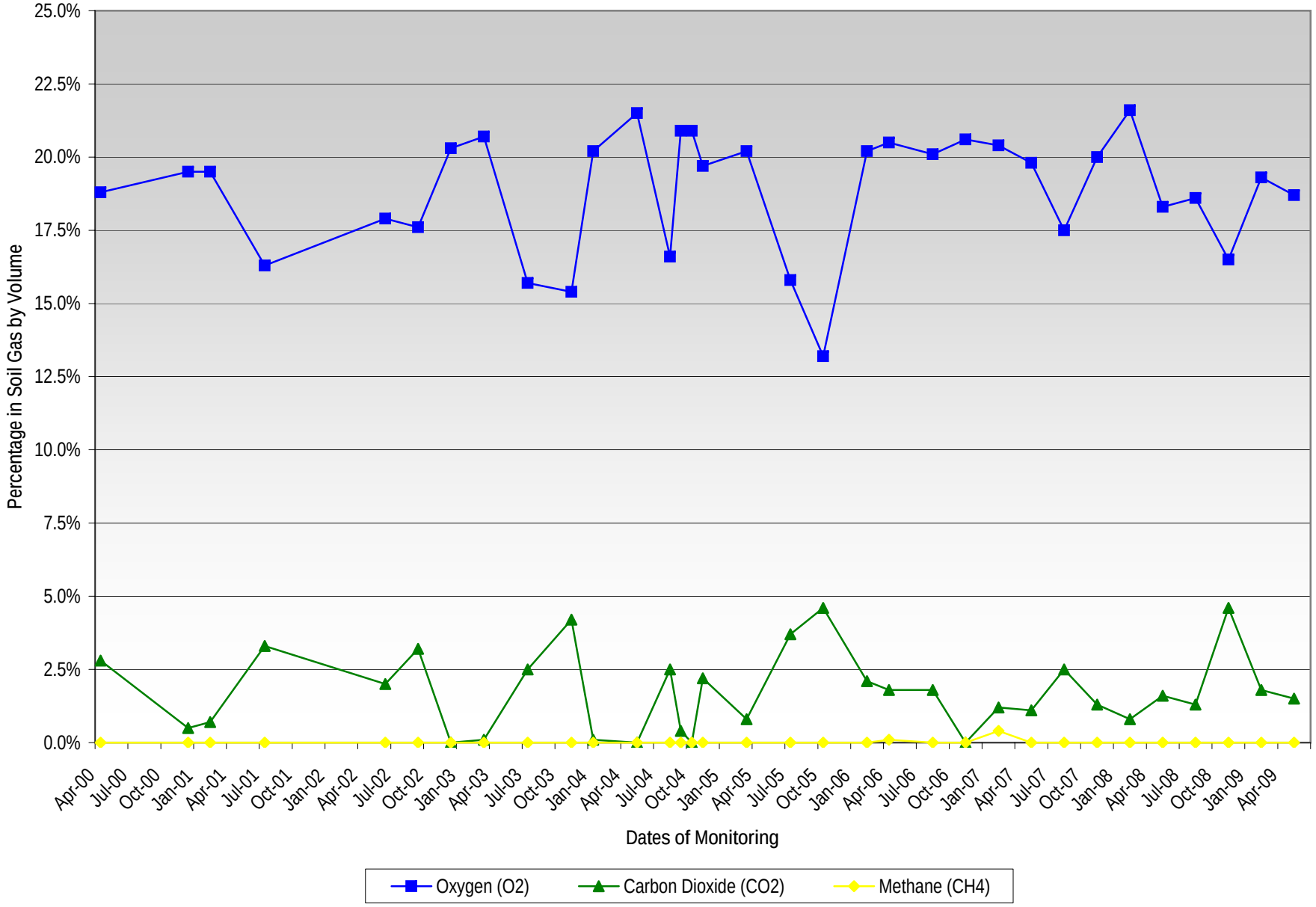
Soil Gas Well MG2
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



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