



March 5, 2008

081-12152-04

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, 50 Springfield Street,
Providence, RI – February 2008 Monitoring Round

Dear Mr. Crawford:

Quarterly monitoring for soil gas, indoor air and system monitoring was conducted between February 11 and 15, 2008. 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 Appendix 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 February 14, 2008 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. No areas of significant settling were observed. Puddles were present in some areas due to heavy rain the day before the inspection.

SUB-SLAB VENTILATION SYSTEM

The sub-slab ventilation system was inspected by LFR during the quarterly monitoring on February 14, 2008. The blower in the front shed at the middle school was found to be shut down because the knockout tank was full of water. All other blowers were operating normally.

Mr. Jeffrey Crawford of RIDEM was notified by phone on February 14, 2008 that the blower was not operating. The knockout tank was drained and the blower was restarted on February 14, 2008.

Influent and effluent air from the two blowers at the elementary school and the blower in the rear shed at the middle school was monitored. 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 GEM2000 Plus, and for volatile organic compounds (VOC) using a MiniRae 2000. Results are provided in Table 1.

Methane, hydrogen sulfide and carbon monoxide concentrations in the subslab ventilation system samples were all measured as zero during this monitoring event. Carbon dioxide readings at the elementary school ranged from 0.0 to 0.1 percent, and carbon dioxide readings at the middle school were 0.1 percent. Organic vapor concentrations ranged between 0.2 and 2.9 ppm.

INDOOR AIR MONITORING

Indoor air monitoring was conducted on February 13 and 14, 2008 using a Landtec Gem 2000 Plus landfill gas monitor (methane, carbon dioxide, oxygen, carbon monoxide and hydrogen sulfide), a Mini Rae photoionization detector (organic vapors), and a TSI Q-Trak (carbon dioxide). Both schools were occupied at the time of the monitoring. Results of monitoring are provided in the Table 2. Methane and hydrogen sulfide were not detected during the indoor air monitoring. Carbon monoxide was detected at one location at a concentration of 0.1 ppm. Organic vapors were measured at concentrations of 0.1 to 2.2 ppm. The highest reading was obtained in the Middle School cafeteria and appeared to be related to cleaning products being used. All PID readings were below action levels.

Carbon dioxide measurements were made with a TSI Q-Trak Indoor Air Quality meter which provides a lower detection limit than the Landtec Gem 200 plus which has been used to measure carbon dioxide concentrations in the past. The TSI Q-Trak has a range of 0 to 5,000 ppm, with a resolution of 1 ppm. The Landtec Gem 2000 Plus has a range of 0 to 100 percent, with a resolution of 0.1 percent (1000 ppm).

Carbon dioxide concentrations ranged from 433 to 968 ppm in the elementary school, and from 555 to 941 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 reading at the middle school was obtained in the front office. 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. The average of seven carbon dioxide readings collected outside at various locations near the Springfield Street schools was 353 ppm.



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 CO₂ concentration in a space of no greater than about 700 ppm above outdoor air levels will indicate that a substantial majority of visitors entering a space will be satisfied with respect to human bioeffluents (body odor)." This is the basis for ASHRAE's recommendations for concentrations of carbon dioxide in indoor air. The concentrations measured inside the site buildings were below these levels.

The control panels for the methane monitors at both schools were inspected on February 13 and 14, 2008. The methane monitor control panels had stickers that indicated the monitors were last calibrated by Diamond Technical Services personnel on January 8, 2008. According to correspondence from Diamond Calibration, the sensor at the middle school identified as GS03 was replaced in December.

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

Four of five groundwater monitoring wells were sampled by LFR on February 12, 2008. One monitoring well, ATC-2, was not able to be sampled because it was dry 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. Depth to groundwater ranged from 13.45 to 18.34 feet below the ground surface. 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.

The laboratory analysis of the four groundwater samples did not detect any target analytes.

SOIL GAS MONITORING

Soil gas monitoring was conducted at 29 locations on February 11, 2008. 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 BD XII air sampling pump. Soil gas was then screened using a Landtec Gem 2000 Plus Landfill Gas Analyzer & Extraction Monitor and a MiniRae Photoionization Detector (PID).

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

Soil Gas Field Monitoring Results

Soil gas samples were screened for methane, carbon monoxide, hydrogen sulfide, carbon dioxide, oxygen, and total VOCs. Soil gas survey results are provided in Table 4.

Methane and hydrogen sulfide were not detected in any of the soil gas wells during this round of sampling. Carbon monoxide was detected at concentrations below the action level in 7 wells.

Carbon dioxide was detected at 17 of 28 locations with detectable concentrations ranging from 0.1% to 5.6%. The carbon dioxide Remedial Action Work Plan Action Level is 0.1%, and 16 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 5.6%, compared with a maximum detected concentration in November of 2007 or 8.9%. The highest concentrations of carbon dioxide were again found in wells MPL-5 and MPL-6, located on the northern end of the property adjacent to the parking lot. Carbon dioxide concentrations are expected to be higher here due to the heat generated by the sun on the pavement, and the pavement acting as a barrier to exchange of soil gas with the atmosphere.

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. The number of exceedances and the maximum concentrations detected are both lower than those measured during the last round of monitoring.

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, carbon monoxide, 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.

Inspection of the cap did not reveal any evidence of exposure of the orange barrier or of breaches of the cap that would allow users of the Site to be exposed to the underlying capped soils.

This report is subject to the limitations contained in Attachment A.

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

Thomas L. Daley
Principal

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

FIGURE

TABLES

Table 1
System Monitoring Notes
Springfield Street School Complex
Providence, Rhode Island
February 14, 2008

Monitoring Location	Methane % by volume Landtec	Carbon Dioxide % by volume	Oxygen % by volume	Carbon Monoxide PPM	Hydrogen Sulfide PPM	Organic Vapors PPM
Elementary School inlet 1	0.0	0.1	20.8	0	0	1.9
Elementary School inlet 2	0.0	0.0	20.8	0	0	1.6
Elementary School Outlet	0.0	0.1	20.2	0	0	2.9
Middle School front shed inlet	Blower not operating on February 14, 2008 during monitoring					
Middle School front shed after 2 nd carbon						
Middle School back shed inlet	0.0	0.1	22.3	0	0	0.2
Middle School back shed after 2 nd carbon	0.0	0.1	21.9	0	0	0.2
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

Sampling date: February 14, 2008

Measured by: Donna Pallister

Table 2
Indoor Air Monitoring Results
Springfield Street School Complex
Providence, Rhode Island
February 14, 2008

Monitoring Location	Methane % by volume Landtec	Carbon Dioxide PPM	Oxygen % by volume	Carbon Monoxide PPM	Hydrogen Sulfide PPM	Organic Vapors PPM
E.S. Front office	0.0	803	22.1	0.0	0	0.4
E.S. Elevator	0.0	643	21.3	0.0	0	0.4
E.S. Faculty Work Room	0.0	700	21.8	0.0	0	0.5
E.S. Gym Storage Room	0.0	661	21.7	0.0	0	0.3
E.S. Room 209	0.0	747	21.1	0.0	0	0.1
E.S. Library	0.0	661	21.2	0.0	0	
E.S. Elect. Rm. in Mech.Rm.	0.0	433	21.5	0.0	0	0.2
E.S. Stairway Stair B	0.0	0.0%	21.0	0.0	0	0.2
E.S. Room 109	0.0	662	21.2	0.0	0	0.3
E.S. Cafeteria	0.0	968	21.1	0.0	0	0.2

Table 2
Indoor Air Monitoring Notes
Springfield Street School Complex
February 13 &14, 2008

Monitoring Location	Methane % by volume Landtec	Carbon Dioxide PPM	Oxygen % by volume	Carbon Monoxide PPM	Hydrogen Sulfide PPM	Organic Vapors PPM
M.S. Front Office	0.0	941	21.2	0.0	0	0.6
M.S. Elevator	0.0	781	21.3	0.0	0	0.6
M.S. Music Room (now an art room)	0.0	855	21.1	0.0	0	0.7
M.S. Stairway near Elem. School	0.0	730	21.2	0.0	0	0.4
M.S. Near sensor #16 in hall outside cafeteria	0.0	596	21.2	0.1	0	1.7
M.S. Near Sensor in cafeteria (GS-19)	0.0	722	21.3	0.0	0	2.2
M.S. Library	NA	802	21.1	0.0	0	0.2
M.S. GS-03	0.0	734	21.3	0.0	0	0.6

Table 2
Indoor Air Monitoring Notes
Springfield Street School Complex
February 13 &14, 2008

Monitoring Location	Methane % by volume Landtec	Carbon Dioxide PPM	Oxygen % by volume	Carbon Monoxide PPM	Hydrogen Sulfide PPM	Organic Vapors PPM
M.S. Faculty Workroom 1st Floor	0.0	555	21.2	0.0	0	0.4
M.S. Front Hall near sensor #4	0.0	657	21.1	0.0	0	0.4
M.S. Hallway at sensor #3	0.0	657	21.1	0.0	0	0.4
M.S. Hallway across from elevator near sensor #9	0.0	717	21.2	0.0	0	0.5
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:

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	
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	140	
	n-butylbenzene	1.7	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	140	
	Chlorobenzene	2.6	ND	57.3	2.7	5.18	ND	ND	ND	ND	ND	ND	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.80	1.90	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	1.2	1.1	ND	1.2	2.1	2.1	ND	NA		
	MTBE	ND	ND	ND	ND	ND	ND	ND	1.19	9.55	1.06	2.90	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	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		

*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
February 11, 2008

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	1.1	20.6	0.0	0	0.4
WB-2	0.0	0.0	21.4	0.0	0	1.5
WB-3	0.0	0.0	22.1	0.0	0	0.4
WB-4	0.0	0.0	22.1	0.0	0	0.4
WB-5	0.0	0.0	22.4	0.0	0	0.4
WB-6	0.0	0.0	22.2	0.0	0	0.6
WB-7	0.0	0.0	22.2	0.0	0	0.5
WB-8	0.0	0.0	22.0	0.0	0	0.6
WB-12	0.0	0.4	22.3	0.0	0	0.9
WB-13	0.0	0.5	21.4	0.0	0	0.9
WB-14	0.0	0.5	21.3	6.0	0	0.9
WB-15	0.0	0.4	21.2	7.0	0	0.9
EPL-1	0.0	0.0	22.3	0.0	0	0.2
EPL-2	0.0	0.0	21.8	0.0	0	0.3
EPL-3	0.0	0.2	21.2	0.0	0	0.3
EPL-4	0.0	0.7	20.5	0.0	0	0.3
EPL-5	0.0	2.4	18.6	0.0	0	0.5
ENE-1	0.0	0.0	22.4	0.0	0	1.1

Table 4
Soil Gas Survey Field Notes
Springfield Street School Complex
Providence, Rhode Island
February 11, 2008

MG1	0.0	2.6	19.7	3.0	0	1.2
MG2	0.0	0.8	21.6	0.0	0	1.1
MG3	0.0	1.0	21.2	5.0	0	1.1
MG4	0.0	0.6	21.8	5.0	0	1.1
MG5	0.0	0.7	21.6	6.0	0	1.1
MPL2	0.0	0.0	22.6	5.0	0	0.6
MPL3	0.0	0.0	21.8	0.0	0	0.4
MPL5	0.0	3.0	17.8	0.0	0	1.1
MPL6	0.0	5.4	7.0	0.0	0	1.6
MPL7	0.0	2.4	17.9	0.0	0	1.3
MPL8	0.0	0.1	22.3	0.0	0	1.2
Remedial Action Work Plan Action Levels	0.5%	1,000 PPM	NA	9 PPM	10 PPM	5 PPM

Sampled by: Chris Jamison

Weather Conditions: Windy, Overcast, Temperature 30 F

Sampling Equipment: Landtec GEM 2000 Plus, MiniRae 2000 PID

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						
		2/20/2007	5/17/2007	8/22/2007	11/14/2007	2/12/2008	2/20/2007	5/17/2007	8/22/2007	11/14/2007	2/12/2008	2/12/2008		
Benzene	1,000	ND	0.36	0.74	ND	ND	ND	0.29	ND	ND	ND	ND	ND	ND
Chloroethane	1,000,000	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND
Chloroform	50,000	ND	3.2	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	100,000	ND	0.24	0.36	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1,000,000	ND	ND	0.28	ND	ND	ND	0.5	0.57	0.66	0.57	0.66	0.57	0.57
1,4-Dichlorobenzene	75,000	ND	ND	0.54	ND	ND	ND	0.16	0.37	ND	ND	ND	ND	ND
1,1-Dichloroethane	100,000	ND	ND	0.28	ND	ND	ND	ND	29	ND	ND	ND	ND	ND
1,1-Dichloroethylene	None	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	200,000	ND	ND	ND	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND
Ethylbenzene	100,000	ND	0.75	0.7	2.3	0.65	ND	0.55	0.46	3.2	0.78	3.2	0.78	0.78
Methylene Chloride	100,000	ND	ND	0.84	3.5	2	ND	0.53	0.5	4.9	2.5	4.9	2.5	2.5
Styrene	100,000	ND	1.6	1.5	1.4	ND	ND	1	1.1	0.69	ND	1	0.69	ND
Tetrachloroethylene	100,000	ND	0.19	0.27	4.6	1.9	ND	0.16	0.81	3.2	2.7	0.16	0.81	3.2
Toluene	200,000	4.9	17	7.2	15	6.9	4.6	12	5.3	10	9.3	12	5.3	10
1,1,1-Trichloroethane	350,000	ND	ND	0.36	ND	ND	ND	ND	38	ND	1.3	ND	38	1.3
Trichloroethylene	100,000	ND	ND	0.25	0.53	1	ND	ND	4.6	ND	ND	ND	4.6	ND
Trichlorofluoromethane (Freon 11)	1,000,000	ND	ND	0.7	0.65	ND	ND	0.41	0.43	ND	ND	ND	0.43	ND
1,1,2-Trichloro-1,2,2,-Trifluoroethane	1,000,000	ND	ND	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	None	ND	0.12	ND	ND	ND	ND	ND	ND	0.57	ND	ND	ND	ND
1,2,4-Trimethylbenzene	None	ND	ND	0.44	1.6	1.3	ND	1	0.26	1.7	1.1	1	0.26	1.7
M/p-Xylene	100,000	1.4	3.1	2.4	5.3	2.2	1.2	2.5	1.8	10	2.6	2.5	1.8	10
o-Xylene	100,000	ND	0.61	0.68	1.8	0.69	ND	0.56	0.48	3.5	0.8	0.56	0.48	3.5

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

REPORT DATE 2/20/2008

LFR, INC. - RI
300 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886
ATTN: DONNA PALLISTER

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 5131

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-13464
JOB NUMBER: 081-12152-00

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

PROJECT LOCATION: SPRINGFIELD ST.

