

**QUARTERLY MONITORING REPORT
Springfield Street School Complex
Providence, Rhode Island**

**Project No. 081-12152-02
July 2005 Monitoring Round**

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

Prepared by
LFR Levine·Fricke
300 Metro Center Boulevard
Suite 250
Warwick, RI 02886



August 16, 2005

081-12152-02

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 – July 2005 Monitoring Round

Dear Mr. Crawford:

Quarterly monitoring was conducted between July 25 and August 1, 2005 at the above referenced site. 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.

Results of monitoring are provided in the following sections and in the attachments.

SOIL COVER MONITORING

LFR conducted a visual survey of the site 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, or any areas of significant soil cover erosion.

REPAIRS

During this monitoring event, the guard pipe for soil gas monitoring well WB-12 was observed to be damaged. The guard pipe has been replaced with a new guard pipe. The water tight plug in groundwater monitoring well ATC-5 was also replaced during this round.

SUB-SLAB VENTILATION SYSTEM

The sub-slab ventilation system was inspected by LFR during the quarterly monitoring on July 29 & August 1, 2005. The system was operating upon arrival for the monitoring events.

Influent and effluent air from the two blowers at the elementary school and the two blowers at the middle school was monitored. Samples of influent and effluent gas were collected at each location and screened for methane, carbon dioxide, carbon monoxide, hydrogen sulfide, and volatile organic compounds (VOC). Results are provided in Table 1.

Methane, carbon monoxide, and hydrogen sulfide concentrations in the subslab ventilation system samples were below the Action Levels during this monitoring event. Carbon dioxide concentrations ranged between 0.4 to 0.5% at the elementary school and 0.0 to 0.1% at the middle school. PID readings at the elementary school ranged from 2.5 to 5.0 ppm. PID readings at the middle school ranged from 0.0 to 9.2 ppm. The PID readings rose slowly then stabilized as air was extracted from a Tedlar bag, and the maximum reading was recorded. The slow rise was similar to the reaction the PID sometimes has to moisture in a sample. No odors or unusual conditions were observed.

The PID is a non-specific instrument that responds to many different compounds. Compounds which can be detected by the PID include aromatics, ketones, aldehydes, amines, amides, chlorinated hydrocarbons, sulfur compounds, unsaturated hydrocarbons, alcohols, saturated hydrocarbons, ammonia, hydrogen sulfide, nitric oxide, bromine, and iodine. Under some circumstances elevated readings can also be caused by water vapor. Many of these compounds have very low odor thresholds, which would be noticed during the monitoring if they were present.

INDOOR AIR MONITORING

Indoor air monitoring was conducted on using a Landtec Gem 2000 landfill gas monitor, a hnu photoionization detector (PID), and a Mini Rae photoionization detector. Results of monitoring are provided in the Table 2. No parameters were detected at concentrations above the action levels specified in the Remedial Action Work Plan during the indoor air monitoring.

The methane monitors at the middle school were being calibrated by Diamond Calibration personnel on July 12, 2005 when the monitoring was being performed. All of the sensors were functioning at the time of our inspection.

GROUNDWATER MONITORING

Five groundwater monitoring wells were sampled by LFR on July 27, 2005. 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. Temperature, specific conductance, dissolved oxygen, and pH were measured in the field prior to sampling. Depth to groundwater ranged between 12.49 and 18.32 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. Groundwater sampling logs are provided as Attachment 1, and the laboratory report is

provided as Attachment 2. Results of analysis of groundwater samples are summarized in Table 3.

No target analytes were detected in samples from wells ATC-1, ATC-2, ATC-3, ATC-4 or ATC-5.

SOIL GAS MONITORING

Soil gas monitoring was conducted at 29 locations on July 25, 27, & 28, 2005. 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 an SKC Airchek Sampling pump. Soil gas was then screened using a Landtec Gem 2000 Landfill Gas Analyzer and a MiniRae Photoionization Detector.

Air samples were also collected in new laboratory supplied Tedlar bags using the SKC Airchek Pump from wells WB-2 and MPL-2. 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 readings were 0% methane (non-detect) at all locations during the monitoring event.

All PID readings for total VOCs were zero. Carbon monoxide was detected at 24 locations with detectable concentrations ranging from 0 ppm to 5 ppm. The carbon monoxide Action Level is 9 ppm. All measurements for hydrogen sulfide were 0 ppm.

Carbon dioxide was detected at 23 locations with detectable concentrations ranging from 0.1% to 8.5% during the July 25, 27 & 28, 2005 monitoring events. The carbon dioxide Action Level is 0.1%, and 21 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 3.

Soil Gas Laboratory Results

In accordance with the O&M Plan, two soil gas samples were collected 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 4. Several compounds were detected at low concentrations. The results 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 6 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

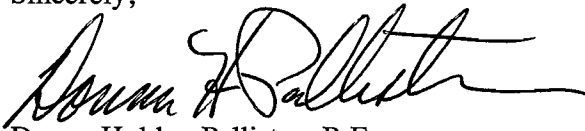
Methane, carbon monoxide and hydrogen sulfide concentrations did not exceed action levels in any soil gas samples, in indoor air or subslab ventilation system samples. Carbon dioxide concentrations in soil gas exceeded the action level at some locations.

Monitoring at the inlet and outlet of the sub-slab ventilation system detected PID readings slightly above the Action Level (maximum of 9.2 compared to Action Level of 5.0 ppm) at the middle school. No odors or other indicators of the presence of unusual conditions were detected. Elevated PID readings were not detected in the Site buildings or in the soil gas monitoring wells. In response to the PID reading above the Action Level, the subslab ventilation system inlet and outlet air streams will be monitored via the PID on a monthly basis during the next quarter.

The carbon in all six 2,000 pound carbon vessels was replaced with new carbon during the March 2005 quarter.

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

Sincerely,



Donna Holden Pallister, P.E.
Senior Engineer

Cc: A. Sepe, City of Providence
R. Troiano, PPBA
J. Boffa, Providence School Department
S. Tremblay, Providence School Department

TABLES

Table 1
System Monitoring Notes
Springfield Street School Complex
Providence, Rhode Island
July 29, 2005

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	0.5	20.8	2	0	3.5
Elementary School inlet 2	0	0.4	21.0	0	0	2.5
Elementary School Outlet	0	0.5	20.8	0	0	5.0
Middle school front shed inlet	0	0.1	21.2	0	0	8.2
Middle school front shed after 2 nd carbon	0	0.1	21.2	0	0	8.0
Middle school back shed inlet	0	0.0	21.4	0	0	0.0
Middle school back shed after 2 nd carbon	0	0.0	21.3	0	0	9.2
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, Hnu PI-101 PID, and MiniRae 2000 PID

MiniRae PID was used at the Middle School; Hnu was used at the Elementary School

Sampling date: July 29, 2005, Elementary School
August 1, 2005, Middle School

Measured by: D. Pallister

Table 2
Indoor Air Monitoring Results
Springfield Street School Complex
Providence, Rhode Island
July 29 & August 1, 2005

Monitoring Location	Methane % by volume Landtec	Carbon Dioxide % by volume	Oxygen % by volume	Carbon Monoxide PPM	Hydrogen Sulfide PPM	Organic Vapors PPM
E.S. Front office	0	0.1	21.4	0	0	0
E.S. Elevator Room	0	0.1	21.2	0	0	0
E.S. Electrical closet in Mech. Room	0	0.1	21.2	0	0	0
E.S. Gym storage closet	0	0.0	21.4	0	0	0
E.S. Handicapped Bathroom	0	0.0	21.5	0	0	0
E.S. Library	0	0.1	21.2	0	0	0
E.S. Room 211	0	0.0	21.5	0	0	0
E.S. Stairway Stair B	0	0.1	21.2	0	0	0
E.S. Cafeteria	0	0.0	21.3	0	0	0
M.S. Front Office	0	0.1	21.0	0	0	0
M.S. Stairwell Hartford Ave.	0	0.0	21.5	0	0	0

Table 2
Indoor Air Monitoring Notes
Springfield Street School Complex
July 29 & August 1, 2005

Monitoring Location	Methane % by volume Landtec	Carbon Dioxide % by volume	Oxygen % by volume	Carbon Monoxide PPM	Hydrogen Sulfide PPM	Organic Vapors PPM
M.S. stairway toward E.S.	0	0.0	21.0	3	0	0
M.S. Crack near door to outside near gym	0	0.1	21.2	1	0	0
M.S. Former Music Room	0	0.1	21.5	0	0	0
M.S. Aud. Rear	0	0.0	21.2	0	0	0
M.S. Room 103	0	0.0	21.2	0	0	0
M.S. Faculty Workroom	0	0.0	21.5	0	0	0
M.S. Elevator	0.0	0.0	21.6	0	0	0
M.S. Elevator Closet	0.0	0.0	21.6	0	0	0
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: Landtec Gem 2000, Hnu PI-101 PID, Mini Rae PID

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

Monitoring Wells	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
ATC-1																
	6.1	ND	18.9	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140
	1.7	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	1.1	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	4.5	ND	12.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1600
	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	ND	ND	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	12.4	7.0	28.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5000
	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.27	ND	ND	ND	1.10	ND	540
	2.5	ND	8.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1700
	2.2	ND	8.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	3.4	ND	5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	14.6	ND	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
ATC-2																
	0.9	ND	ND	1.0	ND	ND	ND	ND	ND	NS	1.1	1.0	ND	ND	ND	NA
ATC-3																
	ND	ND	ND	ND	NS	ND	ND	ND	ND	3.03	ND	ND	ND	ND	ND	1700
ATC-4																
	ND	ND	2.5	0.6	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND	140
	2.6	ND	57.3	2.7	5.18	ND	ND	ND	ND	ND	ND	ND	0.60	ND	ND	70
	4.2	ND	9.2	3.4	3.36	ND	ND	ND	ND	ND	0.80	1.6	2.1	ND	ND	NA
	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.19	2.90	0.6	ND	ND	ND	5000
	ND	ND	1.7	ND	ND	ND	ND	ND	ND	9.55	1.06	ND	ND	ND	ND	NA
ATC-5																
	ND	ND	2.2	NS	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	5000
	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	0.6	ND	ND	ND	NA
Sampled By:	ATC	ATC	ATC	ATC	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 exists

MTBE is Methyl tert-Butyl Ether

µg/L = micrograms per liter

Table 4
Soil Gas Survey Results
Springfield Street School Complex
Providence, Rhode Island
July 25 & 27, 2005

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	5.4	13.9	3	0	0
WB-2	0.0	0.9	20.1	0	0	0
WB-3	0.0	0.0	21.5	1	0	0
WB-4	0.0	0.0	21.5	1	0	0
WB-5	0.0	0.0	21.5	1	0	0
WB-6	0.0	0.2	21.3	0	0	0
WB-7	0.0	0.1	20.8	2	0	0
WB-8	0.0	0.3	20.5	2	0	0
WB-12	0.0	1.8	19.4	3	0	0
WB-13	0.0	2.7	17.1	5	0	0
WB-14	0.0	2.1	16.0	2	0	0
WB-15	0.0	3.1	13.2	2	0	0
EPL-1	0.0	1.3	20.2	1	0	0
EPL-2	0.0	3.5	17.6	2	0	0
EPL-3	0.0	6.4	13.8	0	0	0
EPL-4	0.0	3.7	17.3	0	0	0
EPL-5	0.0	7.8	9.9	1	0	0
ENE-1	0.0	0.4	21.1	1	0	0
MG1	0.0	3.1	13.7	5	0	0
MG2	0.0	3.7	15.8	2	0	0
MG3	0.0	3.6	14.5	1	0	0
MG4	0.0	0.8	18.7	2	0	0
MG5	0.0	0.0	21.6	3	0	0
MPL2	0.0	0.0	21.5	5	0	0
MPL3	0.0	6.2	10.4	4	0	0

Monitoring Well	Methane % by volume	Carbon Dioxide % by volume	Oxygen % by volume	Carbon Monoxide PPM	Hydrogen Sulfide PPM	Organic Vapors PPM
MPL5	0.0	8.5	8.0	5	0	0
MPL6	0.0	0.1	21.1	3	0	0
MPL7	0.0	0.0	21.7	0	0	0
MPL8	0.0	6.6	9.5	5	0	0
Remedial Action Work Plan Action Levels	0.5%	1,000 PPM (0.1%)	NA	9 PPM	10 PPM	5 PPM

Notes:

Sampled by: A. Lang, J. Augenstern

Weather Conditions: overcast / ~90° F

Sampling Equipment: GEM 2000 Gas Analyzer & Extraction Monitor, MiniRae PID Meter

PPM = parts per million

Table 5
Soil Gas Laboratory Analysis Results
Springfield Street School Complex
July 28, 2005

Parameter	OSHA PELs (PPBv)	Results of Analysis in parts per billion by volume (PPBv)	
		MPL-2	WB-2
1,2,4-Trimethylbenzene	25,000*	0.8	<0.5
1,4-Dichlorobenzene	75,000	0.9	<0.5
Chloromethane	100,000	0.6	<0.5
Dichlorodifluoromethane	1,000,000	0.6	<0.5
Methylene Chloride	100,000	1.4	<0.5
Styrene	100,000	0.5	<0.5
Toluene	200,000	1.3	<0.5
M/p-Xylene	100,000	0.6	<0.5

Table lists only detected compounds. See laboratory report for full list of analytes.

Occupational Safety and Health Administration (OSHA) PELs = Permissible Exposure Limits from NIOSH Pocket Guide to Chemical Hazards

*No OSHA PEL established for this chemical; number given is NIOSH standard.