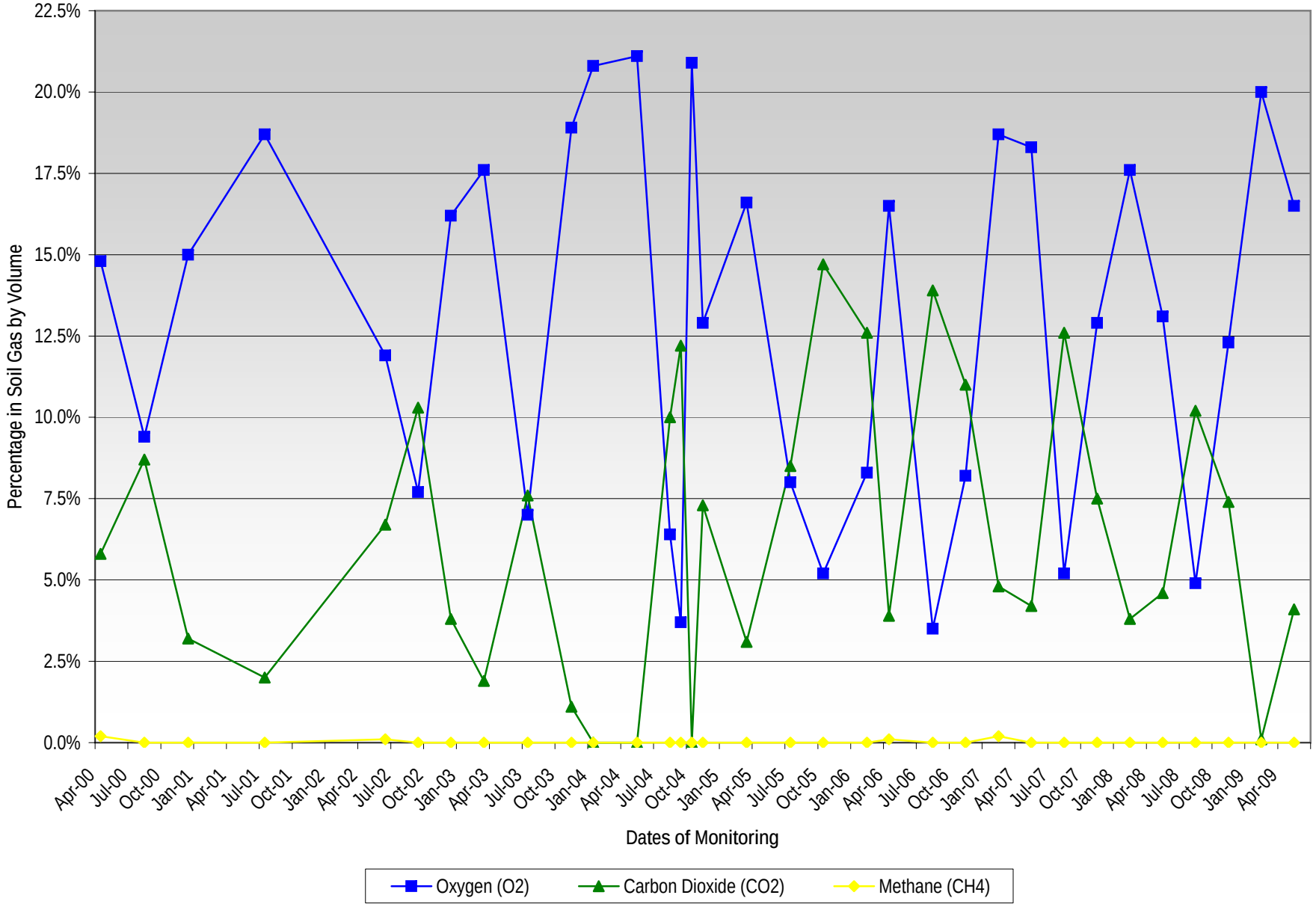
Soil Gas Well MPL5
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



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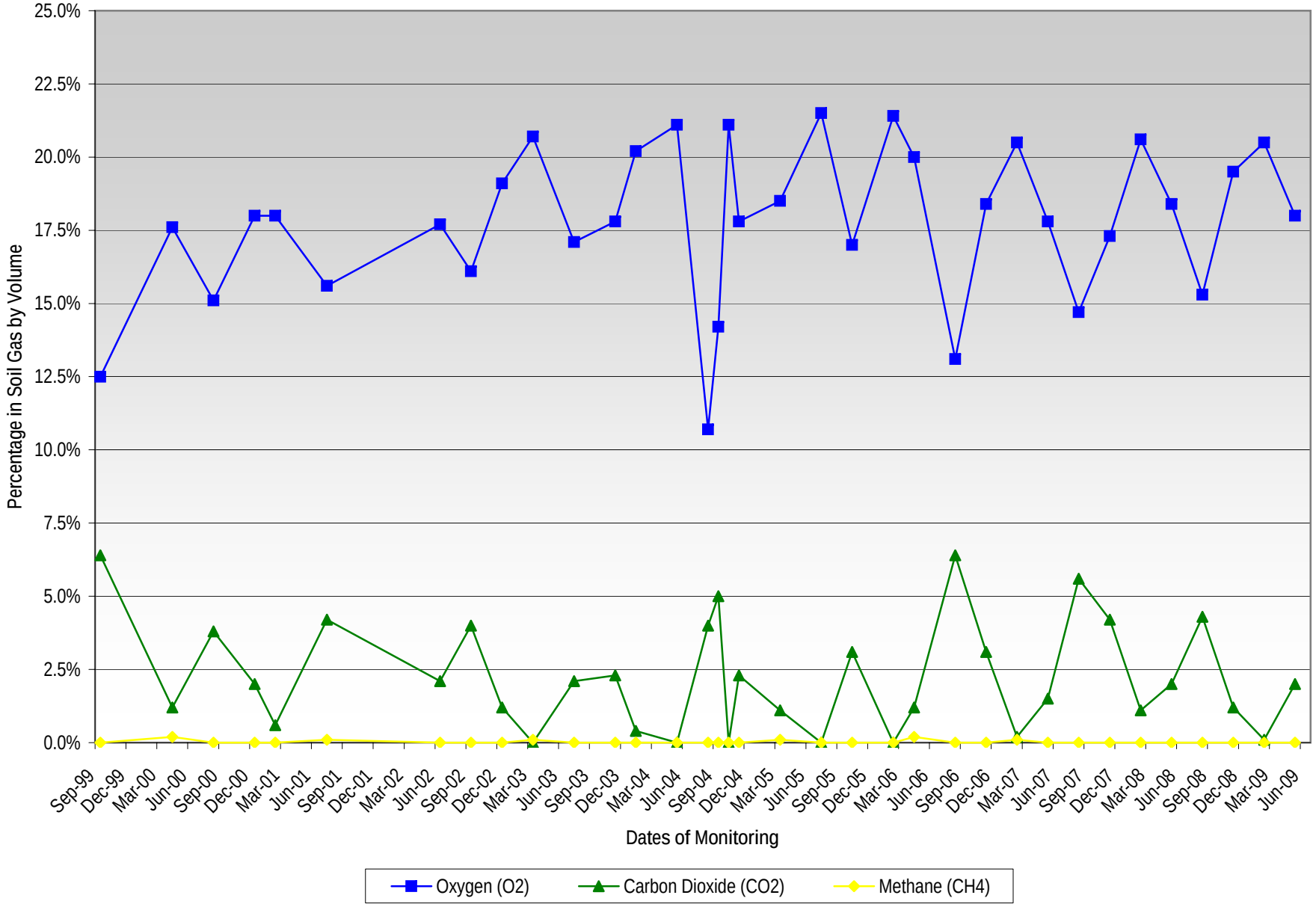