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
ATC-1	08B04676	GRND WATER	NOT SPECIFIED	8260 water
ATC-3	08B04677	GRND WATER	NOT SPECIFIED	8260 water
ATC-4	08B04678	GRND WATER	NOT SPECIFIED	8260 water
ATC-5	08B04679	GRND WATER	NOT SPECIFIED	8260 water
TRIP BLANK	08B04680	WATER OTHE	NOT SPECIFIED	8260 water

Comments :

LIMS BATCH NO. : LIMIT-13464

IN METHOD 8260, ANY REPORTED RESULTS FOR BROMOMETHANE, 1,4-DIOXANE, NAPHTHALENE, AND 1,2,3-TRICHLOROBENZENE ARE ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. #652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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

Sondra L. Slesinski 02/20/08
SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



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Purchase Order No.: 5131

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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample # : ATC-1

Sample ID : 08B04676 Sampled : 2/12/2008
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
Acetone	ug/l	ND	50.0		02/15/08	LBD
Acrylonitrile	ug/l	ND	5.0		02/15/08	LBD
tert-Amylmethyl Ether	ug/l	ND	0.5		02/15/08	LBD
Benzene	ug/l	ND	1.0		02/15/08	LBD
Bromobenzene	ug/l	ND	1.0		02/15/08	LBD
Bromochloromethane	ug/l	ND	1.0		02/15/08	LBD
Bromodichloromethane	ug/l	ND	1.0		02/15/08	LBD
Bromoform	ug/l	ND	1.0		02/15/08	LBD
Bromomethane	ug/l	ND	2.0		02/15/08	LBD
2-Butanone (MEK)	ug/l	ND	20.0		02/15/08	LBD
tert-Butyl Alcohol	ug/l	ND	20.0		02/15/08	LBD
n-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
sec-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
tert-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
tert-Butylethyl Ether	ug/l	ND	0.5		02/15/08	LBD
Carbon Disulfide	ug/l	ND	3.0		02/15/08	LBD
Carbon Tetrachloride	ug/l	ND	1.0		02/15/08	LBD
Chlorobenzene	ug/l	ND	1.0		02/15/08	LBD
Chlorodibromomethane	ug/l	ND	0.5		02/15/08	LBD
Chloroethane	ug/l	ND	2.0		02/15/08	LBD
Chloroform	ug/l	ND	2.0		02/15/08	LBD
Chloromethane	ug/l	ND	2.0		02/15/08	LBD
2-Chlorotoluene	ug/l	ND	1.0		02/15/08	LBD
4-Chlorotoluene	ug/l	ND	1.0		02/15/08	LBD
1,2-Dibromo-3-Chloropropane	ug/l	ND	5.0		02/15/08	LBD
1,2-Dibromoethane	ug/l	ND	0.50		02/15/08	LBD
Dibromomethane	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,3-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,4-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
trans-1,4-Dichloro-2-Butene	ug/l	ND	2.0		02/15/08	LBD
Dichlorodifluoromethane	ug/l	ND	2.0		02/15/08	LBD
1,1-Dichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD
cis-1,2-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample



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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample # : ATC-1

Sample ID : 08B04676 Sampled : 2/12/2008
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
trans-1,2-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichloropropane	ug/l	ND	1.0		02/15/08	LBD
1,3-Dichloropropane	ug/l	ND	0.5		02/15/08	LBD
2,2-Dichloropropane	ug/l	ND	1.0		02/15/08	LBD
1,1-Dichloropropene	ug/l	ND	2.0		02/15/08	LBD
cis-1,3-Dichloropropene	ug/l	ND	0.5		02/15/08	LBD
trans-1,3-Dichloropropene	ug/l	ND	0.5		02/15/08	LBD
Diethyl Ether	ug/l	ND	2.0		02/15/08	LBD
Diisopropyl Ether	ug/l	ND	0.5		02/15/08	LBD
1,4-Dioxane	ug/l	ND	50.0		02/15/08	LBD
Ethyl Benzene	ug/l	ND	1.0		02/15/08	LBD
Hexachlorobutadiene	ug/l	ND	1.0		02/15/08	LBD
2-Hexanone	ug/l	ND	10.0		02/15/08	LBD
Isopropylbenzene	ug/l	ND	1.0		02/15/08	LBD
p-Isopropyltoluene	ug/l	ND	1.0		02/15/08	LBD
MTBE	ug/l	ND	1.0		02/15/08	LBD
Methylene Chloride	ug/l	ND	5.0		02/15/08	LBD
MIBK	ug/l	ND	10.0		02/15/08	LBD
Naphthalene	ug/l	ND	2.0		02/15/08	LBD
n-Propylbenzene	ug/l	ND	1.0		02/15/08	LBD
Styrene	ug/l	ND	1.0		02/15/08	LBD
1,1,1,2-Tetrachloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1,2,2-Tetrachloroethane	ug/l	ND	0.5		02/15/08	LBD
Tetrachloroethylene	ug/l	ND	1.0		02/15/08	LBD
Tetrahydrofuran	ug/l	ND	10.0		02/15/08	LBD
Toluene	ug/l	ND	1.0		02/15/08	LBD
1,2,3-Trichlorobenzene	ug/l	ND	5.0		02/15/08	LBD
1,2,4-Trichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,1,1-Trichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1,2-Trichloroethane	ug/l	ND	1.0		02/15/08	LBD
Trichloroethylene	ug/l	ND	1.0		02/15/08	LBD
Trichlorofluoromethane	ug/l	ND	2.0		02/15/08	LBD
1,2,3-Trichloropropane	ug/l	ND	2.0		02/15/08	LBD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	5.0		02/15/08	LBD
1,2,4-Trimethylbenzene	ug/l	ND	1.0		02/15/08	LBD
1,3,5-Trimethylbenzene	ug/l	ND	1.0		02/15/08	LBD

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Purchase Order No.: 5131

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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample #: ATC-1

Sample ID: 08B04676
Sampled: 2/12/2008
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
Vinyl Chloride	ug/l	ND	2.0		02/15/08	LBD
m + p Xylene	ug/l	ND	2.0		02/15/08	LBD
o-Xylene	ug/l	ND	1.0		02/15/08	LBD

RL = Reporting Limit

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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample # : ATC-3

Sample ID : 08B04677 Sampled : 2/12/2008
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
Acetone	ug/l	ND	50.0		02/15/08	LBD
Acrylonitrile	ug/l	ND	5.0		02/15/08	LBD
tert-Amylmethyl Ether	ug/l	ND	0.5		02/15/08	LBD
Benzene	ug/l	ND	1.0		02/15/08	LBD
Bromobenzene	ug/l	ND	1.0		02/15/08	LBD
Bromochloromethane	ug/l	ND	1.0		02/15/08	LBD
Bromodichloromethane	ug/l	ND	1.0		02/15/08	LBD
Bromoform	ug/l	ND	1.0		02/15/08	LBD
Bromomethane	ug/l	ND	2.0		02/15/08	LBD
2-Butanone (MEK)	ug/l	ND	20.0		02/15/08	LBD
tert-Butyl Alcohol	ug/l	ND	20.0		02/15/08	LBD
n-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
sec-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
tert-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
tert-Butylethyl Ether	ug/l	ND	0.5		02/15/08	LBD
Carbon Disulfide	ug/l	ND	3.0		02/15/08	LBD
Carbon Tetrachloride	ug/l	ND	1.0		02/15/08	LBD
Chlorobenzene	ug/l	ND	1.0		02/15/08	LBD
Chlorodibromomethane	ug/l	ND	0.5		02/15/08	LBD
Chloroethane	ug/l	ND	2.0		02/15/08	LBD
Chloroform	ug/l	ND	2.0		02/15/08	LBD
Chloromethane	ug/l	ND	2.0		02/15/08	LBD
2-Chlorotoluene	ug/l	ND	1.0		02/15/08	LBD
4-Chlorotoluene	ug/l	ND	1.0		02/15/08	LBD
1,2-Dibromo-3-Chloropropane	ug/l	ND	5.0		02/15/08	LBD
1,2-Dibromoethane	ug/l	ND	0.50		02/15/08	LBD
Dibromomethane	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,3-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,4-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
trans-1,4-Dichloro-2-Butene	ug/l	ND	2.0		02/15/08	LBD
Dichlorodifluoromethane	ug/l	ND	2.0		02/15/08	LBD
1,1-Dichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD
cis-1,2-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD

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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample # : ATC-3

Sample ID : 08B04677 Sampled : 2/12/2008
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
trans-1,2-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichloropropane	ug/l	ND	1.0		02/15/08	LBD
1,3-Dichloropropane	ug/l	ND	0.5		02/15/08	LBD
2,2-Dichloropropane	ug/l	ND	1.0		02/15/08	LBD
1,1-Dichloropropene	ug/l	ND	2.0		02/15/08	LBD
cis-1,3-Dichloropropene	ug/l	ND	0.5		02/15/08	LBD
trans-1,3-Dichloropropene	ug/l	ND	0.5		02/15/08	LBD
Diethyl Ether	ug/l	ND	2.0		02/15/08	LBD
Diisopropyl Ether	ug/l	ND	0.5		02/15/08	LBD
1,4-Dioxane	ug/l	ND	50.0		02/15/08	LBD
Ethyl Benzene	ug/l	ND	1.0		02/15/08	LBD
Hexachlorobutadiene	ug/l	ND	1.0		02/15/08	LBD
2-Hexanone	ug/l	ND	10.0		02/15/08	LBD
Isopropylbenzene	ug/l	ND	1.0		02/15/08	LBD
p-Isopropyltoluene	ug/l	ND	1.0		02/15/08	LBD
MTBE	ug/l	ND	1.0		02/15/08	LBD
Methylene Chloride	ug/l	ND	5.0		02/15/08	LBD
MIBK	ug/l	ND	10.0		02/15/08	LBD
Naphthalene	ug/l	ND	2.0		02/15/08	LBD
n-Propylbenzene	ug/l	ND	1.0		02/15/08	LBD
Styrene	ug/l	ND	1.0		02/15/08	LBD
1,1,1,2-Tetrachloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1,2,2-Tetrachloroethane	ug/l	ND	0.5		02/15/08	LBD
Tetrachloroethylene	ug/l	ND	1.0		02/15/08	LBD
Tetrahydrofuran	ug/l	ND	10.0		02/15/08	LBD
Toluene	ug/l	ND	1.0		02/15/08	LBD
1,2,3-Trichlorobenzene	ug/l	ND	5.0		02/15/08	LBD
1,2,4-Trichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,1,1-Trichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1,2-Trichloroethane	ug/l	ND	1.0		02/15/08	LBD
Trichloroethylene	ug/l	ND	1.0		02/15/08	LBD
Trichlorofluoromethane	ug/l	ND	2.0		02/15/08	LBD
1,2,3-Trichloropropane	ug/l	ND	2.0		02/15/08	LBD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	5.0		02/15/08	LBD
1,2,4-Trimethylbenzene	ug/l	ND	1.0		02/15/08	LBD
1,3,5-Trimethylbenzene	ug/l	ND	1.0		02/15/08	LBD