Attachment 1

Groundwater Monitoring Logs



Well Number: ATC-1

Site Name: Springfield Street

Project Number: 081-12152-01

Site Address: Springfield St., Providence

GROUNDWATER SAMPLING LOG

Sampled By: Janelle Augenstern	Date: 7-27-05
Weather: 90, overcast	Purging Equipment: dedicated poly bailer
Sampling Equipment: dedicated poly bailer	Decontamination method: Alconox & DI
Measuring Point (top of PVC/ top of casing): Top of PVC	Depth to water: (feet) 14.33
Casing diameter: 2 (inches)	Flush mount or riser: Flush mount
Depth to Product: (feet)	Product thickness: (feet)
Depth to bottom: 20.77 (feet)	Length of Water Column (depth to bottom - depth to water): 6.46 (feet)
Well measuring point elevation: (feet)	Water table elevation: (feet)
Well volume: 3.98 (liters)	Three well volumes: (1.85 x length of water column for 2 inch well): (liters) 11.95 (liters)

FIELD MEASUREMENT DATA

Volume Removed (liters)	Temperature (°C)	Specific Conductance (mS/cm)	pH (standard units)	DO (mg/L)
10	19.7	1049	6.87	0.96
11	18.0	1034	6.52	1.21
12	17.5	1054	6.41	1.28

Total volume Removed: 13

OBSERVATIONS:

Color of groundwater: clear Odors: sulfur/petroleum Did well go dry: no

Notes:



Well Number: ATC-2

Site Name: Springfield Street

Project Number: 081-12152-01

Site Address: Springfield St., Providence

GROUNDWATER SAMPLING LOG

Sampled By: Janelle Augenstern	Date: 7-27-05
Weather: 90, overcast	Purging Equipment: dedicated poly bailer
Sampling Equipment: dedicated poly bailer	Decontamination method: Alconox & DI
Measuring Point (top of PVC/ top of casing): Top of PVC	Depth to water: (feet) 13.42
Casing diameter: 2 (inches)	Flush mount or riser: Flush mount
Depth to Product: (feet)	Product thickness: (feet)
Depth to bottom: 18.66 (feet)	Length of Water Column (depth to bottom - depth to water): 5.24 (feet)
Well measuring point elevation: (feet)	Water table elevation: (feet)
Well volume: 3.23 (liters)	Three well volumes: (1.85 x length of water column for 2 inch well): (liters) 9.69 (liters)

FIELD MEASUREMENT DATA

Volume Removed (liters)	Temperature (°C)	Specific Conductance (mS/cm)	pH (standard units)	DO (mg/L)
8	18.3	1137	6.93	5.41
9	16.7	604	6.92	6.03
10	16.5	1268	6.84	5.87

Total volume Removed: 11

OBSERVATIONS:

Color of groundwater: lt. yellow Odors: none Did well go dry: no

Notes:



Well Number: ATC-3

Site Name: Springfield Street

Project Number: 081-12152-01

Site Address: Springfield St., Providence

GROUNDWATER SAMPLING LOG

Sampled By: Janelle Augenstern	Date: 7-27-05
Weather: 90, overcast	Purging Equipment: dedicated poly bailer
Sampling Equipment: dedicated poly bailer	Decontamination method: Alconox & DI
Measuring Point (top of PVC/ top of casing): Top of PVC	Depth to water: 12.49 (feet)
Casing diameter: 2 (inches)	Flush mount or riser: Flush mount
Depth to Product: (feet)	Product thickness: (feet)
Depth to bottom: 16.01 (feet)	Length of Water Column (depth to bottom - depth to water): 3.5 (feet)
Well measuring point elevation: (feet)	Water table elevation: (feet)
Well volume: 2.16 (liters)	Three well volumes: (1.85 x length of water column for 2 inch well): (liters) 6.475 (liters)

FIELD MEASUREMENT DATA

Volume Removed (liters)	Temperature (°C)	Specific Conductance (mS/cm)	pH (standard units)	DO (mg/L)
5	19.1	337.1	7.10	1.36
6	17.1	356.1	6.98	1.27
7	16.2	719	6.91	1.01

Total volume Removed: 8

OBSERVATIONS:

Color of groundwater: slightly turbid, clear Odors: none Did well go dry: no

Notes:



Well Number: ATC-4

Site Name: Springfield Street

Project Number: 081-12152-01

Site Address: Springfield St., Providence

GROUNDWATER SAMPLING LOG

Sampled By: Janelle Augenstern	Date: 7-27-05
Weather: 90, overcast	Purging Equipment: dedicated poly bailer
Sampling Equipment: dedicated poly bailer	Decontamination method: Alconox & DI
Measuring Point (top of PVC/ top of casing): Top of PVC	Depth to water: (feet) 14.25
Casing diameter: 2 (inches)	Flush mount or riser: Flush mount
Depth to Product: (feet)	Product thickness: (feet)
Depth to bottom: 23.82 (feet)	Length of Water Column (depth to bottom - depth to water): 9.57 (feet)
Well measuring point elevation: (feet)	Water table elevation: (feet)
Well volume: 5.90 (liters)	Three well volumes: (1.85 x length of water column for 2 inch well): (liters) 17.70 (liters)

FIELD MEASUREMENT DATA

Volume Removed (liters)	Temperature (°C)	Specific Conductance (mS/cm)	pH (standard units)	DO (mg/L)
16	17.9	839	6.78	1.23
17	15.1	397.8	6.61	2.93
18	16.6	813	6.53	1.55

Total volume Removed: 19

OBSERVATIONS:

Color of groundwater: slightly turbid, clear Odors: none Did well go dry: no

Notes: needs new cap for top of pvc



Well Number: ATC-5

Site Name: Springfield Street

Project Number: 081-12152-01

Site Address: Springfield St., Providence

GROUNDWATER SAMPLING LOG

Sampled By: Janelle Augenstern	Date: 7-27-05
Weather: 90, overcast	Purging Equipment: dedicated poly bailer
Sampling Equipment: dedicated poly bailer	Decontamination method: Alconox & DI
Measuring Point (top of PVC/ top of casing): Top of PVC	Depth to water: 18.32 (feet)
Casing diameter: 2 (inches)	Flush mount or riser: Flush mount
Depth to Product: (feet)	Product thickness: (feet)
Depth to bottom: 21.6 (feet)	Length of Water Column (depth to bottom - depth to water): 3.28 (feet)
Well measuring point elevation: (feet)	Water table elevation: (feet)
Well volume: 2 (liters)	Three well volumes: (1.85 x length of water column for 2 inch well): (liters) 6.0 (liters)

FIELD MEASUREMENT DATA

Volume Removed (liters)	Temperature (°C)	Specific Conductance (mS/cm)	pH (standard units)	Dissolved Oxygen (mg/L)
4	19.3	10.6	6.7	3.18
5	18.9	18.1	6.7	3.15

Total volume Removed: 5.5 L

OBSERVATIONS:

Color of groundwater: turbid, slightly yellow Odors: none Did well go dry: yes, at 5 liters

Notes: waited for recharge to obtain samples at ~ 5.5 L

Attachment 2

Laboratory Report for Groundwater



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

REPORT DATE 8/10/2005

LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886
ATTN: DONNA PALLISTER

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 04179

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-90685
JOB NUMBER: 081-12152-01

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

PROJECT LOCATION: SPRINGFIELD STREET SCHOOL, PROVIDENCE

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	
ATC-1	05B31036	GRND WATER	NOT SPECIFIED	8260 Subcontracted	SUBCONTRACTED
ATC-2	05B31037	GRND WATER	NOT SPECIFIED	8260 Subcontracted	SUBCONTRACTED
ATC-3	05B31038	GRND WATER	NOT SPECIFIED	8260 Subcontracted	SUBCONTRACTED
ATC-4	05B31039	GRND WATER	NOT SPECIFIED	8260 Subcontracted	SUBCONTRACTED
ATC-5	05B31040	GRND WATER	NOT SPECIFIED	8260 Subcontracted	SUBCONTRACTED

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

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

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 8/15/05

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

SIGNATURE

DATE

Edward Denson
Technical Director



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

DONNA PALLISTER
LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 04179

8/10/2005
Page 1 of 6

Project Location: SPRINGFIELD STREET SCHOOL, PROVIDENCE
Date Received: 7/29/2005

LIMS-BAT #: LIMS-90685
Job Number: 081-12152-01

Field Sample #: ATC-1

Sample ID : 05B31036 Sampled : 7/27/2005
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 Subcontracted					08/09/05	PEL

SUBCONTRACTED ANALYSIS FOR VOLATILES BY METHOD: SW8260

SEE ATTACHED HARD COPY FOR RESULTS

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

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



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DONNA PALLISTER

LEVINE FRICKE

350 METRO CENTER BLVD., SUITE 250

WARWICK, RI 02886

Purchase Order No.: 04179

8/10/2005

Page 2 of 6

Project Location: SPRINGFIELD STREET SCHOOL, PROVIDENCE

Date Received: 7/29/2005

LIMS-BAT #: LIMS-90685

Job Number: 081-12152-01

Field Sample # : ATC-2

Sample ID : 05B31037

Sampled : 7/27/2005

NOT SPECIFIED

Sample Matrix: GRND WATER

Units	Results	RL	Method	Date Analyzed	Analyst
8260 Subcontracted				08/09/05	PEL

SUBCONTRACTED ANALYSIS FOR VOLATILES BY METHOD: SW8260

SEE ATTACHED HARD COPY FOR RESULTS

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

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



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DONNA PALLISTER

LEVINE FRICKE

350 METRO CENTER BLVD., SUITE 250

WARWICK, RI 02886

Purchase Order No.: 04179

8/10/2005

Page 3 of 6

Project Location: SPRINGFIELD STREET SCHOOL, PROVIDENCE

Date Received: 7/29/2005

LIMS-BAT #: LIMS-90685

Job Number: 081-12152-01

Field Sample #: ATC-3

Sample ID: 05B31038

Sampled: 7/27/2005

NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 Subcontracted					08/09/05	PEL

SUBCONTRACTED ANALYSIS FOR VOLATILES BY METHOD: SW8260

SEE ATTACHED HARD COPY FOR RESULTS

RL = Reporting Limit

ND = Not Detected

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
LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 04179

8/10/2005
Page 4 of 6

Project Location: SPRINGFIELD STREET SCHOOL, PROVIDENCE
Date Received: 7/29/2005

LIMS-BAT #: LIMS-90685
Job Number: 081-12152-01

Field Sample # : ATC-4

Sample ID : 05B31039 Sampled : 7/27/2005
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 Subcontracted					08/09/05	PEL

SUBCONTRACTED ANALYSIS FOR VOLATILES BY METHOD: SW8260

SEE ATTACHED HARD COPY FOR RESULTS

RL = Reporting Limit

ND = Not Detected

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
LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 04179

8/10/2005
Page 5 of 6

Project Location: SPRINGFIELD STREET SCHOOL, PROVIDENCE
Date Received: 7/29/2005

LIMS-BAT #: LIMS-90685
Job Number: 081-12152-01

Field Sample #: ATC-5

Sample ID: 05B31040 Sampled: 7/27/2005
NOT SPECIFIED

Sample Matrix: GRND WATER

	Units	Results	RL	Method	Date Analyzed	Analyst
8260 Subcontracted					08/09/05	PEL

SUBCONTRACTED ANALYSIS FOR VOLATILES BY METHOD: SW8260

SEE ATTACHED HARD COPY FOR RESULTS

RL = Reporting Limit

ND = Not Detected

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
LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 04179

8/10/2005
Page 6 of 6

Project Location: SPRINGFIELD STREET SCHOOL, PROVIDENCE
Date Received: 7/29/2005

LIMS-BAT #: LIMS-90685
Job Number: 081-12152-01

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

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



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 10, 2005

FOR: Attn: Mr. Alan Pienkowski
Con-Test
39 Spruce Street
East Longmeadow, MA 01028

Sample Information

Matrix: WATER
Location Code: CON-TEST
Rush Request: RUSH#
P.O.#: 90685

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
07/27/05 15:00
08/04/05 16:45

SDG I.D.: GAG60434

Phoenix I.D.: AG60434

Laboratory Data

Client ID: LIMS #90685 05B31036

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,1-Trichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,3-Trichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,3-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
2,2-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
2-Chlorotoluene	ND	5	ug/L	08/09/05		RM	SW8260
4-Chlorotoluene	ND	5	ug/L	08/09/05		RM	SW8260
Benzene	ND	5	ug/L	08/09/05		RM	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	5	ug/L	08/09/05		RM	SW8260
Bromochloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Bromodichloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Bromoform	ND	5	ug/L	08/09/05		RM	SW8260
Bromomethane	ND	5	ug/L	08/09/05		RM	SW8260
Carbon tetrachloride	ND	5	ug/L	08/09/05		RM	SW8260
Chlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
Chloroethane	ND	5	ug/L	08/09/05		RM	SW8260
Chloroform	ND	5	ug/L	08/09/05		RM	SW8260
Chloromethane	ND	5	ug/L	08/09/05		RM	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
Dibromochloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Dibromoethane	ND	5	ug/L	08/09/05		RM	SW8260
Dibromomethane	ND	5	ug/L	08/09/05		RM	SW8260
Dichlorodifluoromethane	ND	5	ug/L	08/09/05		RM	SW8260
Ethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Hexachlorobutadiene	ND	5	ug/L	08/09/05		RM	SW8260
Isopropylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
m&p-Xylene	ND	5	ug/L	08/09/05		RM	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	08/09/05		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	08/09/05		RM	SW8260
Methylene chloride	ND	5	ug/L	08/09/05		RM	SW8260
n-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
n-Propylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Naphthalene	ND	5	ug/L	08/09/05		RM	SW8260
o-Xylene	ND	5	ug/L	08/09/05		RM	SW8260
p-Isopropyltoluene	ND	5	ug/L	08/09/05		RM	SW8260
sec-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Styrene	ND	5	ug/L	08/09/05		RM	SW8260
tert-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Tetrachloroethene	ND	5	ug/L	08/09/05		RM	SW8260
Toluene	ND	5	ug/L	08/09/05		RM	SW8260
Total Xylenes	ND	5	ug/L	08/09/05		RM	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
Trichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
Trichlorofluoromethane	ND	5	ug/L	08/09/05		RM	SW8260
Vinyl chloride	ND	5	ug/L	08/09/05		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	109		%	08/09/05		RM	SW8260
% Bromofluorobenzene	97		%	08/09/05		RM	SW8260
% Dibromofluoromethane	105		%	08/09/05		RM	SW8260
% Toluene-d8	103		%	08/09/05		RM	SW8260

Client ID: LIMS #90685 05B31036

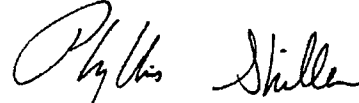
Phoenix I.D.: AG60434

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
August 10, 2005



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 10, 2005

FOR: Attn: Mr. Alan Pienkowski
Con-Test
39 Spruce Street
East Longmeadow, MA 01028

Sample Information

Matrix: WATER
Location Code: CON-TEST
Rush Request: RUSH#
P.O.#: 90685

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
07/27/05 14:20
08/04/05 16:45

SDG I.D.: GAG60434

Phoenix I.D.: AG60435

Laboratory Data

Client ID: LIMS #90685 05B31037

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,1-Trichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,3-Trichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,3-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
2,2-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
2-Chlorotoluene	ND	5	ug/L	08/09/05		RM	SW8260
4-Chlorotoluene	ND	5	ug/L	08/09/05		RM	SW8260
Benzene	ND	5	ug/L	08/09/05		RM	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	5	ug/L	08/09/05		RM	SW8260
Bromochloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Bromodichloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Bromoform	ND	5	ug/L	08/09/05		RM	SW8260
Bromomethane	ND	5	ug/L	08/09/05		RM	SW8260
Carbon tetrachloride	ND	5	ug/L	08/09/05		RM	SW8260
Chlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
Chloroethane	ND	5	ug/L	08/09/05		RM	SW8260
Chloroform	ND	5	ug/L	08/09/05		RM	SW8260
Chloromethane	ND	5	ug/L	08/09/05		RM	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
Dibromochloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Dibromoethane	ND	5	ug/L	08/09/05		RM	SW8260
Dibromomethane	ND	5	ug/L	08/09/05		RM	SW8260
Dichlorodifluoromethane	ND	5	ug/L	08/09/05		RM	SW8260
Ethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Hexachlorobutadiene	ND	5	ug/L	08/09/05		RM	SW8260
Isopropylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
m&p-Xylene	ND	5	ug/L	08/09/05		RM	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	08/09/05		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	08/09/05		RM	SW8260
Methylene chloride	ND	5	ug/L	08/09/05		RM	SW8260
n-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
n-Propylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Naphthalene	ND	5	ug/L	08/09/05		RM	SW8260
o-Xylene	ND	5	ug/L	08/09/05		RM	SW8260
p-Isopropyltoluene	ND	5	ug/L	08/09/05		RM	SW8260
sec-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Styrene	ND	5	ug/L	08/09/05		RM	SW8260
tert-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Tetrachloroethene	ND	5	ug/L	08/09/05		RM	SW8260
Toluene	ND	5	ug/L	08/09/05		RM	SW8260
Total Xylenes	ND	5	ug/L	08/09/05		RM	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
Trichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
Trichlorofluoromethane	ND	5	ug/L	08/09/05		RM	SW8260
Vinyl chloride	ND	5	ug/L	08/09/05		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	110		%	08/09/05		RM	SW8260
% Bromofluorobenzene	93		%	08/09/05		RM	SW8260
% Dibromofluoromethane	98		%	08/09/05		RM	SW8260
% Toluene-d8	100		%	08/09/05		RM	SW8260

Client ID: LIMS #90685 05B31037

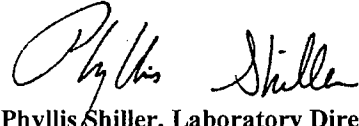
Phoenix I.D.: AG60435

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
August 10, 2005



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 10, 2005

FOR: Attn: Mr. Alan Pienkowski
Con-Test
39 Spruce Street
East Longmeadow, MA 01028

Sample Information

Matrix: WATER
Location Code: CON-TEST
Rush Request: RUSH#
P.O.#: 90685

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
07/27/05 13:25
08/04/05 16:45

SDG I.D.: GAG60434

Phoenix I.D.: AG60436

Laboratory Data

Client ID: LIMS #90685 05B31038

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,1-Trichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,3-Trichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,3-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
2,2-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
2-Chlorotoluene	ND	5	ug/L	08/09/05		RM	SW8260
4-Chlorotoluene	ND	5	ug/L	08/09/05		RM	SW8260
Benzene	ND	5	ug/L	08/09/05		RM	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	5	ug/L	08/09/05		RM	SW8260
Bromochloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Bromodichloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Bromoform	ND	5	ug/L	08/09/05		RM	SW8260
Bromomethane	ND	5	ug/L	08/09/05		RM	SW8260
Carbon tetrachloride	ND	5	ug/L	08/09/05		RM	SW8260
Chlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
Chloroethane	ND	5	ug/L	08/09/05		RM	SW8260
Chloroform	ND	5	ug/L	08/09/05		RM	SW8260
Chloromethane	ND	5	ug/L	08/09/05		RM	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
Dibromochloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Dibromoethane	ND	5	ug/L	08/09/05		RM	SW8260
Dibromomethane	ND	5	ug/L	08/09/05		RM	SW8260
Dichlorodifluoromethane	ND	5	ug/L	08/09/05		RM	SW8260
Ethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Hexachlorobutadiene	ND	5	ug/L	08/09/05		RM	SW8260
Isopropylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
m&p-Xylene	ND	5	ug/L	08/09/05		RM	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	08/09/05		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	08/09/05		RM	SW8260
Methylene chloride	ND	5	ug/L	08/09/05		RM	SW8260
n-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
n-Propylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Naphthalene	ND	5	ug/L	08/09/05		RM	SW8260
o-Xylene	ND	5	ug/L	08/09/05		RM	SW8260
p-Isopropyltoluene	ND	5	ug/L	08/09/05		RM	SW8260
sec-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Styrene	ND	5	ug/L	08/09/05		RM	SW8260
tert-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Tetrachloroethene	ND	5	ug/L	08/09/05		RM	SW8260
Toluene	ND	5	ug/L	08/09/05		RM	SW8260
Total Xylenes	ND	5	ug/L	08/09/05		RM	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
Trichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
Trichlorofluoromethane	ND	5	ug/L	08/09/05		RM	SW8260
Vinyl chloride	ND	5	ug/L	08/09/05		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	113		%	08/09/05		RM	SW8260
% Bromofluorobenzene	88		%	08/09/05		RM	SW8260
% Dibromofluoromethane	101		%	08/09/05		RM	SW8260
% Toluene-d8	98		%	08/09/05		RM	SW8260

Client ID: LIMS #90685 05B31038

Phoenix I.D.: AG60436

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
August 10, 2005



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 August 10, 2005

FOR: Attn: Mr. Alan Pienkowski
 Con-Test
 39 Spruce Street
 East Longmeadow, MA 01028

Sample Information

Matrix: WATER
 Location Code: CON-TEST
 Rush Request: RUSH#
 P.O.#: 90685

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

07/27/05
 08/04/05

Time

12:00
 16:45

SDG I.D.: GAG60434

Phoenix I.D.: AG60437

Laboratory Data

Client ID: LIMS #90685 05B31039

Parameter	Result	RL	Units	Date	Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,1-Trichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,3-Trichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,3-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
2,2-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
2-Chlorotoluene	ND	5	ug/L	08/09/05		RM	SW8260
4-Chlorotoluene	ND	5	ug/L	08/09/05		RM	SW8260
Benzene	ND	5	ug/L	08/09/05		RM	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	5	ug/L	08/09/05		RM	SW8260
Bromochloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Bromodichloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Bromoform	ND	5	ug/L	08/09/05		RM	SW8260
Bromomethane	ND	5	ug/L	08/09/05		RM	SW8260
Carbon tetrachloride	ND	5	ug/L	08/09/05		RM	SW8260
Chlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
Chloroethane	ND	5	ug/L	08/09/05		RM	SW8260
Chloroform	ND	5	ug/L	08/09/05		RM	SW8260
Chloromethane	ND	5	ug/L	08/09/05		RM	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
Dibromochloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Dibromoethane	ND	5	ug/L	08/09/05		RM	SW8260
Dibromomethane	ND	5	ug/L	08/09/05		RM	SW8260
Dichlorodifluoromethane	ND	5	ug/L	08/09/05		RM	SW8260
Ethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Hexachlorobutadiene	ND	5	ug/L	08/09/05		RM	SW8260
Isopropylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
m&p-Xylene	ND	5	ug/L	08/09/05		RM	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	08/09/05		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	08/09/05		RM	SW8260
Methylene chloride	ND	5	ug/L	08/09/05		RM	SW8260
n-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
n-Propylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Naphthalene	ND	5	ug/L	08/09/05		RM	SW8260
o-Xylene	ND	5	ug/L	08/09/05		RM	SW8260
p-Isopropyltoluene	ND	5	ug/L	08/09/05		RM	SW8260
sec-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Styrene	ND	5	ug/L	08/09/05		RM	SW8260
tert-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Tetrachloroethene	ND	5	ug/L	08/09/05		RM	SW8260
Toluene	ND	5	ug/L	08/09/05		RM	SW8260
Total Xylenes	ND	5	ug/L	08/09/05		RM	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
Trichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
Trichlorofluoromethane	ND	5	ug/L	08/09/05		RM	SW8260
Vinyl chloride	ND	5	ug/L	08/09/05		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	113		%	08/09/05		RM	SW8260
% Bromofluorobenzene	91		%	08/09/05		RM	SW8260
% Dibromofluoromethane	107		%	08/09/05		RM	SW8260
% Toluene-d8	102		%	08/09/05		RM	SW8260

Client ID: LIMS #90685 05B31039

Phoenix I.D.: AG60437

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director

August 10, 2005



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 10, 2005

FOR: Attn: Mr. Alan Pienkowski
 Con-Test
 39 Spruce Street
 East Longmeadow, MA 01028

Sample Information

Matrix: WATER
 Location Code: CON-TEST
 Rush Request: RUSH#
 P.O.#: 90685

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date Time

07/27/05 11:00
 08/04/05 16:45

SDG I.D.: GAG60434

Phoenix I.D.: AG60438

Laboratory Data

Client ID: LIMS #90685 05B31040

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,1-Trichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
1,1-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,3-Trichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichloroethane	ND	5	ug/L	08/09/05		RM	SW8260
1,2-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
1,3-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
2,2-Dichloropropane	ND	5	ug/L	08/09/05		RM	SW8260
2-Chlorotoluene	ND	5	ug/L	08/09/05		RM	SW8260
4-Chlorotoluene	ND	5	ug/L	08/09/05		RM	SW8260
Benzene	ND	5	ug/L	08/09/05		RM	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	5	ug/L	08/09/05		RM	SW8260
Bromochloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Bromodichloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Bromoform	ND	5	ug/L	08/09/05		RM	SW8260
Bromomethane	ND	5	ug/L	08/09/05		RM	SW8260
Carbon tetrachloride	ND	5	ug/L	08/09/05		RM	SW8260
Chlorobenzene	ND	5	ug/L	08/09/05		RM	SW8260
Chloroethane	ND	5	ug/L	08/09/05		RM	SW8260
Chloroform	ND	5	ug/L	08/09/05		RM	SW8260
Chloromethane	ND	5	ug/L	08/09/05		RM	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
Dibromochloromethane	ND	5	ug/L	08/09/05		RM	SW8260
Dibromoethane	ND	5	ug/L	08/09/05		RM	SW8260
Dibromomethane	ND	5	ug/L	08/09/05		RM	SW8260
Dichlorodifluoromethane	ND	5	ug/L	08/09/05		RM	SW8260
Ethylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Hexachlorobutadiene	ND	5	ug/L	08/09/05		RM	SW8260
Isopropylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
m&p-Xylene	ND	5	ug/L	08/09/05		RM	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	08/09/05		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	08/09/05		RM	SW8260
Methylene chloride	ND	5	ug/L	08/09/05		RM	SW8260
n-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
n-Propylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Naphthalene	ND	5	ug/L	08/09/05		RM	SW8260
o-Xylene	ND	5	ug/L	08/09/05		RM	SW8260
p-Isopropyltoluene	ND	5	ug/L	08/09/05		RM	SW8260
sec-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Styrene	ND	5	ug/L	08/09/05		RM	SW8260
tert-Butylbenzene	ND	5	ug/L	08/09/05		RM	SW8260
Tetrachloroethene	ND	5	ug/L	08/09/05		RM	SW8260
Toluene	ND	5	ug/L	08/09/05		RM	SW8260
Total Xylenes	ND	5	ug/L	08/09/05		RM	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	08/09/05		RM	SW8260
Trichloroethene	ND	5	ug/L	08/09/05		RM	SW8260
Trichlorofluoromethane	ND	5	ug/L	08/09/05		RM	SW8260
Vinyl chloride	ND	5	ug/L	08/09/05		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	111		%	08/09/05		RM	SW8260
% Bromofluorobenzene	90		%	08/09/05		RM	SW8260
% Dibromofluoromethane	102		%	08/09/05		RM	SW8260
% Toluene-d8	99		%	08/09/05		RM	SW8260

Client ID: LIMS #90685 05B31040

Phoenix I.D.: AG60438

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
August 10, 2005



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 10, 2005

QA/QC Data

SDG I.D.: GAG60434

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
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QA/QC Batch Sample No: AG60440 (AG60434, AG60435, AG60436, AG60437, AG60438)

Volatiles

1,1,1,2-Tetrachloroethane	ND	103	104	100	3.9
1,1,1-Trichloroethane	ND	99	102	96	6.1
1,1,2,2-Tetrachloroethane	ND	102	96	100	4.1
1,1,2-Trichloroethane	ND	101	102	102	0.0
1,1-Dichloroethane	ND	102	104	96	8.0
1,1-Dichloroethene	ND	100	110	100	9.5
1,1-Dichloropropene	ND	103	110	108	1.8
1,2,3-Trichlorobenzene	ND	111	106	98	7.8
1,2,3-Trichloropropane	ND	109	88	104	16.7
1,2,4-Trichlorobenzene	ND	111	106	94	12.0
1,2,4-Trimethylbenzene	ND	114	126	106	17.2
1,2-Dibromo-3-chloropropane	ND	113	104	110	5.6
1,2-Dichlorobenzene	ND	101	100	102	2.0
1,2-Dichloroethane	ND	100	100	98	2.0
1,2-Dichloropropane	ND	91	90	128	34.9
1,3,5-Trimethylbenzene	ND	113	124	108	13.8
1,3-Dichlorobenzene	ND	103	100	102	2.0
1,3-Dichloropropane	ND	112	112	106	5.5
1,4-Dichlorobenzene	ND	101	102	96	6.1
2,2-Dichloropropane	ND	97	100	96	4.1
2-Chlorotoluene	ND	111	112	112	0.0
4-Chlorotoluene	ND	109	108	110	1.8
Benzene	ND	101	102	104	1.9
Bromobenzene	ND	106	106	110	3.7
Bromochloromethane	ND	103	106	102	3.8
Bromodichloromethane	ND	100	94	110	15.7
Bromoform	ND	106	106	106	0.0
Bromomethane	ND			100	NC
Carbon tetrachloride	ND	101	104	102	1.9
Chlorobenzene	ND	103	104	104	0.0
Chloroethane	ND	122	116	98	16.8
Chloroform	ND	101	104	94	10.1

QA/QC Data

SDG I.D.: GAG60434

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Chloromethane	ND		116	114	1.7
cis-1,2-Dichloroethene	ND	105	106	100	5.8
cis-1,3-Dichloropropene	ND	119	96	116	18.9
Dibromochloromethane	ND	107	112	106	5.5
Dibromoethane	ND	108	104	108	3.8
Dibromomethane	ND	95	94	112	17.5
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	109	112	112	0.0
Hexachlorobutadiene	ND	105	106	102	3.8
Isopropylbenzene	ND	126	116	118	1.7
m&p-Xylene	ND	112	115	111	3.5
Methyl Ethyl Ketone	ND				
Methyl t-butyl ether (MTBE)	ND				
Methylene chloride	ND	91	92	88	4.4
n-Butylbenzene	ND	112	112	106	5.5
n-Propylbenzene	ND	114	110	112	1.8
Naphthalene	ND			88	NC
o-Xylene	ND	112	116	112	3.5
p-Isopropyltoluene	ND	118	114	112	1.8
sec-Butylbenzene	ND	103	112	110	1.8
Styrene	ND	108	108	110	1.8
tert-Butylbenzene	ND	115	116	114	1.7
Tetrachloroethene	ND	107	114	104	9.2
Toluene	ND	110	114	116	1.7
Total Xylenes	ND				
trans-1,2-Dichloroethene	ND	100	106	98	7.8
trans-1,3-Dichloropropene	ND	105	106	104	1.9
Trichloroethene	ND	102	106	102	3.8
Trichlorofluoromethane	ND	118	114	104	9.2
Vinyl chloride	ND	127	126	112	11.8
% Bromofluorobenzene	94	98	100	98	2.0

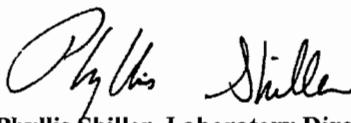
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


Phyllis Shiller, Laboratory Director
August 10, 2005



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: Con-Test Analytical Lab
 Address: 39 Spruce St
 East Longmeadow, MA, 01028
 Attn: Andrea Anderson
 Phone: (413) 525-2332
 Fax: (413) 525-6405

Telephone: ()
 Project # LIMS-90085
 Client PO #

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #:
 Email:
 Format: EXCEL PDF GIS KEY

Project Location:
 Sampled By:
 Proposal Provided? (For Billing purposes) yes no
 State Form Required? yes no

Date Sampled
 Start Date/Time: 7/27/05
 Stop Date/Time: 1500

8260

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp- osite	Grab	*Matrix Code	# of containers
ATC-1	05B310310	X1 vial rec	7/27/05	1500	✓	✓	GW	4
ATC-2	037			1420	✓	✓		4
ATC-3	038			1325	✓	✓		3
ATC-4	039			1200	✓	✓		3
ATC-5	040	X2 vial rec		1100	✓	✓		3

Relinquished by: (signature) [Signature] Date/Time: 8/4/05 14:00
 Received by: (signature) [Signature] Date/Time: 8/4/05 14:50
 Relinquished by: (signature) [Signature] Date/Time: 8/9/05 10:05
 Received by: (signature) [Signature] Date/Time: 8/10/05 16:48

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

Detection Limit Requirements
 Regulations? _____
 Data Enhancement Project? Y N
 (MA MCP sites only)
 Special Requirements or DL's: _____

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

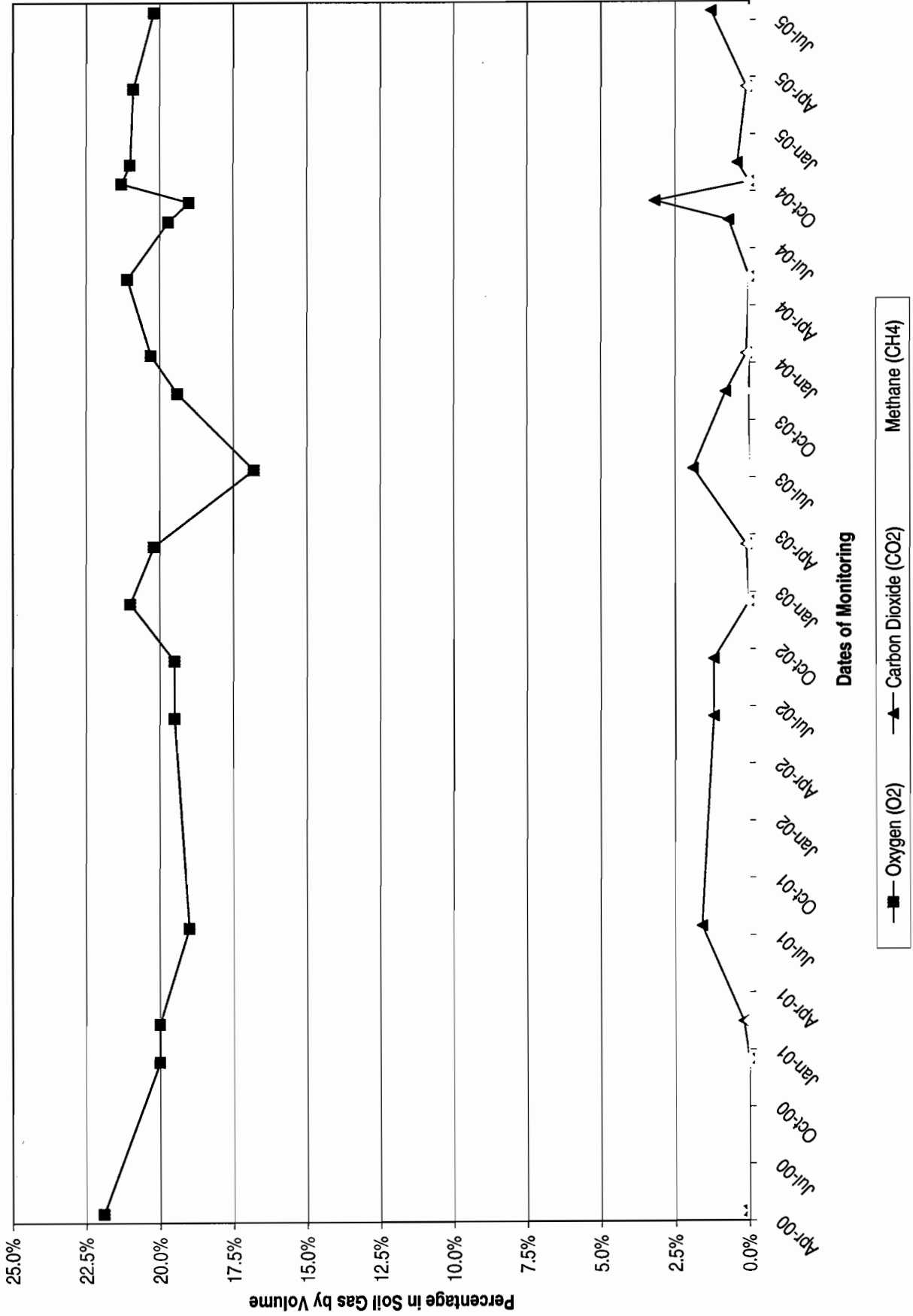
**Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 X = Na hydroxide
 T = Na thiosulfate
 O = Other

Comments: 60 use

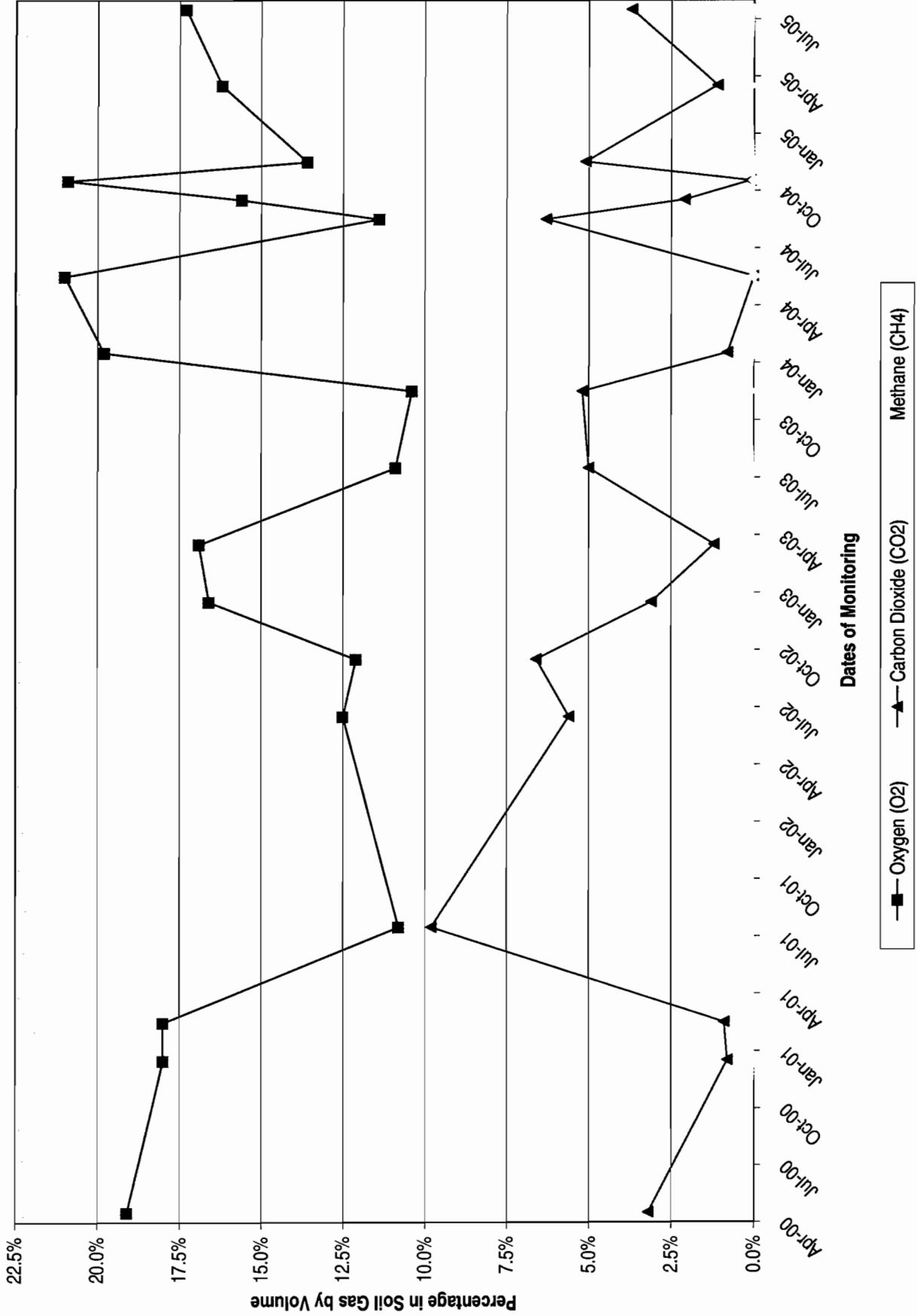
*Turnaround time begins at 9:00 a.m. the day after sample receipt (unless received before 2:00 p.m.)
 Con-Test Laboratory is the ONLY independent laboratory in all of New England with both prestigious AIHA and NELAP Certifications and WBE/DBE Certified!

Attachment 3
Soil Gas Graphs

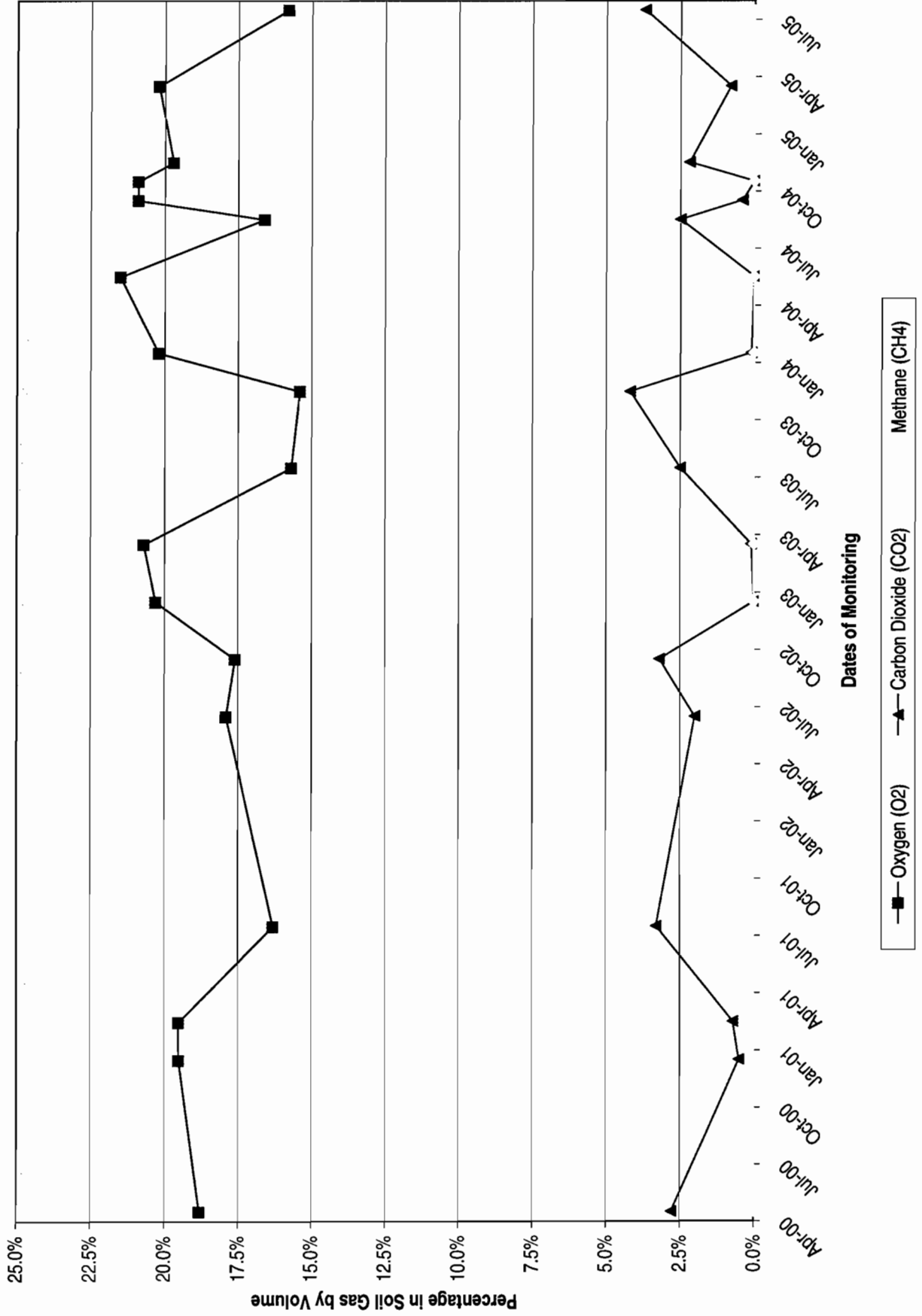
Soil Gas Well EPL1
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



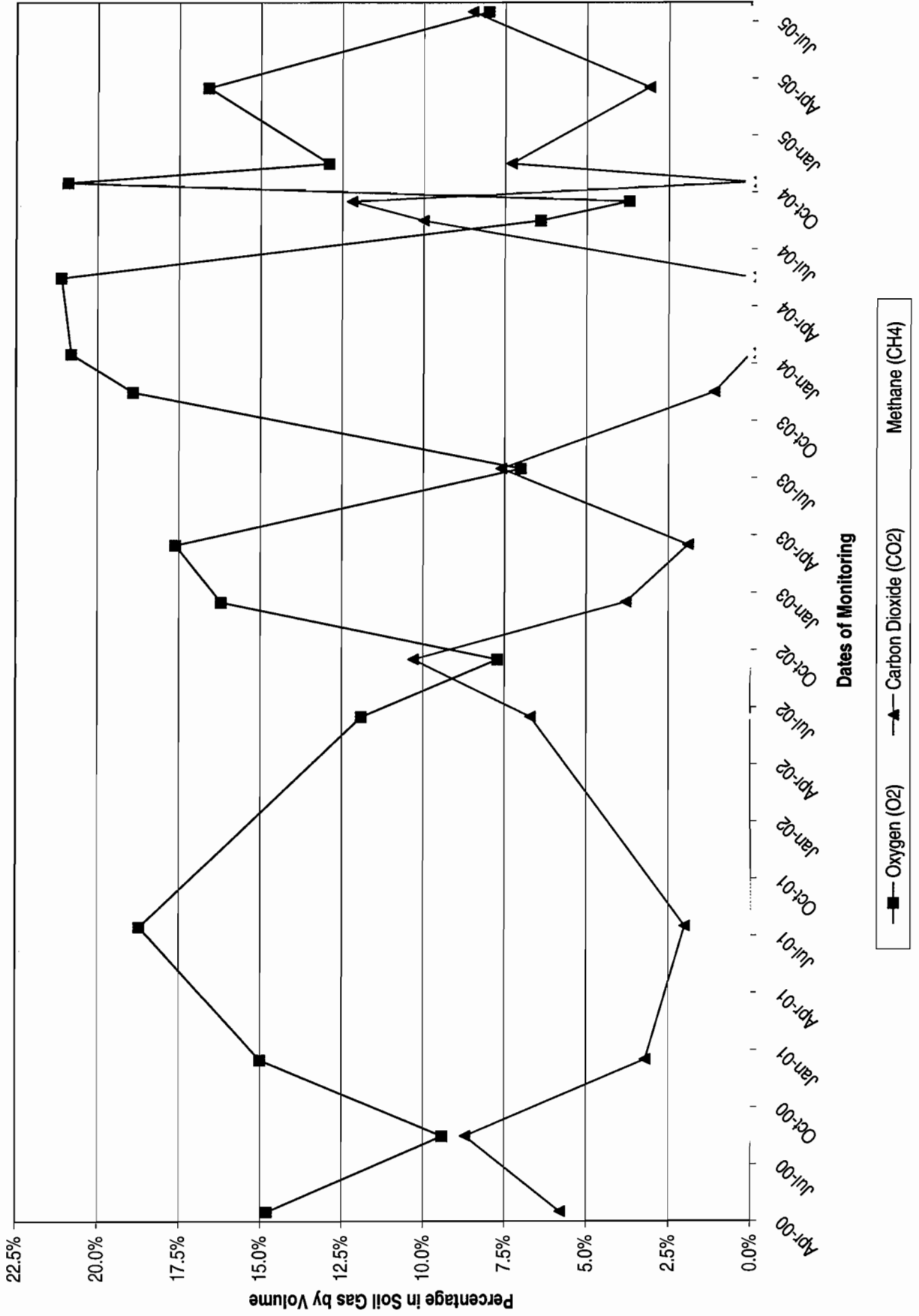
Soil Gas Well EPL4
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



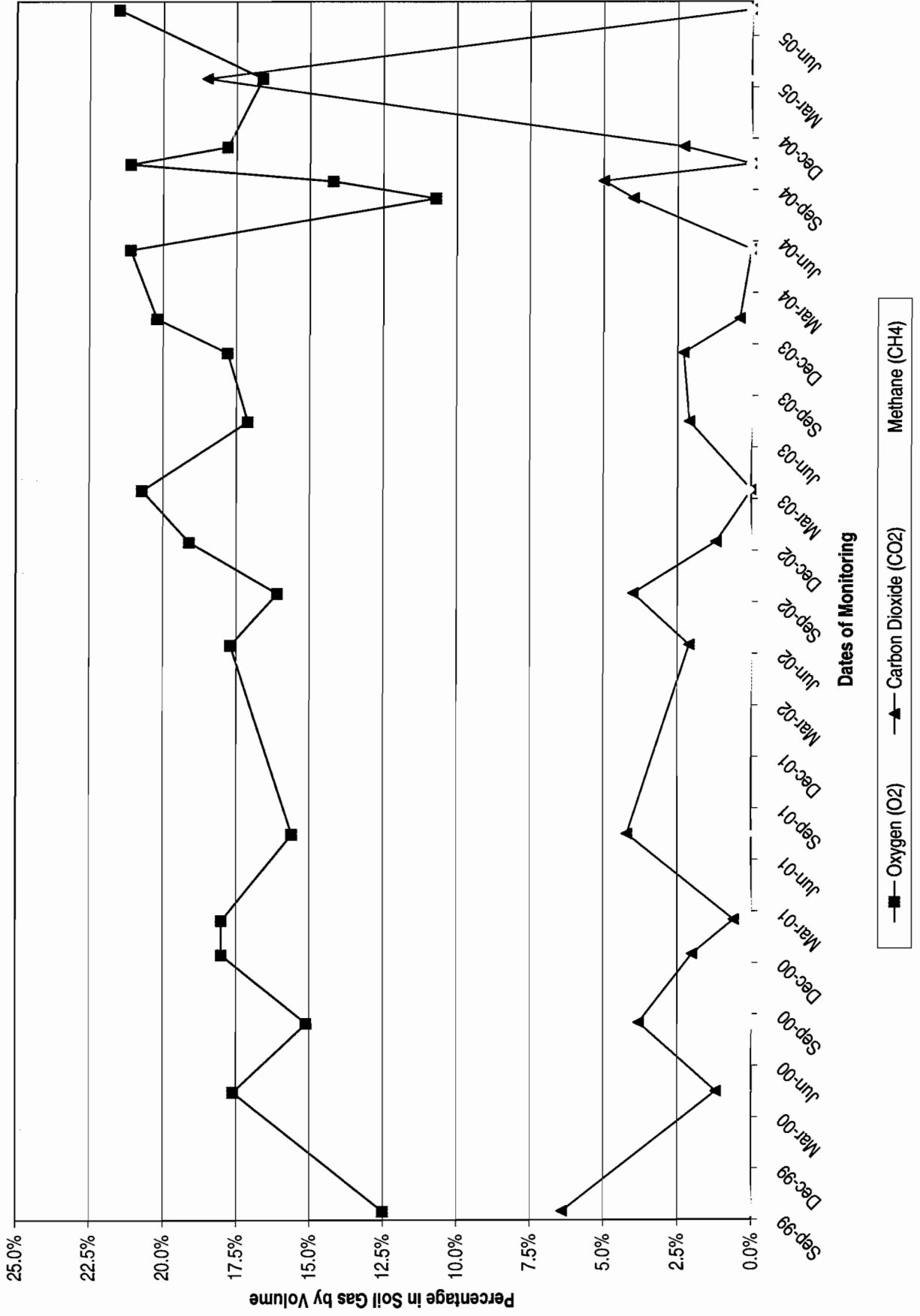
Soil Gas Well MG2
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



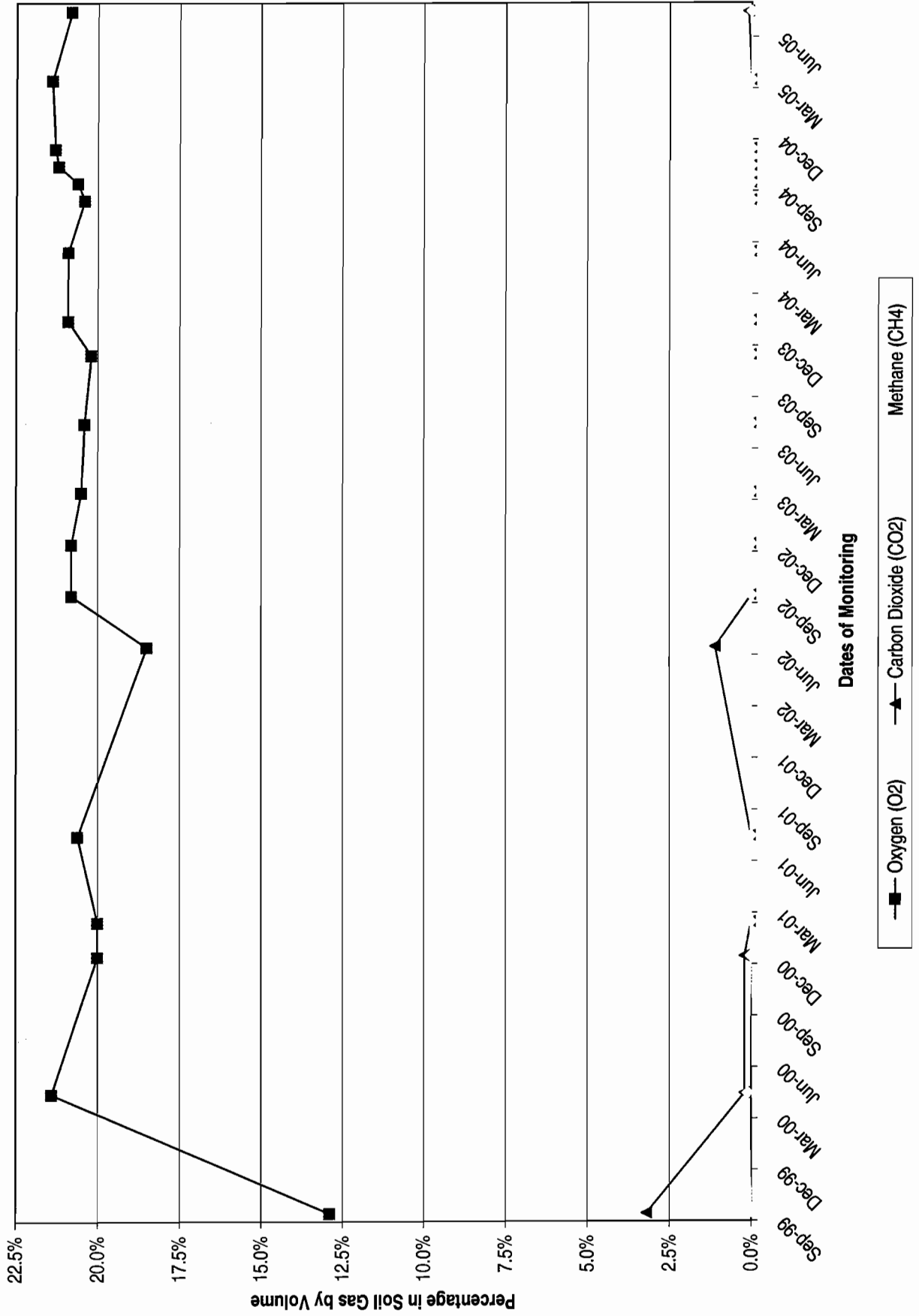
Soil Gas Well MPL5
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



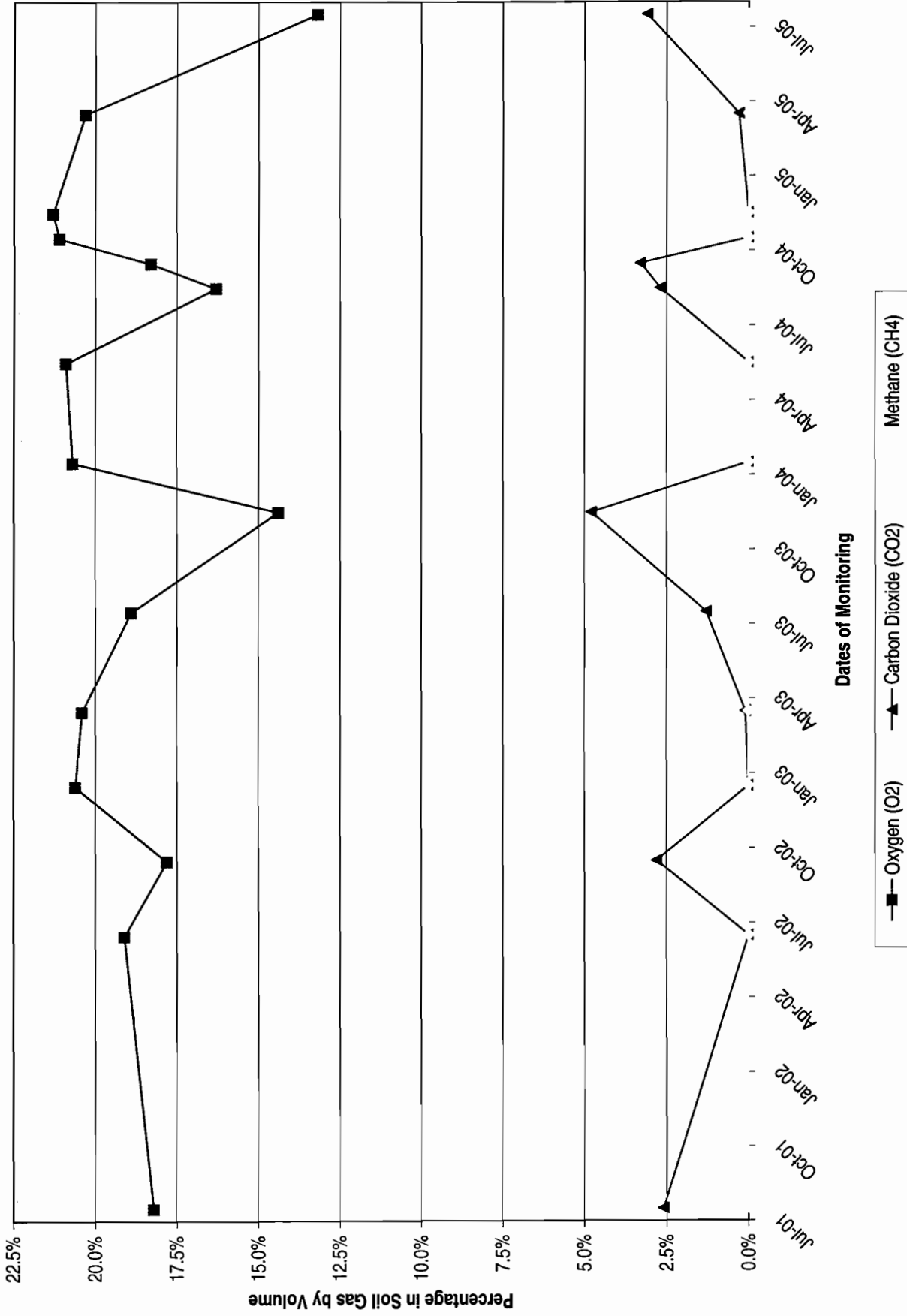
Soil Gas Well WB1
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



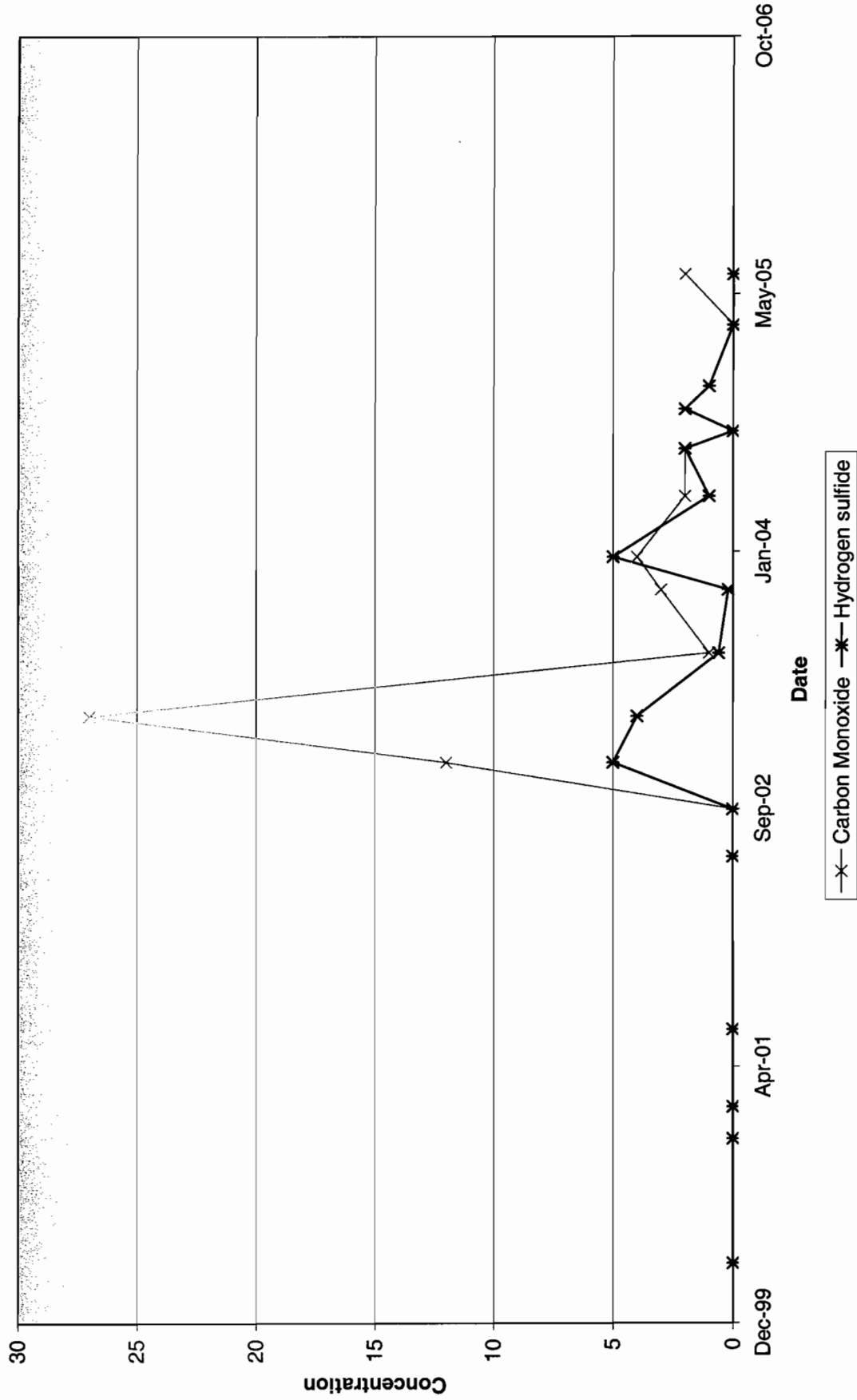
Soil Gas Well WB7
Fluctuation in Methane, Oxygen, and Carbon Dioxide Percentages over Time
Springfield Street School Complex
Providence, Rhode Island



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



Soil Gas Well MG2



Attachment 4

Laboratory Report for Soil Gas



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

REPORT DATE 8/5/2005

LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886
ATTN: DONNA PALLISTER

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 04179

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-90714
JOB NUMBER: 081-12152-01

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. SCHOOL, PROVIDENCE

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
MPL-2	05B31184	AIR	NOT SPECIFIED	to-14 ppbv
MPL-2	05B31184	AIR	NOT SPECIFIED	to-14 ug/m3
WB-2	05B31183	AIR	NOT SPECIFIED	to-14 ppbv
WB-2	05B31183	AIR	NOT SPECIFIED	to-14 ug/m3

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

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

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 8/5/05

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director



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

DONNA PALLISTER
LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 04179

Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE
Date Received: 7/29/2005

8/5/2005
Page 2 of 9
LIMS-BAT #: LIMS-90714
Job Number: 081-12152-01

Field Sample #: MPL-2

Sample ID: 05B31184

Sampled: 7/28/2005
NOT SPECIFIED

Sample Matrix: AIR

Sample Medium: TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Trichloroethylene	PPBv	ND	07/30/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	ND	07/30/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	07/30/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	0.8	07/30/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	07/30/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	07/30/05	TPH	0.5		
m/p-Xylene	PPBv	0.6	07/30/05	TPH	0.5		
o-Xylene	PPBv	ND	07/30/05	TPH	0.5		

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

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



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

DONNA PALLISTER
 LEVINE FRICKE
 350 METRO CENTER BLVD., SUITE 250
 WARWICK, RI 02886

Purchase Order No.: 04179

8/5/2005
 Page 3 of 9

Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE
 Date Received: 7/29/2005
 Field Sample #: **WB-2**

LIMS-BAT #: LIMS-90714
 Job Number: 081-12152-01

Sample ID : **05B31183**

Sampled : 7/28/2005
 NOT SPECIFIED

Sample Matrix: AIR

Sample Medium : TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Benzene	PPBv	ND	07/30/05	TPH	0.5			
Bromomethane	PPBv	ND	07/30/05	TPH	0.5			
Carbon Tetrachloride	PPBv	ND	07/30/05	TPH	0.5			
Chlorobenzene	PPBv	ND	07/30/05	TPH	0.5			
Chloroethane	PPBv	ND	07/30/05	TPH	0.5			
Chloroform	PPBv	ND	07/30/05	TPH	0.5			
Chloromethane	PPBv	ND	07/30/05	TPH	0.5			
1,2-Dibromoethane	PPBv	ND	07/30/05	TPH	0.5			
1,2-Dichlorobenzene	PPBv	ND	07/30/05	TPH	0.5			
1,3-Dichlorobenzene	PPBv	ND	07/30/05	TPH	0.5			
1,4-Dichlorobenzene	PPBv	ND	07/30/05	TPH	0.5			
Dichlorodifluoromethane	PPBv	ND	07/30/05	TPH	0.5			
1,1-Dichloroethane	PPBv	ND	07/30/05	TPH	0.5			
1,2-Dichloroethane	PPBv	ND	07/30/05	TPH	0.5			
1,1-Dichloroethylene	PPBv	ND	07/30/05	TPH	0.5			
cis-1,2-Dichloroethylene	PPBv	ND	07/30/05	TPH	0.5			
1,2-Dichloropropane	PPBv	ND	07/30/05	TPH	0.5			
cis-1,3-Dichloropropene	PPBv	ND	07/30/05	TPH	0.5			
trans-1,3-Dichloropropene	PPBv	ND	07/30/05	TPH	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	07/30/05	TPH	0.5			
Ethylbenzene	PPBv	ND	07/30/05	TPH	0.5			
Hexachlorobutadiene	PPBv	ND	07/30/05	TPH	0.5			
Methylene Chloride	PPBv	ND	07/30/05	TPH	0.5			
Styrene	PPBv	ND	07/30/05	TPH	0.5			
1,1,2,2-Tetrachloroethane	PPBv	ND	07/30/05	TPH	0.5			
Tetrachloroethylene	PPBv	ND	07/30/05	TPH	0.5			
Toluene	PPBv	ND	07/30/05	TPH	0.5			
1,2,4-Trichlorobenzene	PPBv	ND	07/30/05	TPH	0.5			
1,1,1-Trichloroethane	PPBv	ND	07/30/05	TPH	0.5			
1,1,2-Trichloroethane	PPBv	ND	07/30/05	TPH	0.5			

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DONNA PALLISTER
LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 04179

8/5/2005
Page 4 of 9

Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE

LIMS-BAT #: LIMS-90714

Date Received: 7/29/2005

Job Number: 081-12152-01

Field Sample #: **WB-2**

Sample ID : 05B31183

Sampled : 7/28/2005

NOT SPECIFIED

Sample Matrix: AIR

Sample Medium : TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Trichloroethylene	PPBv	ND	07/30/05	TPH	0.5		
Trichlorofluoromethane (Freon 11)	PPBv	ND	07/30/05	TPH	0.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	07/30/05	TPH	0.5		
1,2,4-Trimethylbenzene	PPBv	ND	07/30/05	TPH	0.5		
1,3,5-Trimethylbenzene	PPBv	ND	07/30/05	TPH	0.5		
Vinyl Chloride	PPBv	ND	07/30/05	TPH	0.5		
m/p-Xylene	PPBv	ND	07/30/05	TPH	0.5		
o-Xylene	PPBv	ND	07/30/05	TPH	0.5		

Analytical Method:

EPA TO-14A

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

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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.

DONNA PALLISTER
LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 04179

8/5/2005

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Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE

LIMS-BAT #: LIMS-90714

Date Received: 7/29/2005

Job Number: 081-12152-01

Field Sample #: MPL-2

Sample ID : 05B31184

Sampled : 7/28/2005

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	07/30/05	TPH	1.6			
Bromomethane	ug/m3	ND	07/30/05	TPH	1.9			
Carbon Tetrachloride	ug/m3	ND	07/30/05	TPH	3.1			
Chlorobenzene	ug/m3	ND	07/30/05	TPH	2.3			
Chloroethane	ug/m3	ND	07/30/05	TPH	1.3			
Chloroform	ug/m3	ND	07/30/05	TPH	2.4			
Chloromethane	ug/m3	1.3	07/30/05	TPH	1.0			
1,2-Dibromoethane	ug/m3	ND	07/30/05	TPH	3.8			
1,2-Dichlorobenzene	ug/m3	ND	07/30/05	TPH	3.0			
1,3-Dichlorobenzene	ug/m3	ND	07/30/05	TPH	3.0			
1,4-Dichlorobenzene	ug/m3	5.2	07/30/05	TPH	3.0			
Dichlorodifluoromethane	ug/m3	3.0	07/30/05	TPH	2.5			
1,1-Dichloroethane	ug/m3	ND	07/30/05	TPH	2.0			
1,2-Dichloroethane	ug/m3	ND	07/30/05	TPH	2.0			
1,1-Dichloroethylene	ug/m3	ND	07/30/05	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	ND	07/30/05	TPH	2.0			
1,2-Dichloropropane	ug/m3	ND	07/30/05	TPH	2.3			
cis-1,3-Dichloropropene	ug/m3	ND	07/30/05	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	07/30/05	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	07/30/05	TPH	3.5			
Ethylbenzene	ug/m3	ND	07/30/05	TPH	2.2			
Hexachlorobutadiene	ug/m3	ND	07/30/05	TPH	5.3			
Methylene Chloride	ug/m3	4.8	07/30/05	TPH	1.7			
Styrene	ug/m3	2.2	07/30/05	TPH	2.1			
1,1,2,2-Tetrachloroethane	ug/m3	ND	07/30/05	TPH	3.4			
Tetrachloroethylene	ug/m3	ND	07/30/05	TPH	3.4			
Toluene	ug/m3	5.0	07/30/05	TPH	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	07/30/05	TPH	3.7			
1,1,1-Trichloroethane	ug/m3	ND	07/30/05	TPH	2.7			
1,1,2-Trichloroethane	ug/m3	ND	07/30/05	TPH	2.7			

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DONNA PALLISTER
LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 04179

8/5/2005
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Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE
Date Received: 7/29/2005
Field Sample #: MPL-2

LIMS-BAT #: LIMS-90714
Job Number: 081-12152-01

Sample ID : 05B31184 Sampled : 7/28/2005
NOT SPECIFIED
Sample Matrix: AIR Sample Medium : TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Trichloroethylene	ug/m3	ND	07/30/05	TPH	2.7			
Trichlorofluoromethane	ug/m3	ND	07/30/05	TPH	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	07/30/05	TPH	3.8			
1,2,4-Trimethylbenzene	ug/m3	3.7	07/30/05	TPH	2.5			
1,3,5-Trimethylbenzene	ug/m3	ND	07/30/05	TPH	2.5			
Vinyl Chloride	ug/m3	ND	07/30/05	TPH	1.3			
m/p-Xylene	ug/m3	2.7	07/30/05	TPH	2.2			
o-Xylene	ug/m3	ND	07/30/05	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)

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LEVINE FRICKE
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Purchase Order No.: 04179

Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE

LIMS-BAT #: LIMS-90714

Date Received: 7/29/2005

Job Number: 081-12152-01

Field Sample #: **WB-2**

Sample ID: **05B31183**

Sampled: 7/28/2005

NOT SPECIFIED

Sample Matrix: AIR

Sample Medium: TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Benzene	ug/m3	ND	07/30/05	TPH	1.6		
Bromomethane	ug/m3	ND	07/30/05	TPH	1.9		
Carbon Tetrachloride	ug/m3	ND	07/30/05	TPH	3.1		
Chlorobenzene	ug/m3	ND	07/30/05	TPH	2.3		
Chloroethane	ug/m3	ND	07/30/05	TPH	1.3		
Chloroform	ug/m3	ND	07/30/05	TPH	2.4		
Chloromethane	ug/m3	ND	07/30/05	TPH	1.0		
1,2-Dibromoethane	ug/m3	ND	07/30/05	TPH	3.8		
1,2-Dichlorobenzene	ug/m3	ND	07/30/05	TPH	3.0		
1,3-Dichlorobenzene	ug/m3	ND	07/30/05	TPH	3.0		
1,4-Dichlorobenzene	ug/m3	ND	07/30/05	TPH	3.0		
Dichlorodifluoromethane	ug/m3	ND	07/30/05	TPH	2.5		
1,1-Dichloroethane	ug/m3	ND	07/30/05	TPH	2.0		
1,2-Dichloroethane	ug/m3	ND	07/30/05	TPH	2.0		
1,1-Dichloroethylene	ug/m3	ND	07/30/05	TPH	2.0		
cis-1,2-Dichloroethylene	ug/m3	ND	07/30/05	TPH	2.0		
1,2-Dichloropropane	ug/m3	ND	07/30/05	TPH	2.3		
cis-1,3-Dichloropropene	ug/m3	ND	07/30/05	TPH	2.3		
trans-1,3-Dichloropropene	ug/m3	ND	07/30/05	TPH	2.3		
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	07/30/05	TPH	3.5		
Ethylbenzene	ug/m3	ND	07/30/05	TPH	2.2		
Hexachlorobutadiene	ug/m3	ND	07/30/05	TPH	5.3		
Methylene Chloride	ug/m3	ND	07/30/05	TPH	1.7		
Styrene	ug/m3	ND	07/30/05	TPH	2.1		
1,1,2,2-Tetrachloroethane	ug/m3	ND	07/30/05	TPH	3.4		
Tetrachloroethylene	ug/m3	ND	07/30/05	TPH	3.4		
Toluene	ug/m3	ND	07/30/05	TPH	1.9		
1,2,4-Trichlorobenzene	ug/m3	ND	07/30/05	TPH	3.7		
1,1,1-Trichloroethane	ug/m3	ND	07/30/05	TPH	2.7		
1,1,2-Trichloroethane	ug/m3	ND	07/30/05	TPH	2.7		

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DONNA PALLISTER
 LEVINE FRICKE
 350 METRO CENTER BLVD., SUITE 250
 WARWICK, RI 02886

Purchase Order No.: 04179

8/5/2005
 Page 8 of 9

Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE
 Date Received: 7/29/2005
 Field Sample #: **WB-2**

LIMS-BAT #: LIMS-90714
 Job Number: 081-12152-01

Sample ID : 05B31183 Sampled : 7/28/2005
 NOT SPECIFIED
 Sample Matrix: AIR Sample Medium : TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Trichloroethylene	ug/m3	ND	07/30/05	TPH	2.7			
Trichlorofluoromethane	ug/m3	ND	07/30/05	TPH	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	07/30/05	TPH	3.8			
1,2,4-Trimethylbenzene	ug/m3	ND	07/30/05	TPH	2.5			
1,3,5-Trimethylbenzene	ug/m3	ND	07/30/05	TPH	2.5			
Vinyl Chloride	ug/m3	ND	07/30/05	TPH	1.3			
m/p-Xylene	ug/m3	ND	07/30/05	TPH	2.2			
o-Xylene	ug/m3	ND	07/30/05	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)

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DONNA PALLISTER
LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

Purchase Order No.: 04179

Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE
Date Received: 7/29/2005

8/5/2005
Page 9 of 9

LIMS-BAT #: LIMS-90714
Job Number: 081-12152-01

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected

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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.



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: 8/5/2005

Lims Bat #: LIMS-90714

Page 1 of 2

QC Batch Number: BATCH-9464

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B31183	4-Bromofluorobenzene	Surrogate Recovery	92.5	%	70-130
05B31184	4-Bromofluorobenzene	Surrogate Recovery	99.5	%	70-130
BLANK-76831	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.4	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	<2.1	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	<2.2	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,1-Dichloroethane	Blank	<2.0	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.7	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.0	ug/m3	
	Bromomethane	Blank	<1.9	ug/m3	
	Chloroethane	Blank	<1.3	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	<5.3	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	



QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 8/5/2005

Lims Bat #: LIMS-90714

Page 2 of 2

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

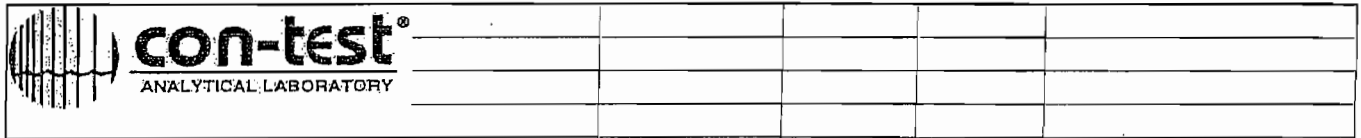
SAMPLE RECEIPT CHECKLIST

CLIENT NAME

LFR

RECIEVED BY MB

DATE 7/29/05



Was chain of custody relinquished and signed?	<input checked="" type="radio"/> yes	no	
Does Chain agree with samples?	<input checked="" type="radio"/> yes	no	Explain:
All samples in good condition?	<input checked="" type="radio"/> yes	no	Explain:
Were samples received in compliance with tempaure 0-6 degrees C?	yes	<input checked="" type="radio"/> no	<u>ambient</u> degrees C
Are there any on-hold samples?	yes	<input checked="" type="radio"/> no	
Laboratory analysts notified?	<u>n/a</u>	yes	no Who: _____ Time: _____ Initials: _____
Location where samples are stored: <u>air</u>			

CONTAINERS RECEIVED AT CON-TEST	# of containers		COMMENTS
1 liter amber			
500 ml amber			
250 ml amber (8oz amber)			
1 liter plastic			
500 ml plastic			
250 ml plastic			
40 ml vial			
colisure bottle			
flashpoint bottle			
dissolved oxygen bottle			
1 liter clear jar			
8 oz clear jar			
4 oz clear jar			
2 oz clear jar			
plastic bag			
air cassette			
encore sample			
brass sleeves			
tubes			
summa cans			
<u>other</u> <u>bedlows</u>	<u>2</u>		

Laboratory Comments:



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

REPORT DATE 8/5/2005

LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886
ATTN: DONNA PALLISTER

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 04179

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-90714
JOB NUMBER: 081-12152-01

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. SCHOOL, PROVIDENCE

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
MPL-2	05B31184	AIR	NOT SPECIFIED	to-14 ppbv
MPL-2	05B31184	AIR	NOT SPECIFIED	to-14 ug/m3
WB-2	05B31183	AIR	NOT SPECIFIED	to-14 ppbv
WB-2	05B31183	AIR	NOT SPECIFIED	to-14 ug/m3

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

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

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 8/5/05

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director



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

DONNA PALLISTER
LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

8/5/2005
Page 2 of 9

Purchase Order No.: 04179

Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE

LIMS-BAT #: LIMS-90714

Date Received: 7/29/2005

Job Number: 081-12152-01

Field Sample #: MPL-2

Sample ID: 05B31184

Sampled: 7/28/2005

NOT SPECIFIED

Sample Matrix: AIR

Sample Medium: TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Trichloroethylene	PPBv	ND	07/30/05	TPH	0.5			
Trichlorofluoromethane (Freon 11)	PPBv	ND	07/30/05	TPH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	07/30/05	TPH	0.5			
1,2,4-Trimethylbenzene	PPBv	0.8	07/30/05	TPH	0.5			
1,3,5-Trimethylbenzene	PPBv	ND	07/30/05	TPH	0.5			
Vinyl Chloride	PPBv	ND	07/30/05	TPH	0.5			
m/p-Xylene	PPBv	0.6	07/30/05	TPH	0.5			
o-Xylene	PPBv	ND	07/30/05	TPH	0.5			

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

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

DONNA PALLISTER
 LEVINE FRICKE
 350 METRO CENTER BLVD., SUITE 250
 WARWICK, RI 02886

Purchase Order No.: 04179

8/5/2005
 Page 3 of 9

Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE

LIMS-BAT #: LIMS-90714

Date Received: 7/29/2005

Job Number: 081-12152-01

Field Sample #: WB-2

Sample ID : 05B31183

Sampled : 7/28/2005

NOT SPECIFIED

Sample Matrix: AIR

Sample Medium : TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Benzene	PPBv	ND	07/30/05	TPH	0.5			
Bromomethane	PPBv	ND	07/30/05	TPH	0.5			
Carbon Tetrachloride	PPBv	ND	07/30/05	TPH	0.5			
Chlorobenzene	PPBv	ND	07/30/05	TPH	0.5			
Chloroethane	PPBv	ND	07/30/05	TPH	0.5			
Chloroform	PPBv	ND	07/30/05	TPH	0.5			
Chloromethane	PPBv	ND	07/30/05	TPH	0.5			
1,2-Dibromoethane	PPBv	ND	07/30/05	TPH	0.5			
1,2-Dichlorobenzene	PPBv	ND	07/30/05	TPH	0.5			
1,3-Dichlorobenzene	PPBv	ND	07/30/05	TPH	0.5			
1,4-Dichlorobenzene	PPBv	ND	07/30/05	TPH	0.5			
Dichlorodifluoromethane	PPBv	ND	07/30/05	TPH	0.5			
1,1-Dichloroethane	PPBv	ND	07/30/05	TPH	0.5			
1,2-Dichloroethane	PPBv	ND	07/30/05	TPH	0.5			
1,1-Dichloroethylene	PPBv	ND	07/30/05	TPH	0.5			
cis-1,2-Dichloroethylene	PPBv	ND	07/30/05	TPH	0.5			
1,2-Dichloropropane	PPBv	ND	07/30/05	TPH	0.5			
cis-1,3-Dichloropropene	PPBv	ND	07/30/05	TPH	0.5			
trans-1,3-Dichloropropene	PPBv	ND	07/30/05	TPH	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	07/30/05	TPH	0.5			
Ethylbenzene	PPBv	ND	07/30/05	TPH	0.5			
Hexachlorobutadiene	PPBv	ND	07/30/05	TPH	0.5			
Methylene Chloride	PPBv	ND	07/30/05	TPH	0.5			
Styrene	PPBv	ND	07/30/05	TPH	0.5			
1,1,2,2-Tetrachloroethane	PPBv	ND	07/30/05	TPH	0.5			
Tetrachloroethylene	PPBv	ND	07/30/05	TPH	0.5			
Toluene	PPBv	ND	07/30/05	TPH	0.5			
1,2,4-Trichlorobenzene	PPBv	ND	07/30/05	TPH	0.5			
1,1,1-Trichloroethane	PPBv	ND	07/30/05	TPH	0.5			
1,1,2-Trichloroethane	PPBv	ND	07/30/05	TPH	0.5			

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DONNA PALLISTER
 LEVINE FRICKE
 350 METRO CENTER BLVD., SUITE 250
 WARWICK, RI 02886

Purchase Order No.: 04179

8/5/2005
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Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE
 Date Received: 7/29/2005

LIMS-BAT #: LIMS-90714
 Job Number: 081-12152-01

Field Sample #: **WB-2**

Sample ID : **05B31183**

Sampled : 7/28/2005
 NOT SPECIFIED

Sample Matrix: AIR

Sample Medium : TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Trichloroethylene	PPBv	ND	07/30/05	TPH	0.5			
Trichlorofluoromethane (Freon 11)	PPBv	ND	07/30/05	TPH	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	07/30/05	TPH	0.5			
1,2,4-Trimethylbenzene	PPBv	ND	07/30/05	TPH	0.5			
1,3,5-Trimethylbenzene	PPBv	ND	07/30/05	TPH	0.5			
Vinyl Chloride	PPBv	ND	07/30/05	TPH	0.5			
m/p-Xylene	PPBv	ND	07/30/05	TPH	0.5			
o-Xylene	PPBv	ND	07/30/05	TPH	0.5			

Analytical Method:

EPA TO-14A

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

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DONNA PALLISTER
 LEVINE FRICKE
 350 METRO CENTER BLVD., SUITE 250
 WARWICK, RI 02886

8/5/2005
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Purchase Order No.: 04179

Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE

LIMS-BAT #: LIMS-90714

Date Received: 7/29/2005

Job Number: 081-12152-01

Field Sample #: MPL-2

Sample ID: 05B31184

Sampled: 7/28/2005
 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	07/30/05	TPH	1.6			
Bromomethane	ug/m3	ND	07/30/05	TPH	1.9			
Carbon Tetrachloride	ug/m3	ND	07/30/05	TPH	3.1			
Chlorobenzene	ug/m3	ND	07/30/05	TPH	2.3			
Chloroethane	ug/m3	ND	07/30/05	TPH	1.3			
Chloroform	ug/m3	ND	07/30/05	TPH	2.4			
Chloromethane	ug/m3	1.3	07/30/05	TPH	1.0			
1,2-Dibromoethane	ug/m3	ND	07/30/05	TPH	3.8			
1,2-Dichlorobenzene	ug/m3	ND	07/30/05	TPH	3.0			
1,3-Dichlorobenzene	ug/m3	ND	07/30/05	TPH	3.0			
1,4-Dichlorobenzene	ug/m3	5.2	07/30/05	TPH	3.0			
Dichlorodifluoromethane	ug/m3	3.0	07/30/05	TPH	2.5			
1,1-Dichloroethane	ug/m3	ND	07/30/05	TPH	2.0			
1,2-Dichloroethane	ug/m3	ND	07/30/05	TPH	2.0			
1,1-Dichloroethylene	ug/m3	ND	07/30/05	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	ND	07/30/05	TPH	2.0			
1,2-Dichloropropane	ug/m3	ND	07/30/05	TPH	2.3			
cis-1,3-Dichloropropene	ug/m3	ND	07/30/05	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	07/30/05	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	07/30/05	TPH	3.5			
Ethylbenzene	ug/m3	ND	07/30/05	TPH	2.2			
Hexachlorobutadiene	ug/m3	ND	07/30/05	TPH	5.3			
Methylene Chloride	ug/m3	4.8	07/30/05	TPH	1.7			
Styrene	ug/m3	2.2	07/30/05	TPH	2.1			
1,1,2,2-Tetrachloroethane	ug/m3	ND	07/30/05	TPH	3.4			
Tetrachloroethylene	ug/m3	ND	07/30/05	TPH	3.4			
Toluene	ug/m3	5.0	07/30/05	TPH	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	07/30/05	TPH	3.7			
1,1,1-Trichloroethane	ug/m3	ND	07/30/05	TPH	2.7			
1,1,2-Trichloroethane	ug/m3	ND	07/30/05	TPH	2.7			

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DONNA PALLISTER
 LEVINE FRICKE
 350 METRO CENTER BLVD., SUITE 250
 WARWICK, RI 02886

8/5/2005
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Purchase Order No.: 04179

Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE
 Date Received: 7/29/2005

LIMS-BAT #: LIMS-90714
 Job Number: 081-12152-01

Field Sample #: MPL-2

Sample ID : 05B31184

Sampled : 7/28/2005
 NOT SPECIFIED

Sample Matrix: AIR

Sample Medium : TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Trichloroethylene	ug/m3	ND	07/30/05	TPH	2.7			
Trichlorofluoromethane	ug/m3	ND	07/30/05	TPH	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	07/30/05	TPH	3.8			
1,2,4-Trimethylbenzene	ug/m3	3.7	07/30/05	TPH	2.5			
1,3,5-Trimethylbenzene	ug/m3	ND	07/30/05	TPH	2.5			
Vinyl Chloride	ug/m3	ND	07/30/05	TPH	1.3			
m/p-Xylene	ug/m3	2.7	07/30/05	TPH	2.2			
o-Xylene	ug/m3	ND	07/30/05	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)

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DONNA PALLISTER
 LEVINE FRICKE
 350 METRO CENTER BLVD., SUITE 250
 WARWICK, RI 02886

8/5/2005
 Page 7 of 9

Purchase Order No.: 04179

Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE

LIMS-BAT #: LIMS-90714

Date Received: 7/29/2005

Job Number: 081-12152-01

Field Sample #: WB-2

Sample ID: 05B31183

Sampled: 7/28/2005

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	07/30/05	TPH	1.6			
Bromomethane	ug/m3	ND	07/30/05	TPH	1.9			
Carbon Tetrachloride	ug/m3	ND	07/30/05	TPH	3.1			
Chlorobenzene	ug/m3	ND	07/30/05	TPH	2.3			
Chloroethane	ug/m3	ND	07/30/05	TPH	1.3			
Chloroform	ug/m3	ND	07/30/05	TPH	2.4			
Chloromethane	ug/m3	ND	07/30/05	TPH	1.0			
1,2-Dibromoethane	ug/m3	ND	07/30/05	TPH	3.8			
1,2-Dichlorobenzene	ug/m3	ND	07/30/05	TPH	3.0			
1,3-Dichlorobenzene	ug/m3	ND	07/30/05	TPH	3.0			
1,4-Dichlorobenzene	ug/m3	ND	07/30/05	TPH	3.0			
Dichlorodifluoromethane	ug/m3	ND	07/30/05	TPH	2.5			
1,1-Dichloroethane	ug/m3	ND	07/30/05	TPH	2.0			
1,2-Dichloroethane	ug/m3	ND	07/30/05	TPH	2.0			
1,1-Dichloroethylene	ug/m3	ND	07/30/05	TPH	2.0			
cis-1,2-Dichloroethylene	ug/m3	ND	07/30/05	TPH	2.0			
1,2-Dichloropropane	ug/m3	ND	07/30/05	TPH	2.3			
cis-1,3-Dichloropropene	ug/m3	ND	07/30/05	TPH	2.3			
trans-1,3-Dichloropropene	ug/m3	ND	07/30/05	TPH	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	07/30/05	TPH	3.5			
Ethylbenzene	ug/m3	ND	07/30/05	TPH	2.2			
Hexachlorobutadiene	ug/m3	ND	07/30/05	TPH	5.3			
Methylene Chloride	ug/m3	ND	07/30/05	TPH	1.7			
Styrene	ug/m3	ND	07/30/05	TPH	2.1			
1,1,2,2-Tetrachloroethane	ug/m3	ND	07/30/05	TPH	3.4			
Tetrachloroethylene	ug/m3	ND	07/30/05	TPH	3.4			
Toluene	ug/m3	ND	07/30/05	TPH	1.9			
1,2,4-Trichlorobenzene	ug/m3	ND	07/30/05	TPH	3.7			
1,1,1-Trichloroethane	ug/m3	ND	07/30/05	TPH	2.7			
1,1,2-Trichloroethane	ug/m3	ND	07/30/05	TPH	2.7			

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Purchase Order No.: 04179

8/5/2005
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Project Location: SPRINGFIELD ST. SCHOOL, PROVIDENCE

LIMS-BAT #: LIMS-90714

Date Received: 7/29/2005

Job Number: 081-12152-01

Field Sample #: WB-2

Sample ID : 05B31183

Sampled : 7/28/2005

NOT SPECIFIED

Sample Matrix: AIR

Sample Medium : TEDLAR BAG

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Trichloroethylene	ug/m3	ND	07/30/05	TPH	2.7			
Trichlorofluoromethane	ug/m3	ND	07/30/05	TPH	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	07/30/05	TPH	3.8			
1,2,4-Trimethylbenzene	ug/m3	ND	07/30/05	TPH	2.5			
1,3,5-Trimethylbenzene	ug/m3	ND	07/30/05	TPH	2.5			
Vinyl Chloride	ug/m3	ND	07/30/05	TPH	1.3			
m/p-Xylene	ug/m3	ND	07/30/05	TPH	2.2			
o-Xylene	ug/m3	ND	07/30/05	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

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



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

DONNA PALLISTER
LEVINE FRICKE
350 METRO CENTER BLVD., SUITE 250
WARWICK, RI 02886

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** END OF REPORT **

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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: 8/5/2005

Lims Bat #: LIMS-90714

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QC Batch Number: BATCH-9464

Sample Id	Analysis	QC Analysis	Values	Units	Limits
05B31183	4-Bromofluorobenzene	Surrogate Recovery	92.5	%	70-130
05B31184	4-Bromofluorobenzene	Surrogate Recovery	99.5	%	70-130
BLANK-76831	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.1	ug/m3	
	Chloroform	Blank	<2.4	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	<2.1	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	<2.2	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,1-Dichloroethane	Blank	<2.0	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.7	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.0	ug/m3	
	Bromomethane	Blank	<1.9	ug/m3	
	Chloroethane	Blank	<1.3	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	<5.3	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	



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: 8/5/2005

Lims Bat #: LIMS-90714

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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