Soil Gas Well WB1
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



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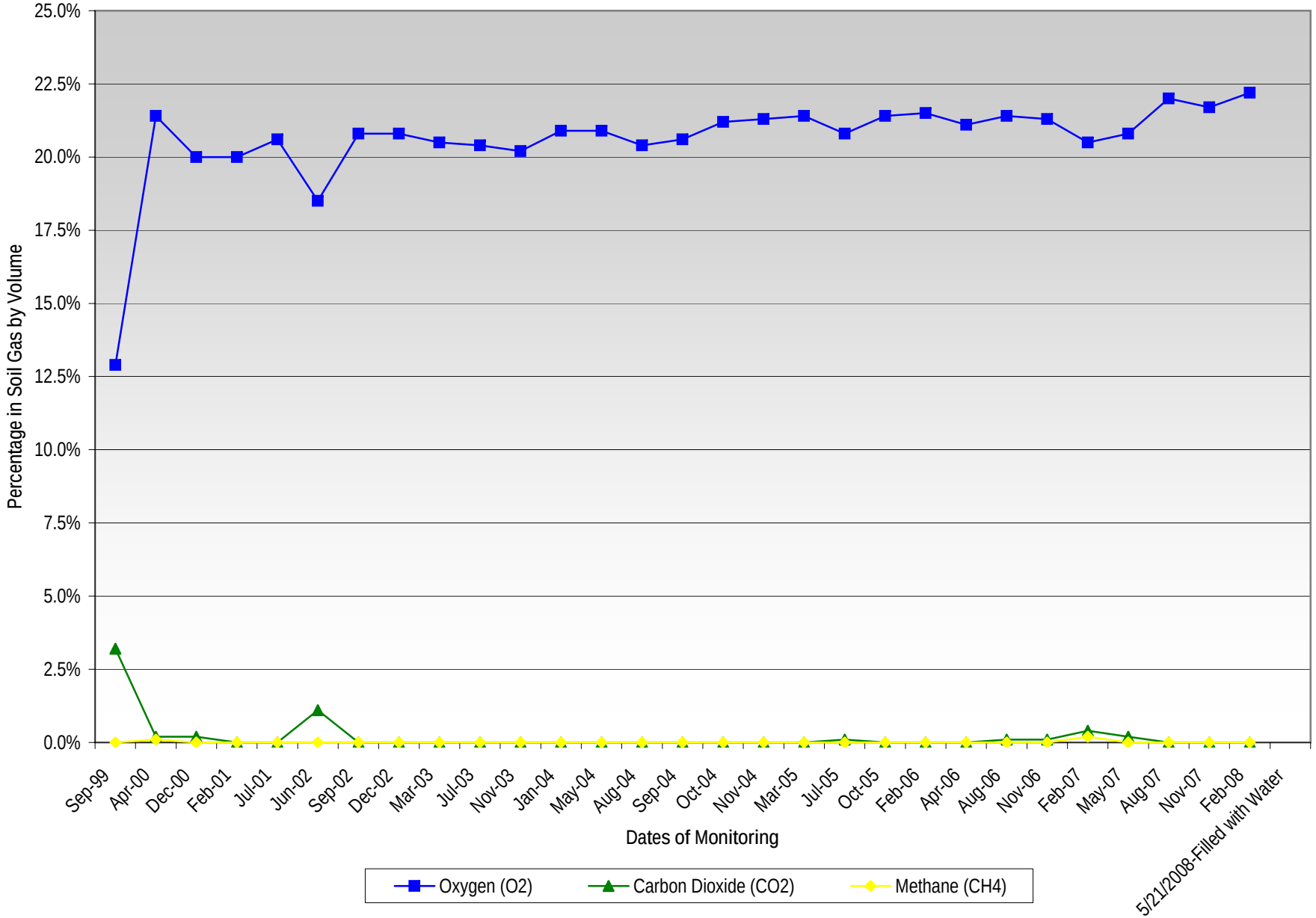