RL = Reporting Limit

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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample #: ATC-3

Sample ID: 08B04677 Sampled: 2/12/2008
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
Vinyl Chloride	ug/l	ND	2.0		02/15/08	LBD
m + p Xylene	ug/l	ND	2.0		02/15/08	LBD
o-Xylene	ug/l	ND	1.0		02/15/08	LBD

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample



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Project Location: SPRINGFIELD ST.
 Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
 Job Number: 081-12152-00

Field Sample # : ATC-4

Sample ID : 08B04678 Sampled : 2/12/2008
 NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
Acetone	ug/l	ND	50.0		02/15/08	LBD
Acrylonitrile	ug/l	ND	5.0		02/15/08	LBD
tert-Amylmethyl Ether	ug/l	ND	0.5		02/15/08	LBD
Benzene	ug/l	ND	1.0		02/15/08	LBD
Bromobenzene	ug/l	ND	1.0		02/15/08	LBD
Bromochloromethane	ug/l	ND	1.0		02/15/08	LBD
Bromodichloromethane	ug/l	ND	1.0		02/15/08	LBD
Bromoform	ug/l	ND	1.0		02/15/08	LBD
Bromomethane	ug/l	ND	2.0		02/15/08	LBD
2-Butanone (MEK)	ug/l	ND	20.0		02/15/08	LBD
tert-Butyl Alcohol	ug/l	ND	20.0		02/15/08	LBD
n-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
sec-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
tert-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
tert-Butylethyl Ether	ug/l	ND	0.5		02/15/08	LBD
Carbon Disulfide	ug/l	ND	3.0		02/15/08	LBD
Carbon Tetrachloride	ug/l	ND	1.0		02/15/08	LBD
Chlorobenzene	ug/l	ND	1.0		02/15/08	LBD
Chlorodibromomethane	ug/l	ND	0.5		02/15/08	LBD
Chloroethane	ug/l	ND	2.0		02/15/08	LBD
Chloroform	ug/l	ND	2.0		02/15/08	LBD
Chloromethane	ug/l	ND	2.0		02/15/08	LBD
2-Chlorotoluene	ug/l	ND	1.0		02/15/08	LBD
4-Chlorotoluene	ug/l	ND	1.0		02/15/08	LBD
1,2-Dibromo-3-Chloropropane	ug/l	ND	5.0		02/15/08	LBD
1,2-Dibromoethane	ug/l	ND	0.50		02/15/08	LBD
Dibromomethane	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,3-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,4-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
trans-1,4-Dichloro-2-Butene	ug/l	ND	2.0		02/15/08	LBD
Dichlorodifluoromethane	ug/l	ND	2.0		02/15/08	LBD
1,1-Dichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD
cis-1,2-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample



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

DONNA PALLISTER
LFR, INC. - RI
300 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 5131

2/20/2008
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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample # : ATC-4

Sample ID : 08B04678 Sampled : 2/12/2008
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
trans-1,2-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichloropropane	ug/l	ND	1.0		02/15/08	LBD
1,3-Dichloropropane	ug/l	ND	0.5		02/15/08	LBD
2,2-Dichloropropane	ug/l	ND	1.0		02/15/08	LBD
1,1-Dichloropropene	ug/l	ND	2.0		02/15/08	LBD
cis-1,3-Dichloropropene	ug/l	ND	0.5		02/15/08	LBD
trans-1,3-Dichloropropene	ug/l	ND	0.5		02/15/08	LBD
Diethyl Ether	ug/l	ND	2.0		02/15/08	LBD
Diisopropyl Ether	ug/l	ND	0.5		02/15/08	LBD
1,4-Dioxane	ug/l	ND	50.0		02/15/08	LBD
Ethyl Benzene	ug/l	ND	1.0		02/15/08	LBD
Hexachlorobutadiene	ug/l	ND	1.0		02/15/08	LBD
2-Hexanone	ug/l	ND	10.0		02/15/08	LBD
Isopropylbenzene	ug/l	ND	1.0		02/15/08	LBD
p-Isopropyltoluene	ug/l	ND	1.0		02/15/08	LBD
MTBE	ug/l	ND	1.0		02/15/08	LBD
Methylene Chloride	ug/l	ND	5.0		02/15/08	LBD
MIBK	ug/l	ND	10.0		02/15/08	LBD
Naphthalene	ug/l	ND	2.0		02/15/08	LBD
n-Propylbenzene	ug/l	ND	1.0		02/15/08	LBD
Styrene	ug/l	ND	1.0		02/15/08	LBD
1,1,1,2-Tetrachloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1,2,2-Tetrachloroethane	ug/l	ND	0.5		02/15/08	LBD
Tetrachloroethylene	ug/l	ND	1.0		02/15/08	LBD
Tetrahydrofuran	ug/l	ND	10.0		02/15/08	LBD
Toluene	ug/l	ND	1.0		02/15/08	LBD
1,2,3-Trichlorobenzene	ug/l	ND	5.0		02/15/08	LBD
1,2,4-Trichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,1,1-Trichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1,2-Trichloroethane	ug/l	ND	1.0		02/15/08	LBD
Trichloroethylene	ug/l	ND	1.0		02/15/08	LBD
Trichlorofluoromethane	ug/l	ND	2.0		02/15/08	LBD
1,2,3-Trichloropropane	ug/l	ND	2.0		02/15/08	LBD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	5.0		02/15/08	LBD
1,2,4-Trimethylbenzene	ug/l	ND	1.0		02/15/08	LBD
1,3,5-Trimethylbenzene	ug/l	ND	1.0		02/15/08	LBD

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DONNA PALLISTER
LFR, INC. - RI
300 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 5131

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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample # : ATC-4

Sample ID : 08B04678 Sampled : 2/12/2008
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
Vinyl Chloride	ug/l	ND	2.0		02/15/08	LBD
m + p Xylene	ug/l	ND	2.0		02/15/08	LBD
o-Xylene	ug/l	ND	1.0		02/15/08	LBD

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WARWICK, RI 02886

Purchase Order No.: 5131

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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample # : ATC-5

Sample ID : 08B04679 Sampled : 2/12/2008
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
Acetone	ug/l	ND	50.0		02/15/08	LBD
Acrylonitrile	ug/l	ND	5.0		02/15/08	LBD
tert-Amylmethyl Ether	ug/l	ND	0.5		02/15/08	LBD
Benzene	ug/l	ND	1.0		02/15/08	LBD
Bromobenzene	ug/l	ND	1.0		02/15/08	LBD
Bromochloromethane	ug/l	ND	1.0		02/15/08	LBD
Bromodichloromethane	ug/l	ND	1.0		02/15/08	LBD
Bromoform	ug/l	ND	1.0		02/15/08	LBD
Bromomethane	ug/l	ND	2.0		02/15/08	LBD
2-Butanone (MEK)	ug/l	ND	20.0		02/15/08	LBD
tert-Butyl Alcohol	ug/l	ND	20.0		02/15/08	LBD
n-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
sec-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
tert-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
tert-Butylethyl Ether	ug/l	ND	0.5		02/15/08	LBD
Carbon Disulfide	ug/l	ND	3.0		02/15/08	LBD
Carbon Tetrachloride	ug/l	ND	1.0		02/15/08	LBD
Chlorobenzene	ug/l	ND	1.0		02/15/08	LBD
Chlorodibromomethane	ug/l	ND	0.5		02/15/08	LBD
Chloroethane	ug/l	ND	2.0		02/15/08	LBD
Chloroform	ug/l	ND	2.0		02/15/08	LBD
Chloromethane	ug/l	ND	2.0		02/15/08	LBD
2-Chlorotoluene	ug/l	ND	1.0		02/15/08	LBD
4-Chlorotoluene	ug/l	ND	1.0		02/15/08	LBD
1,2-Dibromo-3-Chloropropane	ug/l	ND	5.0		02/15/08	LBD
1,2-Dibromoethane	ug/l	ND	0.50		02/15/08	LBD
Dibromomethane	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,3-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,4-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
trans-1,4-Dichloro-2-Butene	ug/l	ND	2.0		02/15/08	LBD
Dichlorodifluoromethane	ug/l	ND	2.0		02/15/08	LBD
1,1-Dichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD
cis-1,2-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD

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DONNA PALLISTER
LFR, INC. - RI
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WARWICK, RI 02886

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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample # : ATC-5

Sample ID : 08B04679 Sampled : 2/12/2008
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
trans-1,2-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichloropropane	ug/l	ND	1.0		02/15/08	LBD
1,3-Dichloropropane	ug/l	ND	0.5		02/15/08	LBD
2,2-Dichloropropane	ug/l	ND	1.0		02/15/08	LBD
1,1-Dichloropropene	ug/l	ND	2.0		02/15/08	LBD
cis-1,3-Dichloropropene	ug/l	ND	0.5		02/15/08	LBD
trans-1,3-Dichloropropene	ug/l	ND	0.5		02/15/08	LBD
Diethyl Ether	ug/l	ND	2.0		02/15/08	LBD
Diisopropyl Ether	ug/l	ND	0.5		02/15/08	LBD
1,4-Dioxane	ug/l	ND	50.0		02/15/08	LBD
Ethyl Benzene	ug/l	ND	1.0		02/15/08	LBD
Hexachlorobutadiene	ug/l	ND	1.0		02/15/08	LBD
2-Hexanone	ug/l	ND	10.0		02/15/08	LBD
Isopropylbenzene	ug/l	ND	1.0		02/15/08	LBD
p-Isopropyltoluene	ug/l	ND	1.0		02/15/08	LBD
MTBE	ug/l	ND	1.0		02/15/08	LBD
Methylene Chloride	ug/l	ND	5.0		02/15/08	LBD
MIBK	ug/l	ND	10.0		02/15/08	LBD
Naphthalene	ug/l	ND	2.0		02/15/08	LBD
n-Propylbenzene	ug/l	ND	1.0		02/15/08	LBD
Styrene	ug/l	ND	1.0		02/15/08	LBD
1,1,1,2-Tetrachloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1,2,2-Tetrachloroethane	ug/l	ND	0.5		02/15/08	LBD
Tetrachloroethylene	ug/l	ND	1.0		02/15/08	LBD
Tetrahydrofuran	ug/l	ND	10.0		02/15/08	LBD
Toluene	ug/l	ND	1.0		02/15/08	LBD
1,2,3-Trichlorobenzene	ug/l	ND	5.0		02/15/08	LBD
1,2,4-Trichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,1,1-Trichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1,2-Trichloroethane	ug/l	ND	1.0		02/15/08	LBD
Trichloroethylene	ug/l	ND	1.0		02/15/08	LBD
Trichlorofluoromethane	ug/l	ND	2.0		02/15/08	LBD
1,2,3-Trichloropropane	ug/l	ND	2.0		02/15/08	LBD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	5.0		02/15/08	LBD
1,2,4-Trimethylbenzene	ug/l	ND	1.0		02/15/08	LBD
1,3,5-Trimethylbenzene	ug/l	ND	1.0		02/15/08	LBD

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DONNA PALLISTER
LFR, INC. - RI
300 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 5131

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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample # : ATC-5

Sample ID : 08B04679 Sampled : 2/12/2008
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
Vinyl Chloride	ug/l	ND	2.0		02/15/08	LBD
m + p Xylene	ug/l	ND	2.0		02/15/08	LBD
o-Xylene	ug/l	ND	1.0		02/15/08	LBD

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DONNA PALLISTER
 LFR, INC. - RI
 300 METRO CENTER BLVD., SUITE 250
 WARWICK, RI 02886

Purchase Order No.: 5131

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Project Location: SPRINGFIELD ST.
 Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
 Job Number: 081-12152-00

Field Sample # : TRIP BLANK

Sample ID : 08B04680 Sampled : 2/12/2008
 NOT SPECIFIED

Sample Matrix: WATER OTHER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
Acetone	ug/l	ND	50.0		02/15/08	LBD
Acrylonitrile	ug/l	ND	5.0		02/15/08	LBD
tert-Amylmethyl Ether	ug/l	ND	0.5		02/15/08	LBD
Benzene	ug/l	ND	1.0		02/15/08	LBD
Bromobenzene	ug/l	ND	1.0		02/15/08	LBD
Bromochloromethane	ug/l	ND	1.0		02/15/08	LBD
Bromodichloromethane	ug/l	ND	1.0		02/15/08	LBD
Bromoform	ug/l	ND	1.0		02/15/08	LBD
Bromomethane	ug/l	ND	2.0		02/15/08	LBD
2-Butanone (MEK)	ug/l	ND	20.0		02/15/08	LBD
tert-Butyl Alcohol	ug/l	ND	20.0		02/15/08	LBD
n-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
sec-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
tert-Butylbenzene	ug/l	ND	1.0		02/15/08	LBD
tert-Butylethyl Ether	ug/l	ND	0.5		02/15/08	LBD
Carbon Disulfide	ug/l	ND	3.0		02/15/08	LBD
Carbon Tetrachloride	ug/l	ND	1.0		02/15/08	LBD
Chlorobenzene	ug/l	ND	1.0		02/15/08	LBD
Chlorodibromomethane	ug/l	ND	0.5		02/15/08	LBD
Chloroethane	ug/l	ND	2.0		02/15/08	LBD
Chloroform	ug/l	ND	2.0		02/15/08	LBD
Chloromethane	ug/l	ND	2.0		02/15/08	LBD
2-Chlorotoluene	ug/l	ND	1.0		02/15/08	LBD
4-Chlorotoluene	ug/l	ND	1.0		02/15/08	LBD
1,2-Dibromo-3-Chloropropane	ug/l	ND	5.0		02/15/08	LBD
1,2-Dibromoethane	ug/l	ND	0.50		02/15/08	LBD
Dibromomethane	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,3-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,4-Dichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
trans-1,4-Dichloro-2-Butene	ug/l	ND	2.0		02/15/08	LBD
Dichlorodifluoromethane	ug/l	ND	2.0		02/15/08	LBD
1,1-Dichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD
cis-1,2-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD

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DONNA PALLISTER
LFR, INC. - RI
300 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 5131

2/20/2008
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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample # : TRIP BLANK

Sample ID : 08B04680 Sampled : 2/12/2008
NOT SPECIFIED

Sample Matrix: WATER OTHER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
trans-1,2-Dichloroethylene	ug/l	ND	1.0		02/15/08	LBD
1,2-Dichloropropane	ug/l	ND	1.0		02/15/08	LBD
1,3-Dichloropropane	ug/l	ND	0.5		02/15/08	LBD
2,2-Dichloropropane	ug/l	ND	1.0		02/15/08	LBD
1,1-Dichloropropene	ug/l	ND	2.0		02/15/08	LBD
cis-1,3-Dichloropropene	ug/l	ND	0.5		02/15/08	LBD
trans-1,3-Dichloropropene	ug/l	ND	0.5		02/15/08	LBD
Diethyl Ether	ug/l	ND	2.0		02/15/08	LBD
Diisopropyl Ether	ug/l	ND	0.5		02/15/08	LBD
1,4-Dioxane	ug/l	ND	50.0		02/15/08	LBD
Ethyl Benzene	ug/l	ND	1.0		02/15/08	LBD
Hexachlorobutadiene	ug/l	ND	1.0		02/15/08	LBD
2-Hexanone	ug/l	ND	10.0		02/15/08	LBD
Isopropylbenzene	ug/l	ND	1.0		02/15/08	LBD
p-Isopropyltoluene	ug/l	ND	1.0		02/15/08	LBD
MTBE	ug/l	ND	1.0		02/15/08	LBD
Methylene Chloride	ug/l	ND	5.0		02/15/08	LBD
MIBK	ug/l	ND	10.0		02/15/08	LBD
Naphthalene	ug/l	ND	2.0		02/15/08	LBD
n-Propylbenzene	ug/l	ND	1.0		02/15/08	LBD
Styrene	ug/l	ND	1.0		02/15/08	LBD
1,1,1,2-Tetrachloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1,2,2-Tetrachloroethane	ug/l	ND	0.5		02/15/08	LBD
Tetrachloroethylene	ug/l	ND	1.0		02/15/08	LBD
Tetrahydrofuran	ug/l	ND	10.0		02/15/08	LBD
Toluene	ug/l	ND	1.0		02/15/08	LBD
1,2,3-Trichlorobenzene	ug/l	ND	5.0		02/15/08	LBD
1,2,4-Trichlorobenzene	ug/l	ND	1.0		02/15/08	LBD
1,1,1-Trichloroethane	ug/l	ND	1.0		02/15/08	LBD
1,1,2-Trichloroethane	ug/l	ND	1.0		02/15/08	LBD
Trichloroethylene	ug/l	ND	1.0		02/15/08	LBD
Trichlorofluoromethane	ug/l	ND	2.0		02/15/08	LBD
1,2,3-Trichloropropane	ug/l	ND	2.0		02/15/08	LBD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	5.0		02/15/08	LBD
1,2,4-Trimethylbenzene	ug/l	ND	1.0		02/15/08	LBD
1,3,5-Trimethylbenzene	ug/l	ND	1.0		02/15/08	LBD

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DONNA PALLISTER
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WARWICK, RI 02886

Purchase Order No.: 5131

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Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

Field Sample # : TRIP BLANK

Sample ID : 08B04680 Sampled : 2/12/2008
NOT SPECIFIED

Sample Matrix: WATER OTHER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 water				SW846 8260		
Vinyl Chloride	ug/l	ND	2.0		02/15/08	LBD
m + p Xylene	ug/l	ND	2.0		02/15/08	LBD
o-Xylene	ug/l	ND	1.0		02/15/08	LBD

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Purchase Order No.: 5131

Project Location: SPRINGFIELD ST.
Date Received: 2/13/2008

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LIMS-BAT #: LIMIT-13464
Job Number: 081-12152-00

** END OF REPORT **

RL = Reporting Limit

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

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/20/2008

Lims Bat # : LIMIT-13464

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B04676	1,2-Dichloroethane-d4	Surrogate Recovery	103.6	%	70-130
	Toluene-d8	Surrogate Recovery	95.9	%	70-130
	Bromofluorobenzene	Surrogate Recovery	94.1	%	70-130
08B04677	1,2-Dichloroethane-d4	Surrogate Recovery	106.5	%	70-130
	Toluene-d8	Surrogate Recovery	96.8	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.5	%	70-130
08B04678	1,2-Dichloroethane-d4	Surrogate Recovery	107.0	%	70-130
	Toluene-d8	Surrogate Recovery	96.7	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.2	%	70-130
08B04679	1,2-Dichloroethane-d4	Surrogate Recovery	105.8	%	70-130
	Toluene-d8	Surrogate Recovery	97.2	%	70-130
	Bromofluorobenzene	Surrogate Recovery	95.2	%	70-130
08B04680	1,2-Dichloroethane-d4	Surrogate Recovery	102.8	%	70-130
	Toluene-d8	Surrogate Recovery	98.5	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.0	%	70-130
BLANK-113587	Acetone	Blank	<50.0	ug/l	
	Benzene	Blank	<1.0	ug/l	
	Carbon Tetrachloride	Blank	<1.0	ug/l	
	Chloroform	Blank	<2.0	ug/l	
	1,2-Dichloroethane	Blank	<1.0	ug/l	
	1,4-Dichlorobenzene	Blank	<1.0	ug/l	
	Ethyl Benzene	Blank	<1.0	ug/l	
	2-Butanone (MEK)	Blank	<20.0	ug/l	
	MIBK	Blank	<10.0	ug/l	
	Naphthalene	Blank	<2.0	ug/l	
	Styrene	Blank	<1.0	ug/l	
	Tetrachloroethylene	Blank	<1.0	ug/l	
	Toluene	Blank	<1.0	ug/l	
	1,1,1-Trichloroethane	Blank	<1.0	ug/l	
	Trichloroethylene	Blank	<1.0	ug/l	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<5.0	ug/l	
	Trichlorofluoromethane	Blank	<2.0	ug/l	
	o-Xylene	Blank	<1.0	ug/l	
	m + p Xylene	Blank	<2.0	ug/l	
	1,2-Dichlorobenzene	Blank	<1.0	ug/l	
	1,3-Dichlorobenzene	Blank	<1.0	ug/l	
	1,1-Dichloroethane	Blank	<1.0	ug/l	
	1,1-Dichloroethylene	Blank	<1.0	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-113587					
	1,4-Dioxane	Blank	<50.0	ug/l	
	MTBE	Blank	<1.0	ug/l	
	trans-1,2-Dichloroethylene	Blank	<1.0	ug/l	
	Vinyl Chloride	Blank	<2.0	ug/l	
	Methylene Chloride	Blank	<5.0	ug/l	
	Chlorobenzene	Blank	<1.0	ug/l	
	Chloromethane	Blank	<2.0	ug/l	
	Bromomethane	Blank	<2.0	ug/l	
	Chloroethane	Blank	<2.0	ug/l	
	cis-1,3-Dichloropropene	Blank	<0.5	ug/l	
	trans-1,3-Dichloropropene	Blank	<0.5	ug/l	
	Chlorodibromomethane	Blank	<0.5	ug/l	
	1,1,2-Trichloroethane	Blank	<1.0	ug/l	
	Bromoform	Blank	<1.0	ug/l	
	1,1,2,2-Tetrachloroethane	Blank	<0.5	ug/l	
	2-Chlorotoluene	Blank	<1.0	ug/l	
	Hexachlorobutadiene	Blank	<1.0	ug/l	
	Isopropylbenzene	Blank	<1.0	ug/l	
	p-Isopropyltoluene	Blank	<1.0	ug/l	
	n-Propylbenzene	Blank	<1.0	ug/l	
	sec-Butylbenzene	Blank	<1.0	ug/l	
	tert-Butylbenzene	Blank	<1.0	ug/l	
	1,2,3-Trichlorobenzene	Blank	<5.0	ug/l	
	1,2,4-Trichlorobenzene	Blank	<1.0	ug/l	
	1,2,4-Trimethylbenzene	Blank	<1.0	ug/l	
	1,3,5-Trimethylbenzene	Blank	<1.0	ug/l	
	Dibromomethane	Blank	<1.0	ug/l	
	cis-1,2-Dichloroethylene	Blank	<1.0	ug/l	
	4-Chlorotoluene	Blank	<1.0	ug/l	
	1,1-Dichloropropene	Blank	<2.0	ug/l	
	1,2-Dichloropropane	Blank	<1.0	ug/l	
	1,3-Dichloropropane	Blank	<0.5	ug/l	
	2,2-Dichloropropane	Blank	<1.0	ug/l	
	1,1,1,2-Tetrachloroethane	Blank	<1.0	ug/l	
	1,2,3-Trichloropropane	Blank	<2.0	ug/l	
	n-Butylbenzene	Blank	<1.0	ug/l	
	Dichlorodifluoromethane	Blank	<2.0	ug/l	
	Bromochloromethane	Blank	<1.0	ug/l	
	Bromobenzene	Blank	<1.0	ug/l	
	Acrylonitrile	Blank	<5.0	ug/l	
	Carbon Disulfide	Blank	<3.0	ug/l	
	2-Hexanone	Blank	<10.0	ug/l	
	trans-1,4-Dichloro-2-Butene	Blank	<2.0	ug/l	



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BLANK-113587	Diethyl Ether	Blank	<2.0	ug/l	
	Bromodichloromethane	Blank	<1.0	ug/l	
	1,2-Dibromo-3-Chloropropane	Blank	<5.0	ug/l	
	1,2-Dibromoethane	Blank	<0.50	ug/l	
	Tetrahydrofuran	Blank	<10.0	ug/l	
	tert-Butyl Alcohol	Blank	<20.0	ug/l	
	Diisopropyl Ether	Blank	<0.5	ug/l	
	tert-Butylethyl Ether	Blank	<0.5	ug/l	
	tert-Amylmethyl Ether	Blank	<0.5	ug/l	
LFBLANK-75048	Acetone	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	17.0	ug/l	
		Lab Fort Blk. % Rec.	170.8	%	70-160
	Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.5	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.9	%	70-130
	Chloroform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.5	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.9	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	
		Lab Fort Blk. % Rec.	113.0	%	70-130
	Ethyl Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.5	ug/l	
		Lab Fort Blk. % Rec.	115.6	%	70-130
	2-Butanone (MEK)	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	13.4	ug/l	
		Lab Fort Blk. % Rec.	134.3	%	40-160
	MIBK	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	13.7	ug/l	
		Lab Fort Blk. % Rec.	137.9	%	70-160
	Naphthalene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	5.9	ug/l	
		Lab Fort Blk. % Rec.	59.7	%	40-130
	Styrene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.2	ug/l	
		Lab Fort Blk. % Rec.	122.0	%	70-130