Soil Gas Well WB7
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



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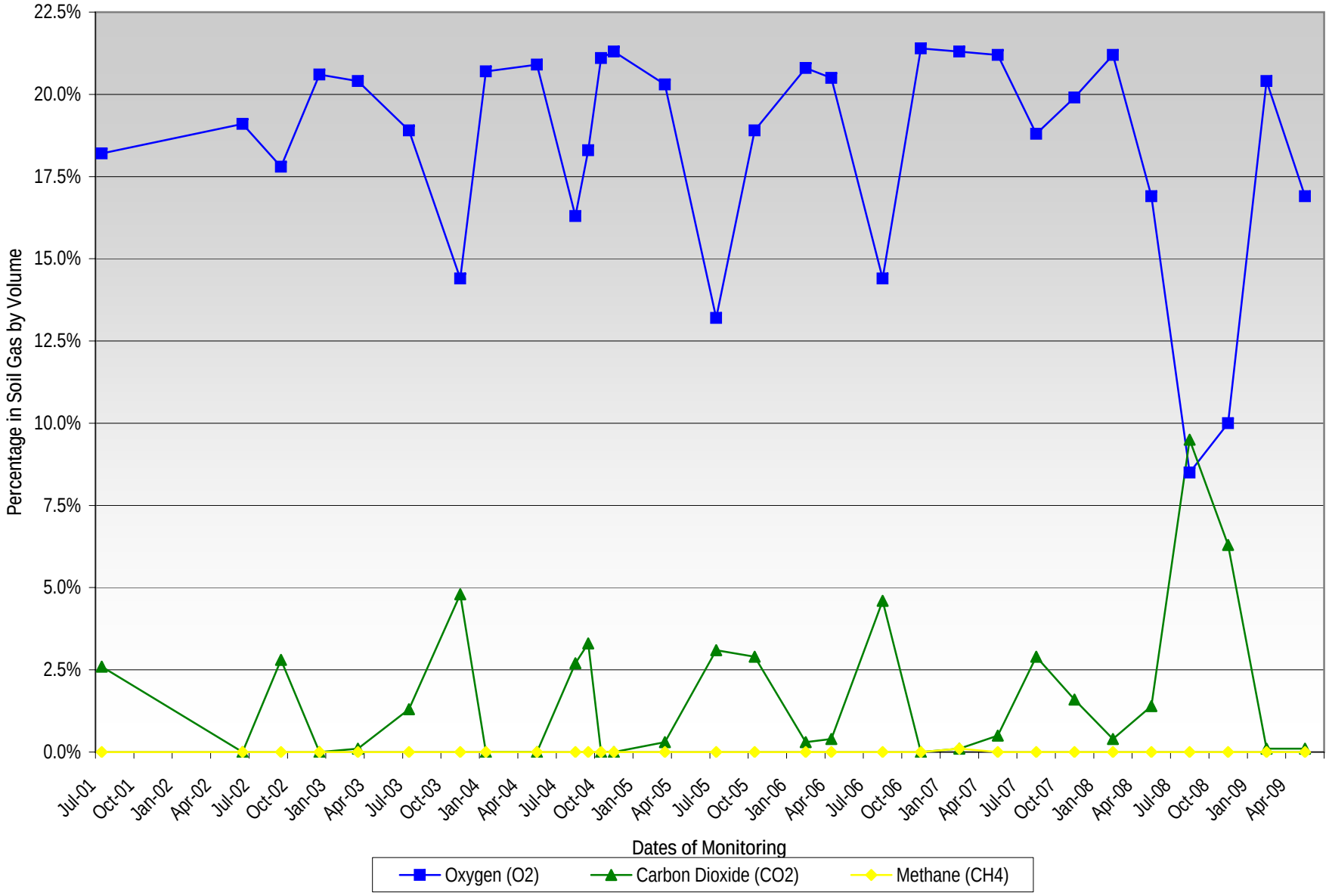