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LFBLANK-75048					
	Tetrachloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.1	%	70-160
	Toluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.2	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.4	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.1	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.4	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.2	ug/l	
		Lab Fort Blk. % Rec.	112.8	%	70-130
	o-Xylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.8	ug/l	
		Lab Fort Blk. % Rec.	118.3	%	70-130
	m + p Xylene	Lab Fort Blank Amt.	20.0	ug/l	
		Lab Fort Blk. Found	23.1	ug/l	
		Lab Fort Blk. % Rec.	115.7	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.5	ug/l	
		Lab Fort Blk. % Rec.	115.4	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.6	ug/l	
		Lab Fort Blk. % Rec.	116.6	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.5	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.7	%	70-130
	1,4-Dioxane	Lab Fort Blank Amt.	50.0	ug/l	
		Lab Fort Blk. Found	43.5	ug/l	
		Lab Fort Blk. % Rec.	87.0	%	40-130
	MTBE	Lab Fort Blank Amt.	20.0	ug/l	
		Lab Fort Blk. Found	20.4	ug/l	
		Lab Fort Blk. % Rec.	102.1	%	70-130
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-75048					
	trans-1,2-Dichloroethylene	Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.6	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.0	%	40-160
	Methylene Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.6	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.4	ug/l	
		Lab Fort Blk. % Rec.	114.7	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.2	ug/l	
		Lab Fort Blk. % Rec.	92.9	%	40-160
	Bromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	24.0	ug/l	
		Lab Fort Blk. % Rec.	240.9	%	40-160
	Chloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.0	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.4	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.4	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.8	ug/l	
		Lab Fort Blk. % Rec.	88.6	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.9	%	70-130
	Bromoform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.2	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	
		Lab Fort Blk. % Rec.	113.3	%	70-130
	2-Chlorotoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.9	ug/l	
		Lab Fort Blk. % Rec.	119.6	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.4	ug/l	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-75048	Hexachlorobutadiene	Lab Fort Blk. % Rec.	74.8	%	70-130
	Isopropylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.9	ug/l	
	p-Isopropyltoluene	Lab Fort Blk. % Rec.	119.8	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.4	ug/l	
	n-Propylbenzene	Lab Fort Blk. % Rec.	114.6	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.9	ug/l	
	sec-Butylbenzene	Lab Fort Blk. % Rec.	119.1	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.0	ug/l	
	tert-Butylbenzene	Lab Fort Blk. % Rec.	120.5	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	13.5	ug/l	
	1,2,3-Trichlorobenzene	Lab Fort Blk. % Rec.	135.1	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.1	ug/l	
	1,2,4-Trichlorobenzene	Lab Fort Blk. % Rec.	61.6	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.5	ug/l	
	1,2,4-Trimethylbenzene	Lab Fort Blk. % Rec.	75.2	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.1	ug/l	
	1,3,5-Trimethylbenzene	Lab Fort Blk. % Rec.	121.8	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.1	ug/l	
	Dibromomethane	Lab Fort Blk. % Rec.	121.1	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
	cis-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	94.0	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
	4-Chlorotoluene	Lab Fort Blk. % Rec.	99.4	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.0	ug/l	
	1,1-Dichloropropene	Lab Fort Blk. % Rec.	120.9	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
	1,2-Dichloropropane	Lab Fort Blk. % Rec.	99.8	%	70-130
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.7	%	70-130



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LFBLANK-75048	1,3-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.1	%	70-130
	2,2-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.8	%	40-130
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.7	%	70-130
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.2	%	70-130
	n-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.6	ug/l	
		Lab Fort Blk. % Rec.	116.1	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.9	%	40-160
	Bromochloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	
		Lab Fort Blk. % Rec.	103.2	%	70-130
	Bromobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.2	ug/l	
		Lab Fort Blk. % Rec.	112.3	%	70-130
	Acrylonitrile	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.7	ug/l	
		Lab Fort Blk. % Rec.	127.1	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.8	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.5	ug/l	
		Lab Fort Blk. % Rec.	125.8	%	70-160
	trans-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.2	%	70-130
	Diethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.0	%	70-130
	Bromodichloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.0	%	70-130
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	10.0	ug/l	



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LFBLANK-75048	1,2-Dibromo-3-Chloropropane	Lab Fort Blk. Found	8.9	ug/l		
		Lab Fort Blk. % Rec.	89.9	%	70-130	
	1,2-Dibromoethane	Lab Fort Blank Amt.	10.00	ug/l		
		Lab Fort Blk. Found	10.26	ug/l		
	Tetrahydrofuran	Lab Fort Blk. % Rec.	102.60	%	70-130	
		Lab Fort Blank Amt.	10.0	ug/l		
	tert-Butyl Alcohol	Lab Fort Blk. Found	9.2	ug/l		
		Lab Fort Blk. % Rec.	92.3	%	70-130	
		Lab Fort Blank Amt.	50.0	ug/l		
	Diisopropyl Ether	Lab Fort Blk. Found	48.9	ug/l		
		Lab Fort Blk. % Rec.	97.8	%	40-160	
		Lab Fort Blank Amt.	10.0	ug/l		
	tert-Butylethyl Ether	Lab Fort Blk. Found	9.2	ug/l		
		Lab Fort Blk. % Rec.	92.5	%	70-130	
		Lab Fort Blank Amt.	10.0	ug/l		
	tert-Amylmethyl Ether	Lab Fort Blk. Found	10.5	ug/l		
		Lab Fort Blk. % Rec.	105.0	%	70-160	
		Lab Fort Blank Amt.	10.0	ug/l		
			Lab Fort Blk. Found	10.8	ug/l	
			Lab Fort Blk. % Rec.	108.6	%	70-130



QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates BATCH QC: Lab fortified Blanks and Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/20/2008 Lims Bat #: LIMIT-13464 Page 10 of 10

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.

LIMITS Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.

Sample Amount Amount of analyte found in a sample.

Blank Method Blank that has been taken though all the steps of the analysis.

LFBLANK Laboratory Fortified Blank (a control sample)

STDADD Standard Added (a laboratory control sample)

Matrix Spk Amt Added Amount of analyte spiked into a sample
MS Amt Measured Amount of analyte found including amount that was spiked
Matrix Spike % Rec. % Recovery of spiked amount in sample.

Duplicate Value The result from the Duplicate analysis of the sample.
Duplicate RPD The Relative Percent Difference between two Duplicate Analyses.

Surrogate Recovery The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.

Sur. Recovery (ELCD) Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID) Surrogate Recovery on the Photoionization Detector.

Standard Measured Amount measured for a laboratory control sample
Standard Amt Added Known value for a laboratory control sample
Standard % Recovery % recovered for a laboratory control sample with a known value.

Lab Fort Blank Amt Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).

Lab Fort Bl. Av. Rec. Laboratory Fortified Blank Average Recovery

Duplicate Sample Amt Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured Matrix Spike Duplicate Amount Measured
MSD % Recovery Matrix Spike Duplicate % Recovery
MSD Range Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries



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

Company Name: LR LLC

Address: 300 WINDY CENTER BLVD

WARRICK CT 06096

Attention: DANA PALMER

Project Location: SPRINGFIELD ST

Sampled By: CHRIS WARRICK

Proposal Provided? (For Billing purposes) yes no

State Form Required? yes no

LIMIT-13404

Telephone: (401) 233-3887

Project # 01-2152-00

Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax # : _____

Email: dana.palmer@contestlabs.com
 Format: EXCEL PDF GIS KEY

OTHER _____

Field ID	Sample Description	Lab #	Date Sampled		Comp- osite	Grab	*Matrix Conc. Code Code	ANALYSIS REQUESTED	# of containers
			Start Date/Time	Stop Date/Time					
ATC-1		0410710	2/6/08	16:30	X	aw	U	9	
ATC-3		0410722	2/6/08	11:00	X	aw	U	4	
ATC-4		0410728	2/6/08	11:30	X	aw	U	4	
ATC-5		0410729	2/6/08	12:00	X	aw	U	4	
TRIP BLANK		041080							

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

Requisitioned by (signature) _____ Date/Time: _____

Received by (signature) _____ Date/Time: _____

Relinquished by (signature) _____ Date/Time: _____

Regen by (signature) _____ Date/Time: _____

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

Detection Limit Requirements
 Regulations? NT
 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

Client _____
 Comments: _____

ANALYSIS REQUESTED

** 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.



www.contestlabs.com

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

SAMPLE RECEIPT CHECKLIST

CLIENT NAME: LFR
RECEIVED BY: [Signature] DATE: 2/13/08

- 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. Were samples received in compliance with Temperature 0-6 degrees C? YES NO

Degrees by temp blank 5.0
 Degrees by temp gun _____

- 5. Are there any dissolved samples for the lab to filter? YES NO

Who was notified? _____ Date: _____ Time: _____

- 6. Are there any on hold samples? YES NO STORED WHERE: _____

- 7. Are there any short holding time samples and who was notified? _____ Date: _____ Time: _____

- 8. Location where samples are stored: _____

CONTAINERS SENT IN TO CON-TEST	# of container
1 liter amber	
500 ml amber	
250 ml amber (8oz. Amber)	
1 liter plastic	
500 ml plastic	
250 ml plastic	
40 ml vial—which kind—list below	9
Colisure bottle	
Dissolved oxygen bottle	
Flashpoint bottle	

CONTAINERS SENT TO CON-TEST	# of containers
Air Cassettes	
8 oz clear jar	
4 oz clear jar	
2 oz clear jar	
Plastic bag	
Encore	
Brass Sleeves	
Tubes	
Summa cans	
Other	

Laboratory comments:

of HCL Vial 9 # of Methanol vials _____ # of Sodium Bisulfate vials _____
 # of DI water(to be frozen) vials _____ Time and Date when frozen _____

Do all the samples have the correct pH levels? YES NO If no, please explain above



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

REPORT DATE 2/20/2008

LFR, INC. - RI
300 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886
ATTN: DONNA PALLISTER

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER: 081-12152-00

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-13469
JOB NUMBER: 081-12152-00

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

PROJECT LOCATION: SPRINGFIELD ST

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
MPL-6	08B04756	AIR	NOT SPECIFIED	to-14 ppbv
MPL-6	08B04756	AIR	NOT SPECIFIED	to-14 ug/m3
WB-2	08B04755	AIR	NOT SPECIFIED	to-14 ppbv
WB-2	08B04755	AIR	NOT SPECIFIED	to-14 ug/m3

Comments :

LIMS BATCH NO. : LIMT-13469

In method TO-14 sample(s) were taken in tedlar bags. Holding times and stability for samples taken in tedlar bags have not been determined.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. #652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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

Edward Denson 2/20/08

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



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DONNA PALLISTER
LFR, INC. - RI
300 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

2/20/2008
Page 1 of 9

Project Location: SPRINGFIELD ST
Date Received: 2/13/2008

Purchase Order No.:

Project Number: 081-12152-00
LIMS-BAT #: LIMIT-13469
Job Number: 081-12152-00

Field Sample #: MPL-6

Sample ID: 08B04756

Sampled: 2/12/2008
NOT SPECIFIED

Sample Matrix: AIR

Sample Medium: TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Benzene	PPBv	ND	02/14/08	TPH	0.50			
Bromomethane	PPBv	ND	02/14/08	TPH	0.50			
Carbon Tetrachloride	PPBv	ND	02/14/08	TPH	0.50			
Chlorobenzene	PPBv	ND	02/14/08	TPH	0.50			
Chloroethane	PPBv	ND	02/14/08	TPH	0.50			
Chloroform	PPBv	ND	02/14/08	TPH	0.50			
Chloromethane	PPBv	ND	02/14/08	TPH	0.50			
1,2-Dibromoethane	PPBv	ND	02/14/08	TPH	0.50			
1,2-Dichlorobenzene	PPBv	ND	02/14/08	TPH	0.50			
1,3-Dichlorobenzene	PPBv	ND	02/14/08	TPH	0.50			
1,4-Dichlorobenzene	PPBv	ND	02/14/08	TPH	0.50			
Dichlorodifluoromethane	PPBv	ND	02/14/08	TPH	0.50			
1,1-Dichloroethane	PPBv	ND	02/14/08	TPH	0.50			
1,2-Dichloroethane	PPBv	ND	02/14/08	TPH	0.50			
1,1-Dichloroethylene	PPBv	ND	02/14/08	TPH	0.50			
cis-1,2-Dichloroethylene	PPBv	ND	02/14/08	TPH	0.50			
1,2-Dichloropropane	PPBv	ND	02/14/08	TPH	0.50			
cis-1,3-Dichloropropene	PPBv	ND	02/14/08	TPH	0.50			
trans-1,3-Dichloropropene	PPBv	ND	02/14/08	TPH	0.50			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	02/14/08	TPH	0.50			
Ethylbenzene	PPBv	0.65	02/14/08	TPH	0.50			
Hexachlorobutadiene	PPBv	ND	02/14/08	TPH	0.50			
Methylene Chloride	PPBv	2.0	02/14/08	TPH	0.50			
Styrene	PPBv	ND	02/14/08	TPH	0.50			
1,1,2,2-Tetrachloroethane	PPBv	ND	02/14/08	TPH	0.50			
Tetrachloroethylene	PPBv	1.9	02/14/08	TPH	0.50			
Toluene	PPBv	6.9	02/14/08	TPH	0.50			
1,2,4-Trichlorobenzene	PPBv	ND	02/14/08	TPH	0.50			
1,1,1-Trichloroethane	PPBv	ND	02/14/08	TPH	0.50			
1,1,2-Trichloroethane	PPBv	ND	02/14/08	TPH	0.50			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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WARWICK, RI 02886

2/20/2008

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Project Location: SPRINGFIELD ST
Date Received: 2/13/2008

Purchase Order No.:

Project Number: 081-12152-00

LIMS-BAT #: LIMIT-13469

Job Number: 081-12152-00

Field Sample #: MPL-6

Sample ID: 08B04756

Sampled: 2/12/2008

NOT SPECIFIED

Sample Matrix: AIR

Sample Medium: TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Trichloroethylene	PPBv	1.0	02/14/08	TPH	0.50		
Trichlorofluoromethane (Freon 11)	PPBv	ND	02/14/08	TPH	0.50		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	02/14/08	TPH	0.50		
1,2,4-Trimethylbenzene	PPBv	1.3	02/14/08	TPH	0.50		
1,3,5-Trimethylbenzene	PPBv	ND	02/14/08	TPH	0.50		
Vinyl Chloride	PPBv	ND	02/14/08	TPH	0.50		
m/p-Xylene	PPBv	2.2	02/14/08	TPH	1.0		
o-Xylene	PPBv	0.69	02/14/08	TPH	0.50		

Analytical Method:

EPA TO-14A

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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2/20/2008
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Project Location: SPRINGFIELD ST
Date Received: 2/13/2008

Purchase Order No.:

Project Number: 081-12152-00
LIMS-BAT #: LIMIT-13469
Job Number: 081-12152-00

Field Sample #: WB-2

Sample ID: 08B04755

Sampled: 2/12/2008
NOT SPECIFIED

Sample Matrix: AIR

Sample Medium: TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Benzene	PPBv	ND	02/14/08	TPH	0.50			
Bromomethane	PPBv	ND	02/14/08	TPH	0.50			
Carbon Tetrachloride	PPBv	ND	02/14/08	TPH	0.50			
Chlorobenzene	PPBv	ND	02/14/08	TPH	0.50			
Chloroethane	PPBv	ND	02/14/08	TPH	0.50			
Chloroform	PPBv	ND	02/14/08	TPH	0.50			
Chloromethane	PPBv	ND	02/14/08	TPH	0.50			
1,2-Dibromoethane	PPBv	ND	02/14/08	TPH	0.50			
1,2-Dichlorobenzene	PPBv	ND	02/14/08	TPH	0.50			
1,3-Dichlorobenzene	PPBv	ND	02/14/08	TPH	0.50			
1,4-Dichlorobenzene	PPBv	ND	02/14/08	TPH	0.50			
Dichlorodifluoromethane	PPBv	0.57	02/14/08	TPH	0.50			
1,1-Dichloroethane	PPBv	ND	02/14/08	TPH	0.50			
1,2-Dichloroethane	PPBv	ND	02/14/08	TPH	0.50			
1,1-Dichloroethylene	PPBv	ND	02/14/08	TPH	0.50			
cis-1,2-Dichloroethylene	PPBv	ND	02/14/08	TPH	0.50			
1,2-Dichloropropane	PPBv	ND	02/14/08	TPH	0.50			
cis-1,3-Dichloropropene	PPBv	ND	02/14/08	TPH	0.50			
trans-1,3-Dichloropropene	PPBv	ND	02/14/08	TPH	0.50			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	02/14/08	TPH	0.50			
Ethylbenzene	PPBv	0.78	02/14/08	TPH	0.50			
Hexachlorobutadiene	PPBv	ND	02/14/08	TPH	0.50			
Methylene Chloride	PPBv	2.5	02/14/08	TPH	0.50			
Styrene	PPBv	ND	02/14/08	TPH	0.50			
1,1,2,2-Tetrachloroethane	PPBv	ND	02/14/08	TPH	0.50			
Tetrachloroethylene	PPBv	2.7	02/14/08	TPH	0.50			
Toluene	PPBv	9.3	02/14/08	TPH	0.50			
1,2,4-Trichlorobenzene	PPBv	ND	02/14/08	TPH	0.50			
1,1,1-Trichloroethane	PPBv	ND	02/14/08	TPH	0.50			
1,1,2-Trichloroethane	PPBv	ND	02/14/08	TPH	0.50			

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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WARWICK, RI 02886

2/20/2008

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Project Location: SPRINGFIELD ST
Date Received: 2/13/2008

Purchase Order No.:

Project Number: 081-12152-00

LIMS-BAT #: LIMIT-13469

Job Number: 081-12152-00

Field Sample #: WB-2

Sample ID: 08B04755

Sampled: 2/12/2008

NOT SPECIFIED

Sample Matrix: AIR

Sample Medium: TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Trichloroethylene	PPBv	1.3	02/14/08	TPH	0.50		
Trichlorofluoromethane (Freon 11)	PPBv	ND	02/14/08	TPH	0.50		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	02/14/08	TPH	0.50		
1,2,4-Trimethylbenzene	PPBv	1.1	02/14/08	TPH	0.50		
1,3,5-Trimethylbenzene	PPBv	ND	02/14/08	TPH	0.50		
Vinyl Chloride	PPBv	ND	02/14/08	TPH	0.50		
m/p-Xylene	PPBv	2.6	02/14/08	TPH	1.0		
o-Xylene	PPBv	0.80	02/14/08	TPH	0.50		

Analytical Method:

EPA TO-14A

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

DONNA PALLISTER
 LFR, INC. - RI
 300 METRO CENTER BLVD., SUITE 250
 WARWICK, RI 02886

2/20/2008
 Page 5 of 9

Project Location: SPRINGFIELD ST
 Date Received: 2/13/2008

Purchase Order No.:

Project Number: 081-12152-00
 LIMS-BAT #: LIMIT-13469
 Job Number: 081-12152-00

Field Sample #: MPL-6

Sample ID: 08B04756

Sampled: 2/12/2008
 NOT SPECIFIED

Sample Matrix: AIR

Sample Medium: TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Benzene	ug/m3	ND	02/14/08	TPH	1.6			
Bromomethane	ug/m3	ND	02/14/08	TPH	2.0			
Carbon Tetrachloride	ug/m3	ND	02/14/08	TPH	3.2			
Chlorobenzene	ug/m3	ND	02/14/08	TPH	2.3			
Chloroethane	ug/m3	ND	02/14/08	TPH	1.4			
Chloroform	ug/m3	ND	02/14/08	TPH	2.5			
Chloromethane	ug/m3	ND	02/14/08	TPH	1.1			
1,2-Dibromoethane	ug/m3	ND	02/14/08	TPH	3.8			
1,2-Dichlorobenzene	ug/m3	ND	02/14/08	TPH	3.0			
1,3-Dichlorobenzene	ug/m3	ND	02/14/08	TPH	3.0			
1,4-Dichlorobenzene	ug/m3	ND	02/14/08	TPH	3.0			
Dichlorodifluoromethane	ug/m3	ND	02/14/08	TPH	2.5			
1,1-Dichloroethane	ug/m3	ND	02/14/08	TPH	2.1			
1,2-Dichloroethane	ug/m3	ND	02/14/08	TPH	2.0			
1,1-Dichloroethylene	ug/m3	ND	02/14/08	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	ND	02/14/08	TPH	2.0			
1,2-Dichloropropane	ug/m3	ND	02/14/08	TPH	2.3			
cis-1,3-Dichloropropene	ug/m3	ND	02/14/08	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	02/14/08	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	02/14/08	TPH	3.5			
Ethylbenzene	ug/m3	2.8	02/14/08	TPH	2.2			
Hexachlorobutadiene	ug/m3	ND	02/14/08	TPH	5.4			
Methylene Chloride	ug/m3	7.1	02/14/08	TPH	1.8			
Styrene	ug/m3	ND	02/14/08	TPH	2.2			
1,1,2,2-Tetrachloroethane	ug/m3	ND	02/14/08	TPH	3.4			
Tetrachloroethylene	ug/m3	13	02/14/08	TPH	3.4			
Toluene	ug/m3	26	02/14/08	TPH	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	02/14/08	TPH	3.7			
1,1,1-Trichloroethane	ug/m3	ND	02/14/08	TPH	2.7			
1,1,2-Trichloroethane	ug/m3	ND	02/14/08	TPH	2.7			

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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DONNA PALLISTER
LFR, INC. - RI
300 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

2/20/2008

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Project Location: SPRINGFIELD ST
Date Received: 2/13/2008

Purchase Order No.:

Project Number: 081-12152-00

LIMS-BAT #: LIMIT-13469

Job Number: 081-12152-00

Field Sample #: MPL-6

Sample ID: 08B04756

Sampled: 2/12/2008

NOT SPECIFIED

Sample Matrix: AIR

Sample Medium: TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Trichloroethylene	ug/m3	5.4	02/14/08	TPH	2.7		
Trichlorofluoromethane	ug/m3	ND	02/14/08	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	02/14/08	TPH	3.8		
1,2,4-Trimethylbenzene	ug/m3	6.6	02/14/08	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	02/14/08	TPH	2.5		
Vinyl Chloride	ug/m3	ND	02/14/08	TPH	1.3		
m/p-Xylene	ug/m3	9.6	02/14/08	TPH	4.4		
o-Xylene	ug/m3	3.0	02/14/08	TPH	2.2		

Analytical Method:

EPA TO-14A

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

DONNA PALLISTER
 LFR, INC. - RI
 300 METRO CENTER BLVD., SUITE 250
 WARWICK, RI 02886

2/20/2008
 Page 7 of 9

Project Location: SPRINGFIELD ST
 Date Received: 2/13/2008

Purchase Order No.:

Project Number: 081-12152-00
 LIMS-BAT #: LIMIT-13469
 Job Number: 081-12152-00

Field Sample #: **WB-2**

Sample ID: **08B04755**

Sampled: 2/12/2008
 NOT SPECIFIED

Sample Matrix: AIR

Sample Medium : TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Benzene	ug/m3	ND	02/14/08	TPH	1.6			
Bromomethane	ug/m3	ND	02/14/08	TPH	2.0			
Carbon Tetrachloride	ug/m3	ND	02/14/08	TPH	3.2			
Chlorobenzene	ug/m3	ND	02/14/08	TPH	2.3			
Chloroethane	ug/m3	ND	02/14/08	TPH	1.4			
Chloroform	ug/m3	ND	02/14/08	TPH	2.5			
Chloromethane	ug/m3	ND	02/14/08	TPH	1.1			
1,2-Dibromoethane	ug/m3	ND	02/14/08	TPH	3.8			
1,2-Dichlorobenzene	ug/m3	ND	02/14/08	TPH	3.0			
1,3-Dichlorobenzene	ug/m3	ND	02/14/08	TPH	3.0			
1,4-Dichlorobenzene	ug/m3	ND	02/14/08	TPH	3.0			
Dichlorodifluoromethane	ug/m3	2.8	02/14/08	TPH	2.5			
1,1-Dichloroethane	ug/m3	ND	02/14/08	TPH	2.1			
1,2-Dichloroethane	ug/m3	ND	02/14/08	TPH	2.0			
1,1-Dichloroethylene	ug/m3	ND	02/14/08	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	ND	02/14/08	TPH	2.0			
1,2-Dichloropropane	ug/m3	ND	02/14/08	TPH	2.3			
cis-1,3-Dichloropropene	ug/m3	ND	02/14/08	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	02/14/08	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	02/14/08	TPH	3.5			
Ethylbenzene	ug/m3	3.4	02/14/08	TPH	2.2			
Hexachlorobutadiene	ug/m3	ND	02/14/08	TPH	5.4			
Methylene Chloride	ug/m3	8.6	02/14/08	TPH	1.8			
Styrene	ug/m3	ND	02/14/08	TPH	2.2			
1,1,2,2-Tetrachloroethane	ug/m3	ND	02/14/08	TPH	3.4			
Tetrachloroethylene	ug/m3	18	02/14/08	TPH	3.4			
Toluene	ug/m3	35	02/14/08	TPH	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	02/14/08	TPH	3.7			
1,1,1-Trichloroethane	ug/m3	ND	02/14/08	TPH	2.7			
1,1,2-Trichloroethane	ug/m3	ND	02/14/08	TPH	2.7			

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DONNA PALLISTER
LFR, INC. - RI
300 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

2/20/2008

Page 8 of 9

Project Location: SPRINGFIELD ST
Date Received: 2/13/2008

Purchase Order No.:

Project Number: 081-12152-00

LIMS-BAT #: LIMIT-13469

Job Number: 081-12152-00

Field Sample #: WB-2

Sample ID: 08B04755

Sampled: 2/12/2008

NOT SPECIFIED

Sample Matrix: AIR

Sample Medium: TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Trichloroethylene	ug/m3	6.8	02/14/08	TPH	2.7		
Trichlorofluoromethane	ug/m3	ND	02/14/08	TPH	2.8		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	02/14/08	TPH	3.8		
1,2,4-Trimethylbenzene	ug/m3	5.3	02/14/08	TPH	2.5		
1,3,5-Trimethylbenzene	ug/m3	ND	02/14/08	TPH	2.5		
Vinyl Chloride	ug/m3	ND	02/14/08	TPH	1.3		
m/p-Xylene	ug/m3	11	02/14/08	TPH	4.4		
o-Xylene	ug/m3	3.5	02/14/08	TPH	2.2		

Analytical Method:

EPA TO-14A

SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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DONNA PALLISTER
LFR, INC. - RI
300 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Project Location: SPRINGFIELD ST
Date Received: 2/13/2008

Purchase Order No.:

** END OF REPORT **

2/20/2008

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Project Number: 081-12152-00

LIMS-BAT #: LIMIT-13469

Job Number: 081-12152-00

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/20/2008

Lims Bat # : LIMIT-13469

Page 1 of 2

QC Batch Number: BATCH-13843

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B04755	4-Bromofluorobenzene	Surrogate Recovery	110.25	%	70-130
08B04756	4-Bromofluorobenzene	Surrogate Recovery	113.50	%	70-130
BLANK-113539	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.2	ug/m3	
	Chloroform	Blank	<2.5	ug/m3	
	1,2-Dichloroethane	Blank	<2.0	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.0	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Styrene	Blank	<2.2	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.7	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.8	ug/m3	
	Trichlorofluoromethane	Blank	<2.8	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.4	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,1-Dichloroethane	Blank	<2.1	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.8	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.1	ug/m3	
	Bromomethane	Blank	<2.0	ug/m3	
	Chloroethane	Blank	<1.4	ug/m3	
	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.7	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.4	ug/m3	
	Hexachlorobutadiene	Blank	<5.4	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.7	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.3	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	1,2-Dibromoethane	Blank	<3.8	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	



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

SAMPLE RECEIPT CHECKLIST

CLIENT NAME: LFR
RECEIVED BY: Kan DATE: 02/13/08

- 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. Were samples received in compliance with Temperature 0-6 degrees C? **YES** NO

Degrees by temp blank NA
Degrees by temp gun NA

- 5. Are there any dissolved samples for the lab to filter? YES **NO**

Who was notified? _____ Date: _____ Time: _____

- 6. Are there any on hold samples? YES **NO** STORED WHERE: _____

- 7. Are there any short holding time samples and who was notified? _____ Date: _____ Time: _____

- 8. Location where samples are stored: ASH

CONTAINERS SENT IN TO CON-TEST	# of container
1 liter amber	
500 ml amber	
250 ml amber (8oz. Amber)	
1 liter plastic	
500 ml plastic	
250 ml plastic	
40 ml vial—which kind—list below	
Colisure bottle	
Dissolved oxygen bottle	
Flashpoint bottle	

CONTAINERS SENT TO CON-TEST	# of containers
Air Cassettes	
8 oz clear jar	
4 oz clear jar	
2 oz clear jar	
Plastic bag	2
Encore	
Brass Sleeves	
Tubes	
Summa cans	
Other	

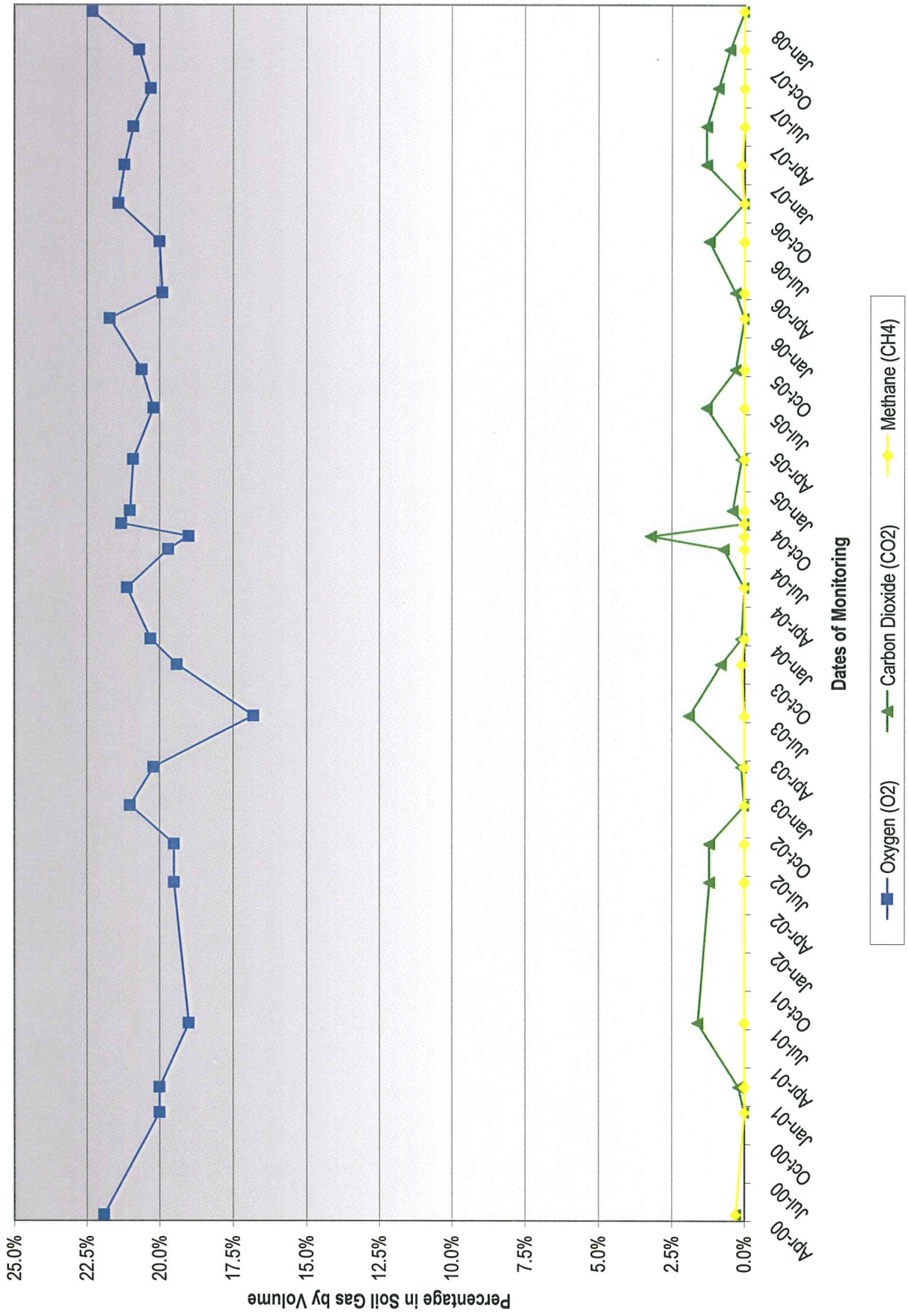
Laboratory comments:

of HCL Vial _____ # of Methanol vials _____ # of Sodium Bisulfate vials _____
of DI water(to be frozen) vials _____ Time and Date when frozen _____

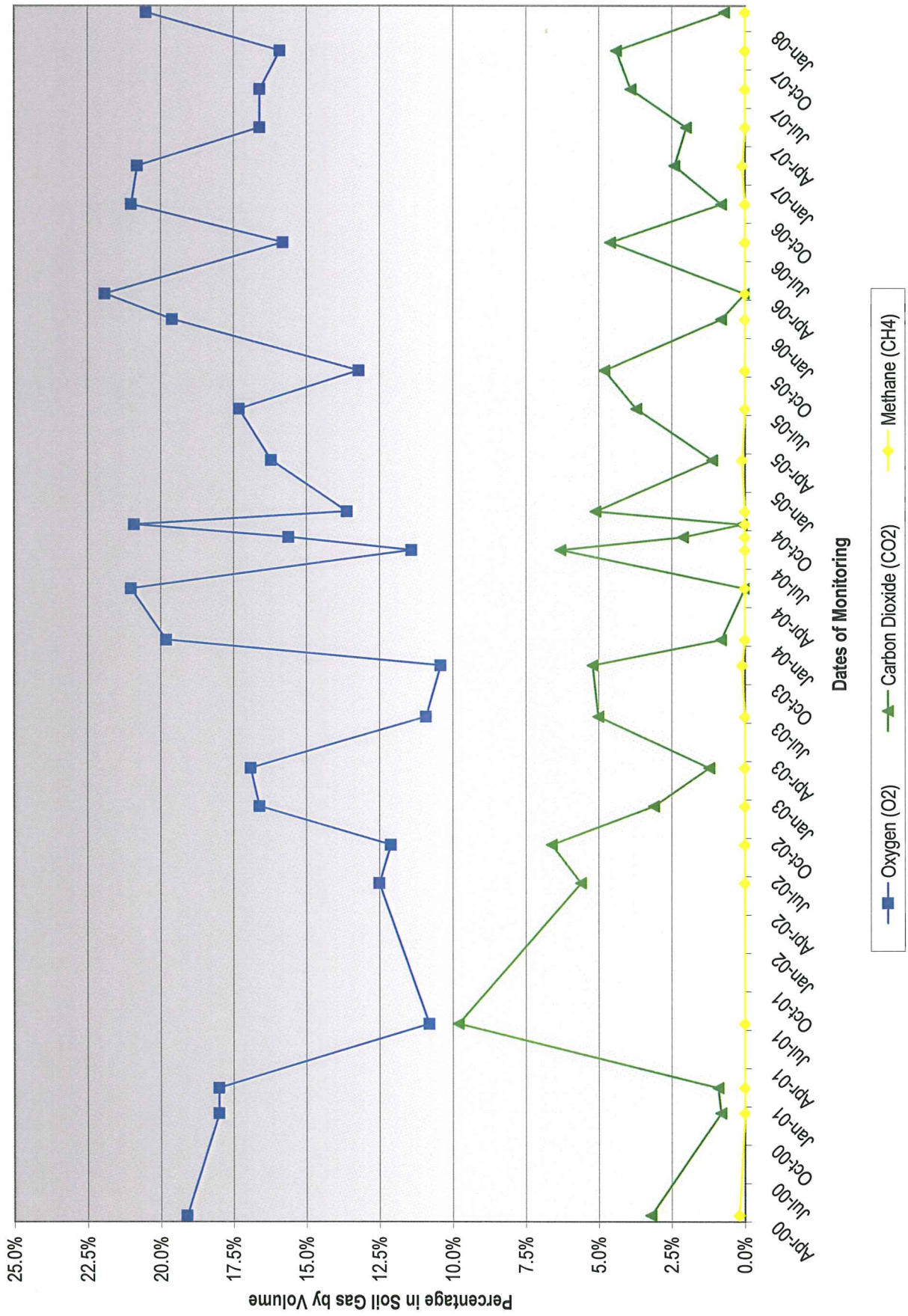
Do all the samples have the correct pH levels? YES NO If no, please explain above

Attachment C
Soil Gas Graphs

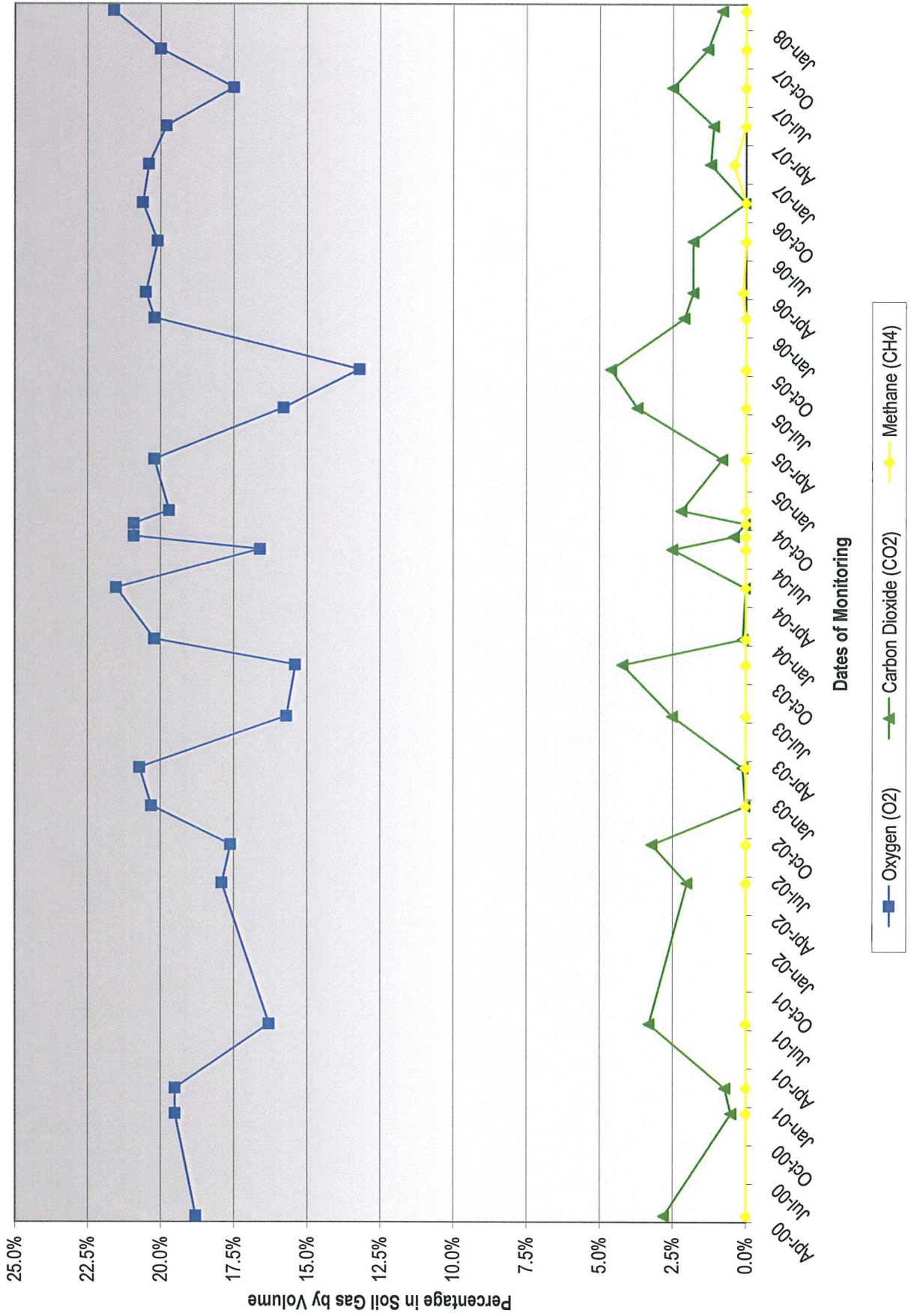
Soil Gas Well EPL1
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



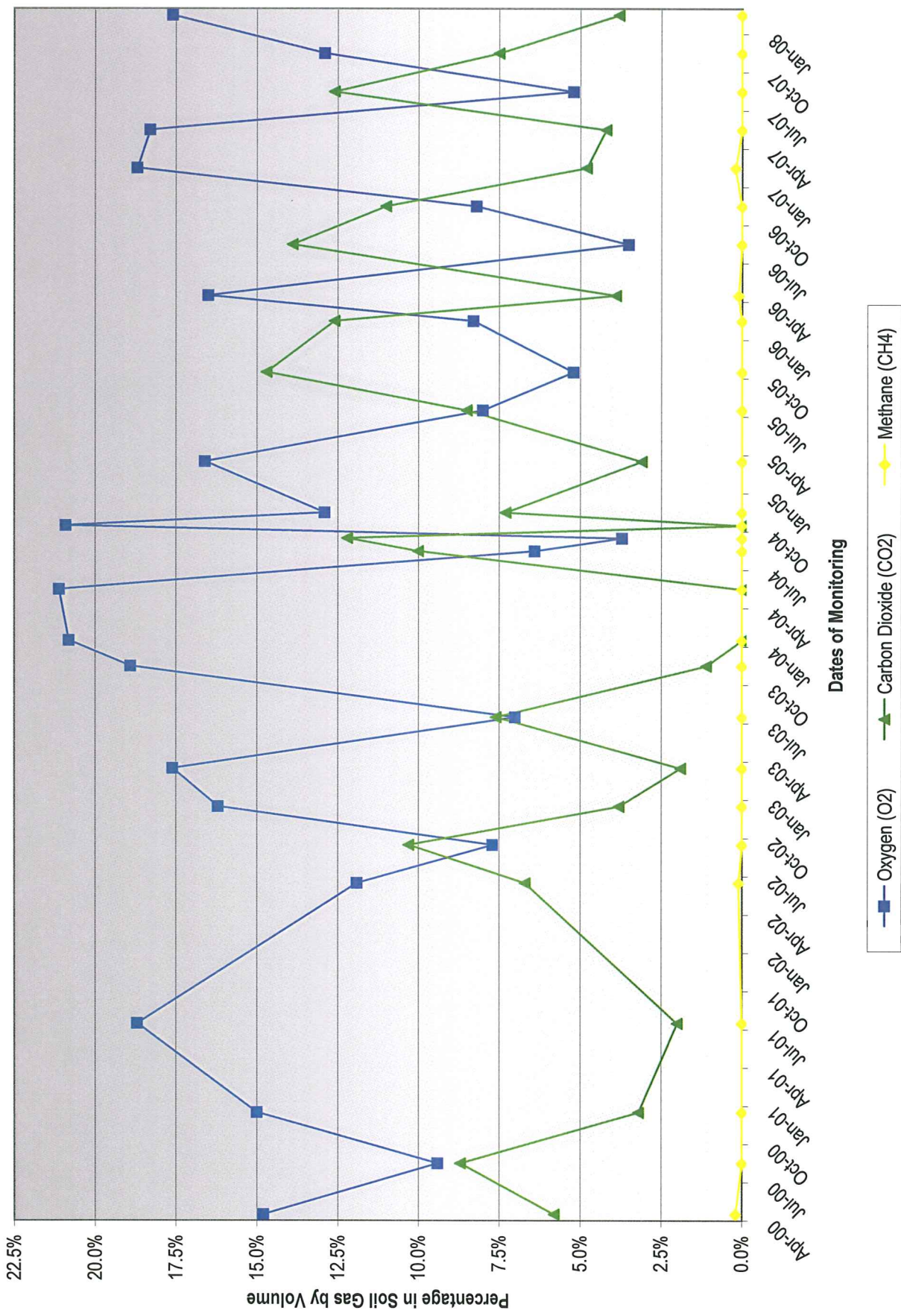
Soil Gas Well EPL4
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



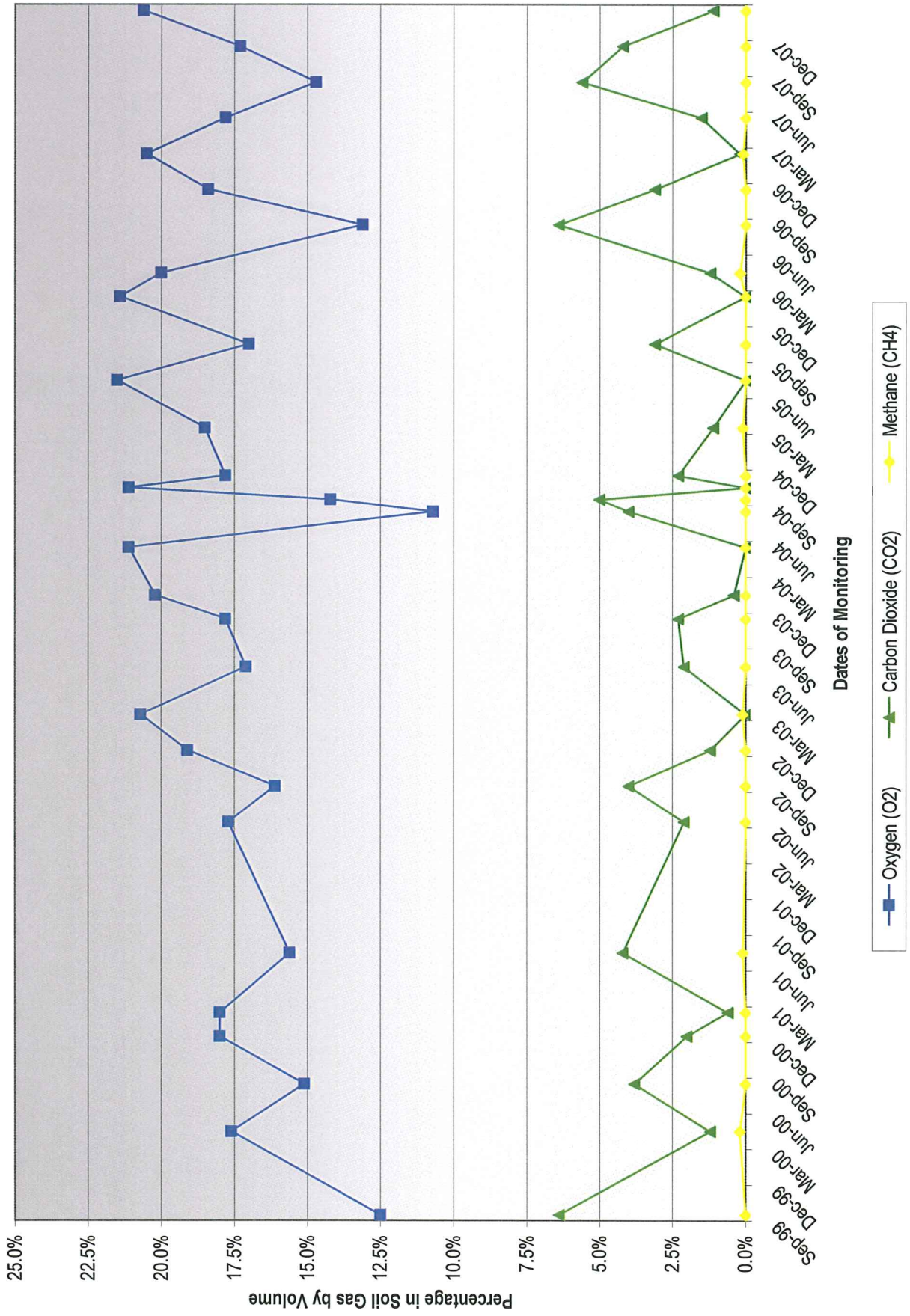
Soil Gas Well MG2
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



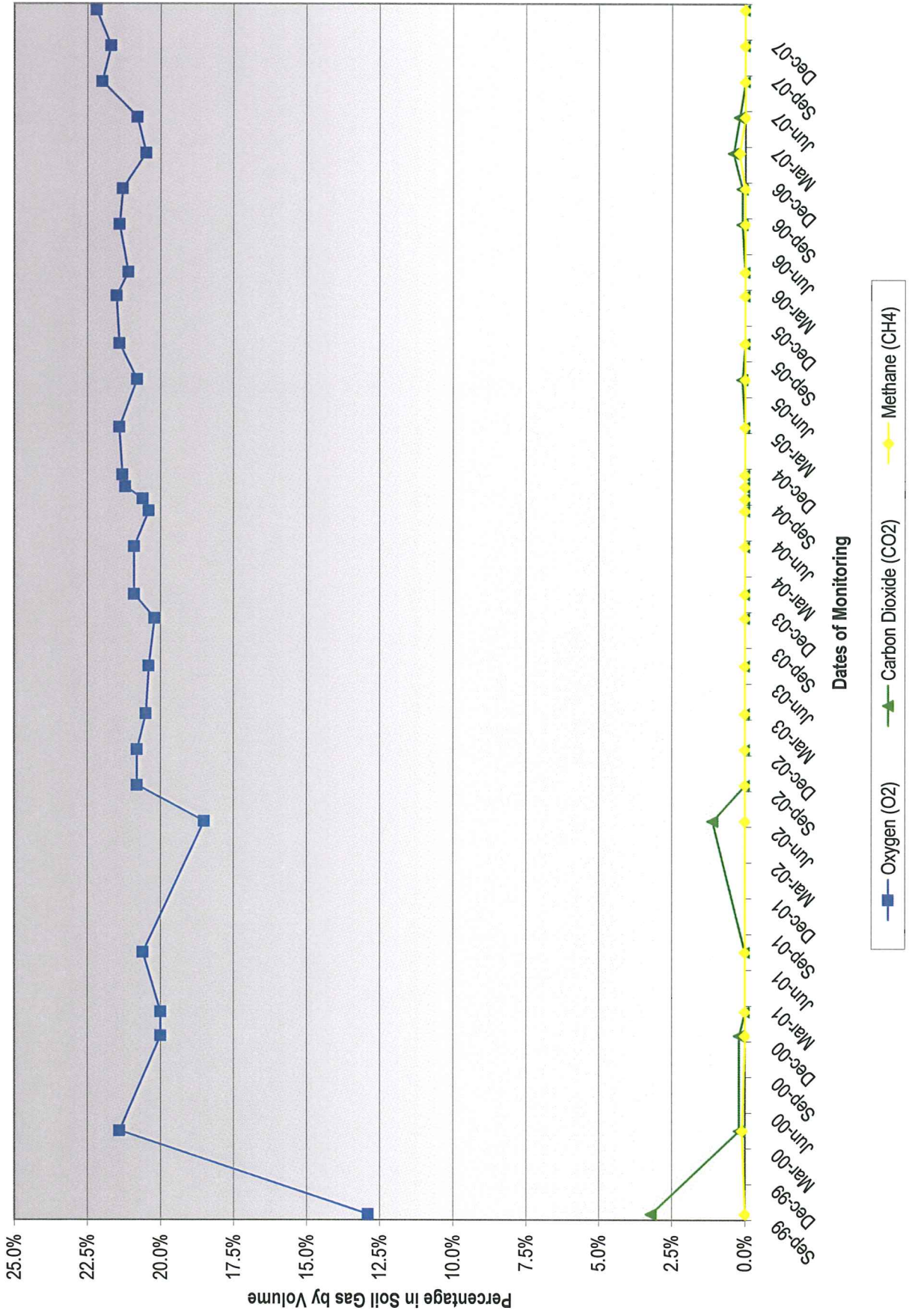
Soil Gas Well MPL5
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



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



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



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