Soil Gas Well WB15
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



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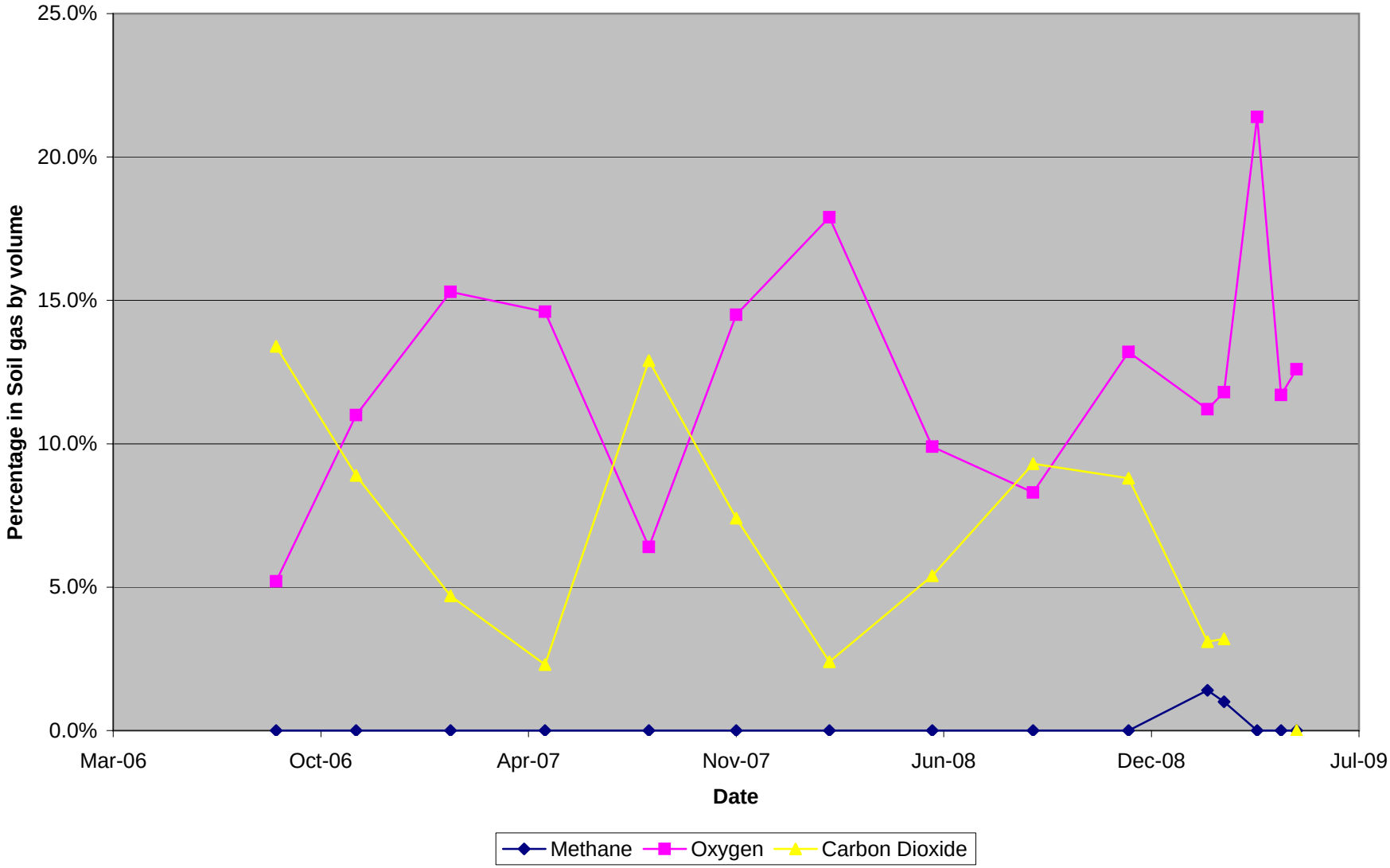
Soil Gas Well MPL-7 Fluctuations in Methane, Oxygen and Carbon Dioxide



Attachment D
Photographs

Areas of Poor Grass Cover Behind Middle School

Before Repair:

During / After Repair: