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FINAL SEMI-ANNUAL OPERATION MONITORING & MAINTENANCE REPORT
REMEDIAL WORK ELEMENTS I, II AND IV
REPORTING PERIOD JUNE 30, 2007 THROUGH DECEMBER 04, 2007

Malta Rocket Fuel Area Site
Malta, New York

February 7, 2008

Submitted to:

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CERTIFICATION: This document has been reviewed and is prepared in accordance with the contract documents.

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1.0 INTRODUCTION

This operations and maintenance (O&M) report documents on going O&M activities conducted at the Malta Rocket Fuel Area (MRFA) site, in the Town of Malta, New York. This report has been prepared in accordance with the following documents:

- *Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, dated March 31, 1998 and prepared by ERM - Northeast, Inc.*
- *Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, dated January 15, 2002, and prepared by IT Corporation, Inc., currently Shaw Environmental, Inc. (Shaw).*
- *Operations and Maintenance Manual, Remedial Work Element II, Groundwater, dated January 22, 1998 and prepared by ERM - Northeast, Inc.,* and *Addendum No. 1, January 31, 2005.*
- *Operation and Maintenance Manual, Remedial Work Element IV, Institutional Controls, dated September 9, 1999, revised September 27, 1999, prepared by IT Corporation, Inc., currently Shaw.*

This report covers all site activities performed at the site, as required in each of the previously referenced documents, for the period from June 30, 2007 through December 04, 2007.

2.0 O&M OF REMEDIAL WORK ELEMENT I (Drinking Water)

According to the provisions of the *Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, IT Corporation, Inc., January 15, 2002*, six regularly scheduled monthly site visits were performed to inspect the groundwater treatment system (system) operation, record system operating conditions, and to determine system treatment effectiveness. The site visits took place on July 13, August 22, September 18, October 16, November 15, and December 14, 2007.

The groundwater treatment system is comprised of a packed tower air stripper. System influent and effluent samples were collected during the September 18, 2006 and November 15, 2007 site visits to document adherence to treatment system discharge objectives. Analytical results from these sample events, including validated analytical results and chain of custody forms, are provided in **Appendix A**. The validation summary is included in **Appendix C**.

During the reporting period, recovery wells RW-1D and RW-2D operated at instantaneous flow rates of approximately 1.2 and 6.5 gallons per minute (gpm), respectively, yielding a total instantaneous flow of approximately 7.7 gpm.

Review of the analytical results for influent and effluent treatment system samples collected in September 2007 and November 2007 confirm that during the reporting period, the system effluent water quality was well below the chemical specific effluent requirements presented in the O&M manual. Air stripper blower pressure readings as well as the effluent water quality data demonstrate that the air stripper packing material is not in need of cleaning or replacement. Additional discussions regarding air stripper flow, air stripper blower pressure readings and water quality sampling are presented in the following sections.

2.1 Remote Telemetry/Programmable Logic Controller

To ensure that the system operates continuously, system operating parameters are visually monitored during each of the monthly site visits and on a continual basis via a Remote Telemetry Unit (RTU). During the reporting period, the RTU notified key project personnel of alarm conditions via facsimile and voice messaging. The alarm conditions that were received by the RTU that were not activated on-site during system O&M activities were identified as AC Power Failures or Blower Low Pressure/Blower Low Amperage. The AC power failure alarm

conditions were apparently caused by short duration power interruptions which are typical at the MRFA site. The power interruptions result in brief electrical power delays to the system and are not known to cause significant disruption to the performance of the treatment system. With the exception of the Blower Low Pressure/Blower Low Amperage alarm, no operator intervention at the Site was required to clear the alarm conditions identified during the reporting period. The alarm conditions identified by the RTU during the reporting period confirmed the proper operation of the system and the RTU's effectiveness in notifying project personnel of alarm conditions.

2.2 Visual System Inspection

Visual inspections were made of all accessible system components during monthly site visits in accordance with attached **Table 1, Maintenance Checklist**. Inspections were performed to check for signs of component wear, process piping leaks and each of the general maintenance requirements. **Table 2, Equipment Log, Air Stripper Maintenance** includes a summary of observations made during visual inspections.

Maintenance activities included regular inspection of the air stripper blower intake for obstructions, inspection of all process valves and piping to prevent leakage of untreated groundwater, and inspection of the air stripper sight tube for sediment buildup. In addition, the operation of the transfer sump pump and associated high level float was checked. The settling tank interior was also visually inspected for signs of sediment buildup or corrosion and the reservoir level was checked during each monthly visit. The system was found to be in good working order during the reporting period.

2.3 Operating Measurements

2.3.1 Water Flow Measurements

Water flow measurements for wells RW-1D and RW-2D collected during monthly site visits are presented in **Table 3**, **Process Operating Report**. The totalizer readings collected at the site demonstrate average recovery well water flow rates for the period of June 30, 2007 to December 14, 2007 are as follows:

Well RW-1D: 0.1060 gpm
Well RW-2D: 0.7715 gpm
System Avg: 0.8775 gpm

Average daily water flow data as recorded by the on-site data logger are provided in **Appendix D**. Information obtained from the data logger indicates an average daily water flow rate of 0.8542 gpm for the reporting period. The average water flow rate calculated from field observations (0.8775 gpm) is very similar to the average daily water flow rate calculated from the data logger (0.8542 gpm), confirming the data logger's accuracy and usefulness in verifying field observations.

The average daily water flow rates observed during the reporting period were similar to those observed during the last reporting period. The decrease in personnel present on a daily basis at Luther Forest Technology Campus Economic Development Corporation (LFTCEDC) and the connection of the New York State Energy Research and Development Authority (NYSERDA) facilities to an alternative water supply were responsible for the decrease in water use within the distribution system. NYSERDA was connected to Saratoga Water Services in November 2005 and no longer utilizes water from the test station. LFTCEDC uses minimal water currently, because the facility is largely inactive.

2.3.2 Blower Air Pressure

Measurements of the air stripper blower back pressure were recorded on a weekly basis via RTU monitoring and during monthly O&M site visits. Readings collected during monthly O&M site visits from the pressure gauge installed to monitor the air stripper back pressure are provided in **Table 3**. Pressure readings ranged from 2.9 to 3.0 inches of water column during the current period. The pressure readings were within the acceptable range of readings that are specified in the *Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, IT Corporation, Inc., January 15, 2002*. Pressure readings will continue to be monitored in the future to ensure proper system performance.

2.4 Water Quality Data

2.4.1 Sample Collection

Samples of the drinking water system influent and effluent were collected on September 18 and

November 15, 2007 and analyzed by Columbia Analytical Laboratories, Inc., Rochester, New York. Influent and effluent samples were analyzed for volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method Contract Laboratory Program (CLP) OLC-02, modified to include hexachlorobutadiene, 1,2,3-trichlorobenzene and trichlorofluoromethane as summarized in **Table 4**.

The validated analytical results and chain of custody forms for the September 18 and November 15, 2007 samples are provided in **Appendix A**. All validation was performed by Data Validation Services, Incorporated of North Creek, New York. Validation reports are included in **Appendix C**.

2.4.2 VOC Analytical Results

The air stripper influent carbon tetrachloride concentrations were similar to those observed during previous reporting periods. Carbon tetrachloride was detected at a concentration of 38 µg/l (estimated) concentration and 33 µg/l in the air stripper influent samples collected during the September 2007 and November 2007 sampling events, respectively. Carbon tetrachloride was below the detection limit in the air stripper effluent sample collected on September 18, 2007. Carbon tetrachloride was not detected above the reported limit, but at an estimated concentration of 0.1 µg/l in the air stripper effluent sample collected on November 2007. The drinking water system influent and effluent sample results for carbon tetrachloride are summarized below:

Analyte	Date Sampled	Influent (µg/l)	Effluent (µg/l)	Performance Standard (µg/l)
Carbon Tetrachloride	September 18, 2007	38 J	<1.0	5
	November 15, 2007	33 J	0.1 J	5

The air stripper influent TCE concentrations were slightly higher than those observed during previous reporting periods. TCE was detected at 48 µg/l (estimated) and 53 µg/l in the air stripper influent samples collected during the September 2007 and November 2007 sampling events, respectively. TCE was below the detection limit in the air stripper effluent sample collected on September 2007. TCE was not detected above the reported limit, but reported at an estimated concentration of 0.2 µg/l in the air stripper effluent sample collected on November 15, 2007. The drinking water system influent and effluent sample results for TCE are summarized below:

Analyte	Date Sampled	Influent (µg/l)	Effluent (µg/l)	Performance Standard (µg/l)
TCE	September 18, 2007	48 J	< 1.0	5
	November 15, 2007	53	0.2 J	5

The air stripper influent chloroform concentrations are similar to the chloroform influent concentrations observed during the previous reporting period. Chloroform was detected at concentrations of 4 µg/l and 5 µg/l in the air stripper influent samples collected during the September 2007 and November 2007 sampling events, respectively. Chloroform was below detection limits in the air stripper effluent samples collected in September 2007 and November 2007. The drinking water system influent and effluent sample results for chloroform are summarized below.

Analyte	Date Sampled	Influent (µg/l)	Effluent (µg/l)	Criteria (µg/l)
Chloroform	September 18, 2007	4	< 1.0	70
	November 15, 2007	5	< 1.0	70

Based upon analytical data collected during this reporting period, the drinking water system's removal efficiency was greater than 98% for all volatile organic analytes.

3.0 O&M OF REMEDIAL WORK ELEMENT II (Groundwater)

3.1 Sample Collection

Recent modifications to the EWMS monitoring program have been specified in *Addendum No. 1, Operations and Maintenance Manual, Remedial Work Element II- Groundwater, Malta Rocket Fuel Area Site, General Electric Company, January 31, 2005* (Addendum No. 1). In accordance with the *Operations and Maintenance Manual for Remedial Work Element II - Ground Water, ERM Northeast, Inc., January 22, 1998,* (O&M-GW) and Addendum No. 1, unfiltered groundwater samples were collected on October 16 and 17, 2007 from the Early Warning Monitoring System (EWMS). In accordance with the *Five-Year Review Report, Malta Rocket Fuel Area Superfund site, United States Environmental Protection Agency (EPA), September 24, 2004* (Five Year Review Report) including a table titled *"Proposed Modifications to Groundwater and Surface Water Sampling Regimes at the Malta Rocket Fuel Area Site"* and a letter from GE to the USEPA dated October 26, 2004, EWMS samples were collected from monitoring wells DGC-3S, DGC-4S, 4D, 11D, 13D, 14D, M-24D, M-25D, M-27D, M-29D, M-33S, and M-33I. Surface water locations SW-A, SW-B, SW-D, SW-E, SW-F and SW-G were also sampled (**Figure 1**). Blind duplicate samples were collected from well 13D (DUPE) for chromium and hexavalent chromium and for volatile organic compounds. Trip blanks, cooler blanks and matrix spikes were also analyzed.

Samples from all designated monitoring well sampling locations and surface water sampling locations were analyzed for volatile organic compounds (VOCs) by USEPA Method OLC-02.1 by Columbia Analytical Services, Inc. in Rochester, New York except for samples from well 13D. Samples from well 13D were analyzed for unfiltered total matrix chromium following CLP procedures and unfiltered hexavalent chromium by SW-846 Method 7196 (*Test Methods for Evaluating Solid Waste*, 3rd Edition, November 1986). Samples from monitoring well M-27D and surface water location SW-B were analyzed for VOCs, unfiltered total matrix chromium following CLP procedures and unfiltered hexavalent chromium.

Results of the October 2007 semi-annual EWMS sampling event are summarized in **Table 5**. The laboratory reports are presented in **Appendix B**. The data validation report is included in **Appendix C**. A summary of analytical results from 1987 through this reporting period for samples collected at locations currently included in the EWMS sampling program is provided in **Tables 6**, **7**, **8** and **9**.

In accordance with the O&M-GW, time vs. concentration plots for carbon tetrachloride at monitoring well M-27D are included as **Figure 2. Figures 3, 4** and **5** include comparisons of simulated versus observed concentrations of carbon tetrachloride at monitoring well M-27D, TCE at monitoring well M-33S and TCE at monitoring well M-33I, respectively.

3.2 Chromium Analytical Results

Results of the unfiltered total chromium analyses collected at well 13D indicated a detection of 5.2 µg/l. Samples collected at well M-27D and surface water location SW-B did not show a detection above the laboratory method detection limit. The results were below the New York State Ground Water Standard (NYSGWS) of 50 µg/l.

None of the sample locations analyzed for hexavalent chromium indicated a concentration above method detection limits. The NYSGWS for hexavalent chromium is 50 µg/l.

3.3 VOC Analytical Results

Carbon tetrachloride was detected in monitoring wells 11D, 13D, M-24D, M-25D, M-27D, and M-29D at concentrations of 13 µg/l, 1 µg/l, 9 µg/l, 65 µg/l, 10 µg/l, and 34 µg/l, respectively. All other sample locations showed non-detectable concentrations of carbon tetrachloride during the reporting period. Where detected carbon tetrachloride concentrations were similar to historical sampling results.

Chloroform was detected in wells M-24D, M-25D, M-27D, M-29D and 11D at concentrations of 0.4 µg/l (estimated concentration), 6 µg/l, 0.7 (estimated concentration), 3 µg/l and 2 µg/l, respectively. The remaining sampled monitoring wells did not show detectable concentrations for chloroform during this reporting period.

TCE was detected in monitoring wells M-25D, M-27D, M-29D and 11D at concentrations of 34 µg/l, 14 µg/l, 11 µg/l and 1 µg/l respectively. Trichlorofluoromethane was detected in monitoring well M-27D at an estimated concentration of 0.8 µg/l. 1,1,1-Trichloroethane was detected in monitoring well M-29D at a concentration of 3 µg/l. Concentrations of TCE, trichlorofluoromethane and 1,1,1-Trichloroethane were similar to historical sampling results. TCE, trichlorofluoromethane and 1,1,1-Trichloroethane were not detected at the remainder of the monitoring well locations during this reporting period.

No VOCs were detected in surface water samples SW-A, SW-E, SW-F and SW-G during the October 2007 sampling event. Carbon tetrachloride was detected in surface water sample SW-D at a concentration of 1 µg/l. TCE was detected in sample SW-B at an estimated concentration of 0.4 µg/l. The estimated results from SW-B were qualified by the laboratory and confirmed by the third party data validator as being estimated because the observed concentrations were less than the method reporting limit. Chloroform was not detected in samples collected from the surface water sample locations.

3.4 Comparison of Observed VOC Concentrations to Simulation Results

Carbon tetrachloride and TCE concentrations detected during this monitoring period were compared to the results from the contaminant fate and transport modeling reported in Appendix A of the O&M-GW. The comparison was performed for carbon tetrachloride in monitoring well M-27D (**Figure 3**). As shown in **Figure 3**, the simulated carbon tetrachloride results are much higher than the observed concentrations. A comparison was also performed for TCE in monitoring well M-33S (**Figure 4**) and M-33I (**Figure 5**). As predicted by the simulations, there were no observed concentrations of TCE in monitoring wells M-33S and M-33I.

3.5 Groundwater Gauging

The monitoring wells that were sampled were also gauged during the October 2007 sampling activities, however the preparation of groundwater contour maps is not required this year. Groundwater contour maps will be provided in 2008.

4.0 INSTITUTIONAL CONTROLS

O&M activities for remedial Work Element IV, Institutional Controls, are conducted on an annual basis in accordance with the *Operation and Maintenance Manual, Remedial Work Element IV, Institutional Controls, IT Corporation, Inc, September 9, 1999, revised September 27, 1999*.

Shaw conducted semi-annual visual inspections of the environmental restriction zone during groundwater sampling activities and conducted annual environmental easement restriction interviews with property owner representatives during the October 2007 semi-annual reporting period.

4.1 Sampling and Survey Results

On October 16 and 17, 2007, as part of the semi-annual EWMS sampling program, an inspection of site conditions in the environmental restriction zone (ERZ) for changes in property use or evidence of property development was performed. Specifically the property was inspected for the installation of new groundwater wells. The inspection was conducted on the following areas of the site:

- Proximate to the surface water sampling locations and monitoring well locations, as well as along the access roads and wooded paths leading to these locations.
- Proximate to Building 15 at the MRFA site.

Tree removal activities (logging) in the vicinity of the access roads and wooded paths leading to each of the monitoring wells and surface water locations was observed as well as tree removal and grading activities for new access roads to LFTCEDC property.

4.2 Interviews with Property Owners

Shaw personnel conducted telephone interviews with the following representatives:

- Mitchell Khosrova representing New York State Energy Research and Development Authority (NYSERDA) was interviewed on January 25, 2007.
- Kevin King, Town of Malta Comptroller, representing the Town of Malta was interviewed on January 8, 2008.

- Jon Kelley representing Saratoga Economic Development Corporation (owner of LFTCEDC) was interviewed on January 17, 2007.

Interview logs documenting the conversations with each of the property representatives are included in **Appendix E**. All three representatives stated that they were not aware of any new groundwater usage, or other actions, within the environmental restriction zone, that would impact the Environmental Restriction Easements and the Declaration of Restrictive Covenants.

5.0 SUMMARY

5.1 Drinking Water

The drinking water treatment system is operating effectively. The treatment equipment will continue to be monitored as necessary to ensure continued operation of all components and to maintain a reliable source of water for the Test Station. All of the effluent samples collected and analyzed as part of the performance monitoring during the current reporting period met the "treatment system performance standards".

5.2 EWMS

Based on the review of the analytical results from water samples collected during this reporting period, groundwater from the MRFA Site is not impacting the Luther Forest well field or the water supply wells located to the north of the Site. The analytical results from this reporting period are summarized as follows:

- Total chromium was detected at monitoring well 13D, however the total chromium detection was below the NYSGWS of 50 µg/l.
- Hexavalent chromium was not detected at any monitoring well location where hexavalent chromium was analyzed.
- Carbon tetrachloride was detected in monitoring wells 11D, 13D, M-24D, M-25D, M-27D, and M-29D at concentrations of 13 µg/l, 1 µg/l, 9 µg/l, 65 µg/l, 10 µg/l, and 34 µg/l, respectively. The NYSGWS for carbon tetrachloride is 5 µg/l. All other water sample locations were non-detect for carbon tetrachloride during the reporting period.
- Chloroform was not detected at any of the wells or surface water locations with the exception of detections at wells M-24D, M-25D, M-27D, M-29D and M-11D at concentrations of 0.4 µg/l (estimated), 6 µg/l, 0.7 µg/l (estimated), 3 µg/l and 2 µg/l, respectively. The NYSGWS for chloroform is 7 µg/l.
- TCE was not detected at any of the wells or surface water locations, with the exception of wells 11D, M-25D, M-27D, M-29D at concentrations of 1 µg/l, 34 µg/l, 14 µg/l, and 11 µg/l, respectively, and surface water location SW-B at estimated concentrations of 0.4 µg/l. The NYSGWS for TCE is 5 µg/l.
- Trichlorofluoromethane was detected at monitoring well M-27D at an estimated concentration of 0.8 µg/l. The NYSGWS for trichlorofluoromethane is 5 µg/l.
- 1,1,1-Trichloroethane was detected in monitoring well M-29D at a concentration of 3 µg/l. The NYSGWS for 1,1,1-Trichloroethane is 5 µg/l.

- As shown in **Figures 3, 4** and **5**, carbon tetrachloride and TCE concentrations detected during this monitoring period are lower than the simulated concentration presented by the model.

5.3 Institutional Controls

Representatives of LFTCEDC, NYSERDA, and the Town of Malta were not aware of any activities or conditions in the area of the site that might affect the Environmental Restriction Zone as controlled under the Environmental Restriction Easement and Declaration of Restrictive Covenants.

TABLES

TABLE 1
MAINTENANCE CHECKLIST
OPERATION AND MAINTENANCE PLAN
TEST STATION WATER SUPPLY AND TREATMENT SYSTEM
MALTA ROCKET FUEL AREA SITE

Equipment Name	Item	Action	Frequency	Comments
Well Pump 1D	Pump bowls	Check for signs of iron fouling & impeller wear	Annually	More frequently as problems occur
Well Pump 2D	Pump bowls	Check for signs of iron fouling & impeller wear	Annually	More frequently as problems occur
Control Valves	Miscellaneous	Inspect for leaks	Monthly	Exercise valves annually
Air Stripper Sight Tube		Inspect for siltation and biofouling	Monthly	Adjust frequency depending on operating experience
Air Stripper Spray Nozzle		Inspect for fouling	Annually	No required routine maintenance
Air Stripper Blower	Intake	Inspect and clean	Monthly	Adjust frequency depending on operating experience
Air Stripper Blower	Motor & bearings	Check and lubricate	Annually	More frequently as problems occur
Air Stripper Unit	Packing	Clean or replace	Every 5 years	Adjust frequency depending on operating experience

TABLE 1
MAINTENANCE CHECKLIST
OPERATION AND MAINTENANCE PLAN
TEST STATION WATER SUPPLY AND TREATMENT SYSTEM
MALTA ROCKET FUEL AREA SITE

Equipment Name	Item	Action	Frequency	Comments
Mist Eliminator	Mesh screen	Clean or replace	Annually	Adjust frequency depending on operating experience
Settling Tank		Inspect for siltation	Monthly	Adjust frequency depending on operating experience
Settling Tank High Level Float Switch		Check operation	Monthly	Replace float switch every 5 years
100K Gallon Reservoir		Inspect for siltation, debris, etc.	Annually	Adjust frequency depending on operating experience
Level Sensor	Probe	Manually check start-up/shutdown. Check probe float for free range of motion. Remove and inspect for buildup of minerals if resistance is detected.	Monthly	Adjust frequency depending on operating experience
Misc. Guys, Hardware etc.		Inspect	Annually	Adjust frequency depending on operating experience
System Interlocks	Settling Tank High Level Blower Low Pressure Blower Low Amps Building Low Temperature	Check for proper operation. System should alarm after pre-set delay period.	Monthly	Adjust frequency depending on operating experience

TABLE 2
EQUIPMENT LOG,
AIR STRIPPER MAINTENANCE
MALTA ROCKET FUEL AREA SITE

Date	Operator	Operational Status of System	Work Performed
7/13/07	Marc Flanagan	Arrival – OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
8/22/07	Marc Flanagan	Arrival – OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
9/18/07	Brian Neumann	Arrival – OK Departure – OK	Monthly O&M visit and system performance samples collected. System interlock testing performed – all OK.
10/16/07	Marc Flanagan & Robert Hyde	Arrival – OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
11/15/07	Marc Flanagan	Arrival – OK Departure – OK	Monthly O&M visit and system performance samples collected. System interlock testing performed – all OK.
12/04/07	Marc Flanagan	Arrival - OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.

TABLE 3
PROCESS OPERATING REPORT
WATER TREATMENT SYSTEM
MALTA ROCKET FUEL AREA SITE

1	2	3					4					5
DATE	TIME	WATER FLOW --LINE 1D					WATER FLOW --LINE 2D					PROBLEMS OR COMMENTS
		1D LINE FLOW METER RDG(GPM)	1D LINE TOTALIZER RDG(GAL)	ELAPSED TIME (DAYS)	TOTAL FLOW THIS PERIOD (GAL)	AVG FLOW THIS PERIOD (GPM)	2D LINE FLOW METER RDG(GPM)	2D LINE TOTALIZER RDG(GAL)	ELAPSED TIME (DAYS)	TOTAL FLOW THIS PERIOD (GAL)	AVG FLOW THIS PERIOD (GPM)	
6/14/2007	12:30	0.0	4,662,500	31	NA	NA	7.0	6,319,500	31	NA	NA	Recorded in previous report, replicated here for calculation purposes.
7/13/2007	9:00	1	4,664,000	29	1,500	0.04	7.4	6,362,200	29	42,700	1.02	
8/22/2007	13:00	1.5	4,671,700	40	7,700	0.13	7.2	6,406,000	40	43,800	0.76	
9/18/2007	14:00	1.25	4,677,100	27	5,400	0.14	6.0	6,432,400	27	26,400	0.68	
10/16/2007	9:30	1.0	4,681,200	28	4,100	0.10	6.8	6,460,500	28	28,100	0.70	
11/15/2007	9:45	1.4	4,685,600	30	4,400	0.10	6.8	6,489,400	30	28,900	0.67	
12/4/2007	13:00	1.2	4,688,900	19	3,300	0.12	7.2	6,511,700	19	22,300	0.82	
Summary				173	26,400	0.1060			173	192,200	0.7715	

NR = Not Recorded
NA = Not Applicable

TABLE 3
PROCESS OPERATING REPORT
WATER TREATMENT SYSTEM
MALTA ROCKET FUEL AREA SITE

1	2	3			4	5
DATE	TIME	STANDPIPE LEVEL (FT)	LEVEL PROBE OK ?	SAMPLES TAKEN ?	AIR BLOWER PRESSURE OK?	PROBLEMS OR COMMENTS
7/13/2007	9:00	12 - 13	Yes	No	Yes-3.0	Monthly O&M visit. Interlock checks OK
8/22/2007	13:00	12 - 13	Yes	No	Yes-3.0	Monthly O&M visit. Interlock checks OK
9/18/2007	14:00	~12.7	Yes	Yes	Yes-2.9	Monthly O&M visit. Collect one month late quarterly system samples.
10/16/2007	9:30	12 - 13	Yes	No	Yes-3.0	Monthly O&M visit. Interlock checks OK
11/15/2007	9:45	12 - 13	Yes	Yes	Yes-3.0	Monthly O&M visit and system sample collection.
12/4/2007	13:00	12 - 13	Yes	No	Yes-3.0	Monthly O&M visit. Interlock checks OK

TABLE 4
SUMMARY OF DRINKING WATER SAMPLING PROGRAM, PRESERVATIVES, HOLDING TIMES AND CONTAINERS
MALTA ROCKET FUEL AREA SITE

Sample	Sampling Frequency	Sample Matrix	Analytical Parameters	Analytical Method Reference[1]	Sample Preservation	Holding Times[2]	Containers
Influent	1 per quarter	Water	CLP OLC VOCs	USEPA CLP OLCO2	Hcl, Cool, <4^{o}C	14 days	3 - 40 ml glass vials with teflon septa and plastic screw caps
Effluent	1 per quarter	Water	CLP OLC VOCs	USEPA CLP OLCO2	Hcl, Cool, <4^{o}C	14 days	3 - 40 ml glass vials with teflon septa and plastic screw caps

Notes:

1. *USEPA CLP OLCO2 analysis modified to include hexachlorobutadiene, 1,2,3 trichlorobenzene and trichlorofluoromethane to match the EWMS ground water analyses.*
2. *Holding times begin at the time of sample collection.*

TABLE 5
OCTOBER 2007 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	DGC-3S	DGC-4S	4D	11D	13D	DUPE (13D)	14 D	M-24D	M-25D	M-27D
Acetone	50	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	12 UJ	5 UJ
Carbon Disulfide	None*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	13	1	1	1 U	9	65	10
Chloroform	7	1 U	1 U	1 U	2	1 U	1 U	1 U	0.4 J	6	0.7J
2-Butanone	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	12 UJ	5 UJ
Trichloroethene	5	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	34	14
Trichlorofluoromethane	5*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	0.8J
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
1,1-Dichloroethene	NP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Chromium	50*	NA	NA	NA	NA	5.2 B	4.9 B	NA	NA	NA	1.9 U
Hexavalent Chromium	50*	NA	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
Field Parameters											
pH	--	6.94	7.74	7.87	7.52	7.77	--	7.83	7.82	7.64	7.79
Temperature (celsius)	--	10.41	10.53	12.94	9.43	9.83	--	9.31	9.14	9.34	9.10
Conductivity (umhos/cm)	--	0.117	0.207	0.230	0.344	0.261	--	0.256	0.247	0.351	0.229
Dissolved Oxygen	--	3.58	5.59	12.62	9.48	0.30	--	12.53	10.68	5.99	10.95
Turbidity (NTUs)	--	5.1	29.3	0.0	0.0	64	--	0.0	0.0	0.0	0.0
Depth To Water (feet)	--	14.80	6.72	35.32	27.2	33.95	--	40.32	30.45	27.30	36.22
Ground Water Elevation (feet)	--	191.00	199.08	292.23	292.48	295.32	--	301.05	290.12	287.16	268.05

Notes:
1. All analytical concentrations are in µg/l (micrograms per liter (ppb)).
2. Only compounds detected at one or more sampling points are listed.
3. NA - not analyzed for.
4. U - analyte was not detected, and value shown is the detection limit.
5. J - estimated value due to data validation requirements or concentration less than CRQL (organics only).
6. B - The reported value is less than the CRDL but greater than the IDL (inorganics only).
* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.
7. D - Indentifies all compounds analyzed at a secondary dilution factor.
8. NM - Not measured due to equipment malfunction.
9. NP - Not promulgated.

TABLE 5
OCTOBER 2007 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	M-29D	M-33S	M-33I	Trip Blank 1	Trip Blank 2	Cooler Blank	SW-A	SW-B	SW-D	SW-E	SW-F	SW-G
Acetone	50	10 UJ	5 UJ	5 UJ	3 J	3 J	3 J	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Carbon Disulfide	None*	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	34	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	5	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	5	11	1 U	1 U	1 U	1 U	1 U	1 U	0.4 J	1 U	1 U	1 U	1 U
Trichlorofluoromethane	50*	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	5	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	NP	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	1.9 U	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Field Parameters													
pH	--	7.77	8.37	8.54	--	--	--	NM	7.85	7.56	7.20	7.04	6.34
Temperature (celsius)	--	10.10	9.12	9.43	--	--	--	NM	10.44	9.50	11.20	10.18	8.62
Conductivity (umhos/cm)	--	0.301	0.137	0.157	--	--	--	NM	0.220	0.264	0.350	0.190	0.194
Dissolved Oxygen	--	8.25	8.48	7.64	--	--	--	NM	12.72	12.23	5.99	10.63	12.15
Turbidity (NTUs)	--	0.0	0.0	0.0	--	--	--	NM	0.0	0.0	10	0.0	2.0
Depth To Water (feet)	--	42.50	12.83	28.20	--	--	--	NA	NA	NA	NA	NA	NA
Ground Water Elevation (feet)	--	292.16	291.44	275.49	--	--	--	NA	NA	NA	NA	NA	NA

Notes:
1. All analytical concentrations are in µg/l (micrograms per liter (ppb)).
2. Only compounds detected at one or more sampling points are listed.
3. NA - not analyzed for.
4. U - analyte was not detected, and value shown is the detection limit.
5. J - estimated value due to data validation requirements or concentration less than CRQL (organics only).
6. B - The reported value is less than the CRDL but greater than the IDL (inorganics only).
* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.
7. D - Indentifies all compounds analyzed at a secondary dilution factor.
8. NM - Not measured due to equipment malfunction.
9. NP - Not promulgated.

TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
JUNE 1987 - OCTOBER 2007
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	6/29-7/1/1987	7/31/87	11/5/87	1/19-1/20/1988	4/18-4/19/1988	7/20-7/21/1988	10/11-10/12/88	1/19-1/20/89	4/10/89	7/12/89
DGC-3S											
Benzene	0.7*	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
Aluminum	100*	0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	<0.005 mg/L	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
DGC-4S											
Carbon Disulfide	None*	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Chromium	50*	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
13S											
Benzene	0.7*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

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Only detected compounds are listed.
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E = Estimated concentration: due to interference.
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TABLE 6
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MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
JUNE 1987 - OCTOBER 2007
SEMI-ANNUAL SAMPLING

Wells / Compounds DGC-3S	Remedial Action Objective	11/30/1989	5/30/90	8/28/90	12/6/90	4/8-4/10/1991	6/12-6/13/1991	9/23-9/24/1991	12/26-12/27/91	2/10-2/11/92	6/1-6/2/1992	9/28-9/29/1992
Benzene	0.7*	ND	ND	ND	ND	ND	ND	0.2 J	ND	ND/NDdp	ND	ND
Carbon Disulfide	None*	ND	ND	ND	NA	8 V / 7 Vdp	4	ND	ND	ND/NDdp	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	6.1	62.2E/70.3Edp	16.2/ND*, 14.6/ND*dp	25.2/ND*	ND
Hexavalent Chromium	50*	no data	NA	NA	NA	NA	NA	NA	NA	ND/4*/ND dp	NA	NA
DGC-4S												
Carbon Disulfide	None*	- -	- -	- -	- -	ND/0.5Vdp	ND	ND	ND	ND	ND	ND/ND dp
Chromium	50*	- -	- -	- -	- -	NA	NA	15.9	11.9 E	ND/ND*	ND/ND*	ND/ND dp
13S												
Benzene	0.7*	NA	NA	NA	NA	2	0.7/0.6 Jdp	1	ND	ND	ND	ND
Carbon Disulfide	None*	NA	NA	NA	NA	60 D	0.6	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	NA	18/16 dp	6.4	4.4	8	24 J/24 Jdp	8	12	9	6 J	9
Chloroform	7	NA	ND	ND	ND	ND	0.8/0.9 Jdp	ND	0.4 J	0.3 J	ND	ND
Trichloroethene	5	NA	ND	ND	ND	ND	ND	0.4 J	0.9	0.6	ND	0.6
Trichlorofluoromethane	5*	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5
Chromium	50*	NA	NA	NA	NA	336 V	NA	269/261**	316 E/562 E**	282/498**	504/512**	179/172**
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	280	486/302**	260/310**	NA	287

Notes:

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TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
JUNE 1987 - OCTOBER 2007
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	11/18-11/19/1992	3/17-3/18/1993	5/25-5/26/1993	8/24-8/25/1993	11/8-11/9/1993	2/22-2/23/1994	5/18-5/19/1994	8/24-8/25/1994	11/15-11/16/1994	5/23/1995	10/17/1995
DGC-3S												
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND V	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	0.8	ND	ND	ND V	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	33.6/ND*	18.5	4.3 B	4.7B	19.4	23.9	4.5 B	9.9 B	11.1	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S												
Carbon Disulfide	None*	4 V	ND	0.3 J	0.2J	ND	ND	ND V/ND V dp	ND	ND	ND	ND
Chromium	50*	8.6 B	48.1/ND*	ND	3.3B	ND	31.2/ND*	ND/ND dp	5.6 B	ND	NA	NA
13S												
Benzene	0.7*	0.4 JV	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	NA	NA
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	NA	NA
Carbon Tetrachloride	5	16 V	15	10	17	18	20/9 dp	9	9	9	NA	NA
Chloroform	7	0.6 V	0.6	0.4 J	0.6	0.7	ND/ND dp	0.4 J	0.3 J	ND	NA	NA
Trichloroethene	5	1 V	2	0.6	ND	2	2/1 dp	0.8	1	0.9	NA	NA
Trichlorofluoromethane	5*	0.9 V	2	0.5	ND	2	2/1 dp	0.9	1	ND	NA	NA
Chromium	50*	585/576**	746/614**	198/609**	787/716**	572/610**	580/357** 567/357** dp	406/434**	133 V/157 V**	44.2 V/95.8 V**	140 J	52.7 J
Hexavalent Chromium	50*	493	663	460	800	560	530/540 dp	340	101	36	150	48

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TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
JUNE 1987 - OCTOBER 2007
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	5/14/1996	10/23/1996	6/2/1997	10/14/1997	5/28/1998	10/29/1998	5/11/1999	10/26/1999	5/22/2000	10/24/2000	5/15/2001
DGC-3S												
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S												
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13S												
Benzene	0.7*	NA	NA	1U	1U	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	None*	NA	NA	1U	1U	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5	NA	NA	1U	8	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	1U	1U	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	44.8	46.4	90.7/90.9**	71.4	71.2	98.6 J	72.4	169	249	29.9	136
Hexavalent Chromium	50*	47	47	97	67	51	54.0 J	71.0	178	262	41	12.3

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TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
JUNE 1987 - OCTOBER 2007
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	10/23/2001	5/29/2002	10/29/2002	4/9/2003	10/9/2003	5/25/2004	11/2004	5/24/2005	10/2005	5/23/2006	10/16/2006	5/14/2007
DGC-3S													
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S													
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13S													
Benzene	0.7*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Carbon Tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Chromium	50*	43.3	13.4	34.8	52.2	49.4	20.1	NA	NS	NS	NS	NS	NS
Hexavalent Chromium	50*	43.6 J	18	3.59	45	51.5	11	11.2	NS	NS	NS	NS	NS

Notes:

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E = Estimated concentration: due to interference.
D = Concentration determined from a sample dilution.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
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TABLE 7
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2007
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	6/5/1992	11/11/1992	3/14/1994	5/23/1995	10/17/1995	5/14/1996	10/23/1996	6/2/1997	10/14/1997	5/28/1998	10/29/1998	5/11/1999
Carbon Disulfide	None*	ND	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	0.85 J
Chloromethane	5	40	ND	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50*	8.4 B/ND**	57.4/ND**	not sampled	ND	ND	ND	ND	ND	ND	ND	3.2 BJ	0.98B
Hexavalent Chromium	50*	NA	NA	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-27D													
Carbon Tetrachloride	5	75/62 dp	23	not sampled	33/42 dp	56	31	28	26	22	27	26 / 27 dp	20.3 / 20.1 dp
Chloroform	7	ND	3	not sampled	4/4 dp	5	3	3	3	2	3	2 / 2 dp	1.8 / 1.8 dp
Chloromethane	5	4 J/28 dp	ND	not sampled	ND/ND dp	ND	ND	ND	ND	ND	ND	ND / ND	ND / ND dp
Trichloroethene	5											ND/ND dp	4.1/4.1 dp
Trichlorofluoromethane	5*	no data	no data	not sampled	no data	no data	no data	no data	no data	no data	no data	0.3 J / 0.3 J dp	0.92J / 0.99J dp
Chromium	50*	2.0 B/ND** 2.0 B/ND** dp	19.8/ND**	not sampled	ND/ND dp	ND	ND	ND	ND	1.2B	ND	4.6 BJ / 4.8 BJ dp	1.4 B / 1.3 B dp
Hexavalent Chromium	50*	NA	NA	not sampled	ND/ND dp	ND	ND	ND	ND	ND	ND	ND / ND dp	ND / ND dp
M-33S													
VOCs	-	not sampled	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-33I													
VOCs	-	not sampled	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

J = Estimated concentration.

dp = Duplicate sample.

B = The reported value is less than the CRQL/CRDL but greater than the IDL.

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TABLE 7
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2007
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	10/26/1999	5/22/2000	10/24/2000	5/15/2001	10/23/2001	5/29/2002	10/29/2002	4/15/2003	10/9/2003	5/25/2004	11/2004	5/24/2005	10/2005	5/23/2006	10/16/2006	5/14/2007	10/16/2007
Carbon Disulfide	None*	ND / ND dp	ND	ND	ND / ND dp	ND / ND dp	ND / ND dp	ND J / ND J dp	ND	ND / 0.11 J dp	ND	NA	NA	NA	NA	NA	NA	NA
Chloromethane	5	ND / ND dp	ND	ND	ND / ND dp	ND / ND dp	ND / ND dp	ND J / ND J dp	ND	ND / ND dp	ND	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	0.85B/0.90b dp	1.1B	1.2B	ND / ND dp	ND / ND dp	ND / ND dp	1.2 B	8.5 B	1.0 B / 1.8 B dp	83.1	2.6 B / 2.2 B dp	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	ND / ND dp	ND	ND	ND / ND dp	ND / ND dp	ND / ND dp	ND / ND dp	ND UJ	ND U / ND dp	ND	ND	NA	NA	NA	NA	NA	NA
M-27D																		
Carbon Tetrachloride	5	22.3	26.7D/28.9D dp	19.2/19.8 dp	13.8	16.2	14.5	24.2 DJ	5.1 / 4.5 dp	16.6	3 / 2.7 dp	22.1	21	13	22	12	15	10
Chloroform	7	1.8	ND / ND dp	1.7J /1.3 dp	1.1	1.1	0.94J	2.4	ND / ND dp	1.0	0.53 JB / 0.55 JB dp	ND	ND	ND	2	0.76J	2	0.7J
Chloromethane	5	ND	ND / ND dp	ND / ND dp	ND	ND	ND	ND	ND ND dp	ND	ND ND dp	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	10.7	12.8 / 12.1 dp	26.4 /26.5D dp	19.4	27 D	22.7	14	2.4 / 2.2 dp	21.8 D	3.2 / 2.9 dp	22.7	18	24	16	21	15	14
Trichlorofluoromethane	5*	1.4	1.9 / 1.8 dp	2.9 / 2.9 dp	2.0	2.2	1.5	0.96 J	0.21J / 0.18J dp	2.3	0.27 J / 0.29 J dp	2.3	1.3	1.0	1 J	1.0	0.9J	0.8J
Chromium	50*	0.81B	2B/1.8B dp	1.2B/1.2B dp	ND	1.5 B	2 B	1.5 B	5.9B / 6.1B dp	1.2 B	22.6 / 21.3 dp	2.6 B	1.7 B	1.6 B	2.7	1.7 BJ	ND	ND
Hexavalent Chromium	50*	ND	ND/ND dp	ND/ND dp	ND	ND	ND	ND	ND / ND dp	ND	ND / ND dp	ND	ND	ND	ND	ND	ND	ND
M-33S																		
VOCs	-	ND	ND	ND	8.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-33I																		
VOCs	-	ND	ND	ND	4.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Units are ug/l (ppb) unless otherwise stated.

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

J = Estimated concentration.

dp = Duplicate sample.

B = The reported value is less than the CRQL/CRDL but greater than the IDL.

D = Indentifies compound analyzed at a secondary dilution factor.

* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.

** = Filtered Sample.

TABLE 8
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS 4d, 11d, m-24d, m-25d, m-29d, 13d
JUNE 1992 - OCTOBER 2007
SEMI-ANNUAL SAMPLING

Surface Water Points / Compounds	Cleanup	6/29-			1/19-	4/18-	7/20-	10/11-	1/19-										4/8-
SW-A	**Standard**	**7/1/1987**	**7/31/87**	**11/5/87**	**1/20/1988**	**4/19/1988**	**7/21/1988**	**10/12/88**	**1/20/89**	**4/10/89**	**7/12/89**	**8/15/1989**	**11/30/1989**	**12/27/1989**	**2/22/1990**	**5/30/90**	**8/28/90**	**12/6/90**	**4/10/1991**
Carbon Disulfide	None*	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 V
Aluminum	100*	0.12 mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	no data	no data	no data	no data	no data	no data
Lead	25*	NA	NA	NA	NA	0.02 mg/L	NA	NA	NA	NA	NA	NA	NA	no data	no data	no data	no data	no data	no data
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-B																			
Carbon Disulfide	None*	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Carbon Tetrachloride	5	ND	NA	ND	ND	ND	ND	ND	1.1/1.1dp	ND	ND	ND	0.9	NA	0.88	ND	ND	1	0.4 J
Chloroform	7	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Aluminum	100*	0.21 mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	no data	no data	no data	no data	no data	no data
Lead	25*	NA	NA	NA	NA	<0.01 mg/L	NA	NA	NA	NA	NA	NA	NA	no data	no data	no data	no data	no data	no data
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-D																			
Acetone	5*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Bromochloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7, ND dp	no data	no data	no data	no data	no data	no data
Carbon Disulfide	None*	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.6*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Methylene Chloride	5*	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Aluminum	100*	0.50 mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	no data	no data	no data	no data	no data	no data
Lead	25*	NA	NA	NA	NA	<0.005 mg/L	NA	NA	NA	NA	NA	NA	NA	no data	no data	no data	no data	no data	no data
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
SW-E (See O&M Manual Addendum No. 1)																			
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-F (See O&M Manual Addendum No. 1)																			
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-G (See O&M Manual Addendum No. 1)																			
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

Units are µg/l (ppb) unless otherwise stated.

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not Sampled.

dp = Duplicate sample.

B = The reported value is less than the CRQL/CRDL but greater than the IDL.

D = Concentration determined from a sample dilution.

E = Estimated concentration : due to interference.

J = Estimated concentration.

V = Estimated concentration: due to variance to quality control limits.

R = Rejected during data validation.

* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.

** = Filtered Sample.

See RI report for additional data.

TABLE 8
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS 4d, 11d, m-24d, m-25d, m-29d, 13d
JUNE 1992 - OCTOBER 2007
SEMI-ANNUAL SAMPLING

Surface Water Points / Compounds	Cleanup	6/12-	9/23-	12/26-	2/10-	6/1-	9/28-	11/18-	3/17-	5/25-	8/24-	11/8-	2/22-	5/18-	8/24-	11/15-				
SW-A	**Standard**	**6/13/1991**	**9/24/1991**	**12/27/91**	**2/11/92**	**6/2/1992**	**9/29/1992**	**11/19/1992**	**3/18/1993**	**5/26/1993**	**8/25/1993**	**11/9/1993**	**2/23/1994**	**5/19/1994**	**8/25/1994**	**11/16/1994**	**5/23/1995**	**10/17/1995**	**5/14/1996**	**10/23/1996**
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Lead	25*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Chromium	50*	NA	6.6	ND	ND	ND	ND	ND	6.1 B	ND	3.2B	ND	ND	ND	ND	ND	NA	NA	NA	NA
SW-B																				
Carbon Disulfide	None*	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	ND	ND/ND dp	ND	ND
Carbon Tetrachloride	5	0.6 J	0.4 J	0.8	0.8	0.7	0.3 J	0.6 V	ND	ND	0.3 J	0.7	0.4 J/0.4 J dp	0.4 J	0.2 JV	ND	ND	0.7 J/0.6 J dp	ND	0.6J
Chloroform	7	0.2 J	ND	ND	ND	0.2 J	ND	ND	ND	ND	ND	0.3 J	ND/ND dp	ND	ND	ND	ND	ND/ND dp	ND	ND
Trichloroethene	5	0.3 J	ND	0.2 J	ND	0.3 J	ND	ND	ND	ND	ND	0.2 J	ND/ND dp	ND	ND	ND	ND	ND/ND dp	ND	ND
Trichlorofluoromethane	5*	no data	no data	no data	no data	no data	ND	ND	2	ND	ND	ND	ND/ND dp	ND	ND V	ND	ND	ND/ND dp	ND	ND
Aluminum	100*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Lead	25*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Chromium	50*	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	ND	ND/ND dp	ND	ND
SW-D																				
Acetone	5*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Bromochloromethane	5*	no data	no data	no data	no data	no data	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	NA	ND	ND	ND	ND	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	ND	ND
1,2-Dichloroethane	0.6*	no data	no data	no data	no data	no data	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND
Methylene Chloride	5*	NA	ND	6.3 BE	ND	ND	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	ND	ND
1,2,3-Trichlorobenzene	5*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Aluminum	100*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Lead	25*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Chromium	50*	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
SW-E (See O&M Manual Addendum No. 1)																				
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-F (See O&M Manual Addendum No. 1)																				
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-G (See O&M Manual Addendum No. 1)																				
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

Units are µg/l (ppb) unless otherwise stated.

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not Sampled.

dp = Duplicate sample.

B = The reported value is less than the CRQL/CRDL but greater than the IDL.

D = Concentration determined from a sample dilution.

E = Estimated concentration : due to interference.

J = Estimated concentration.

V = Estimated concentration: due to variance to quality control limits.

R = Rejected during data validation.

* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.

** = Filtered Sample.

See RI report for additional data.

TABLE 8
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS 4d, 11d, m-24d, m-25d, m-29d, 13d
JUNE 1992 - OCTOBER 2007
SEMI-ANNUAL SAMPLING

Surface Water Points / Compounds	Cleanup Standard	6/2/1997	10/14/1997	5/28/1998	10/29/1998	5/11/1999	10/26/1999	5/22/2000	10/24/2000	5/15/2001	10/23/2001	5/29/2002	10/29/2002	4/9/2003	10/9/2003	5/25/2004	11/2004	5/24/2005	10/2005	10/2006	10/16/2007
SW-A																					
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	NA	ND	ND	ND
Aluminum	100*	no data	no data	no data	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	no data	no data	no data	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-B																					
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	0.3J	ND	ND	ND	ND	0.54 J	ND	ND	ND	0.18 J	0.34 J	0.27 J	0.38 J	0.43 J	NA	0.5 J	0.36 J	ND
Chloroform	7	ND	ND	0.1J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20 J	ND	NA	ND	ND	ND
Trichloroethene	5	ND	ND	0.2J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20 J	0.19 J	0.28 J	0.27 J	NA	0.3 J	0.25 J	0.4J
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Aluminum	100*	no data	no data	no data	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	no data	no data	no data	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	ND	ND	3.1 BJ	0.44 B	ND	0.9 B	0.75 B	ND	ND	1.5 B	0.93 B	1.0 B	0.75 B	2.1 B	0.94 B	NA	0.5 B	0.70 UJ	ND
SW-D																					
Acetone	5*	no data	no data	43 J	R	ND	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	NA	ND	ND	ND
Bromochloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Carbon Tetrachloride	5	no data	no data	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.30 J	1
1,2-Dichloroethane	0.6*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Methylene Chloride	5*	no data	no data	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
1,2,3-Trichlorobenzene	5*	no data	no data	0.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Aluminum	100*	no data	no data	no data	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	no data	no data	no data	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-E (See O&M Manual Addendum No. 1)																					
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.0	NA	0.6 J	0.74 J	ND
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NA	ND	ND	ND
SW-F (See O&M Manual Addendum No. 1)																					
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NA	ND	ND	ND
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NA	ND	ND	ND
SW-G (See O&M Manual Addendum No. 1)																					
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NA	ND	ND	ND
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NA	ND	ND	ND

Notes:

Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
NA = Not analyzed.
ND = Not detected.
NS = Not Sampled.
dp = Duplicate sample.
B = The reported value is less than the CRQL/CRDL but greater than the IDL.
D = Concentration determined from a sample dilution.
E = Estimated concentration : due to interference.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
R = Rejected during data validation.
* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.
** = Filtered Sample.
See RI report for additional data.

TABLE 9
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D
JUNE 1992 - OCTOBER 2007
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action Objective	6/1-6/2/1992	11/18-11/19/1992	11/2004	5/24/2005	10/24/2005	5/23/2006	10/16/2006	5/14/2007	10/1
4D										
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	!
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	!
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	!
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	!
11D										
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	!
Carbon Tetrachloride	5	ND	6	4.6	13	14	15	12	12	
Chloroform	7	ND	3	ND	4.0	3.0	4.0	3.0	3	
Trichloroethene	5	9J	7	ND	0.8 J	0.9J	1 J	2.0	1	
M-24D										
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	!
Carbon Tetrachloride	5	10	0.7	0.59 J	10	10	11	11	10	
Chloroform	7	ND	ND	ND	0.6 J	0.5J	0.5 J	0.44 J	0.4 J	0
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	!
M-25D										
Acetone	50	ND	ND R	ND	ND	ND	49 D*	25 JD	ND	!
Carbon Tetrachloride	5	48	27R	86.8 D	81 D	91	76 D*	71 D	60	
Chloroform	7	ND	3R	8.7	8.0	9.0	8 D*	7 D	7	
Trichloroethene	5	3J	8R	16.1	35 D	37	28 D*	22 D	31	
M-29D										
Acetone	50	ND	ND R	ND	ND	ND	16 D*	ND	ND	!
Carbon Tetrachloride	5	79	84	10.8	38 D	37	39 D*	33 D	32	
Chloroform	7	ND	14	ND	4.0	5.0	5 D*	4 D	3	
Trichloroethene	5	19	24	6.0	14	13	14 D*	12 D	11	
13D										
Chromium	50*	98.4	38.9 J	4.5 B	78.3	60.8 J	11	17.1	25.3	5
Hexavalent Chromium	50*	NA	NA	10 U	10 U	10 U	10 U	14.2	10 U	1

Notes:

Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
See Remedial Investigation report for additional c
NA = Not analyzed.
ND = Not detected.
NS = Not sampled.
B = The reported value is less than the CRQL/CR
dp = Duplicate sample.
E = Estimated concentration: due to interference.
R = Analysis rejected

D* = Concentration determined from a sample dilution.
J = Estimated concentration.
V = Estimated concentration: due to variance to quality control limits.
- - = Not sampled: well installed in December, 1990.
* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1998), identified for comparison purposes only.
** = Filtered Sample.

FIGURES

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
ALBANY, NY	S. SHKOLNIK 02/08/07			810066D5

ROUTE 9P

COLD SPRINGS WELLS

COLD SPRINGS ROAD

CRAMER ROAD

SW-E

SW-F

SW-G

7

8

6a

6b

M-33S/33I

LUTHER FOREST
RESIDENTIAL
DEVELOPMENT

M-26S/26D

M-11S/11D

M-24S/24D

3S

M-15

M-31S/31D

M-34

M-28S/28D

MW-4

4S/4D

M-18

M-30

M-1/14D

M-32

M-29S/29D

M-17

2S

M-19

MW-3

RW-1D

M-16

MW-2

M-23

M-35S/35I

M-25S/25D

10S/10D

13S/13D

RW-2D

3S/3D

PLAINS ROAD

M-22

M-21

M-20

1a

1b

SW-D

M-27S/27D

2b

2c

SW-B

SW-A

DGC-3S

DGC-4S

PW-4

PW-3

PW-2

PW-1

PW-6

KNAPP ROAD

N

LEGEND

- RECOVERY WELL
- SINGLE WELL LOCATION
- DGC-4S WELL PAIR LOCATION & ID#
- PW-2 PUMPING WELL LOCATION & ID#
- LUTHER FOREST WELL FIELD
- SW-D SURFACE WATER SAMPLE LOCATION & ID#
- 6b RAVINE LOCATION & ID#
- APPROXIMATE MRFA SITE BOUNDARY
- 250' GROUND SURFACE CONTOUR LINE
- ENVIRONMENTAL RESTRICTION BOUNDARY

NOTE:
LOCATIONS OF RW-1D AND RW-2D ARE APPROXIMATE.

REFERENCE:
BASE MAP SOURCE: ERM-NORTHEAST
ENVIRONMENTAL RESOURCES MANAGEMENT

APPROXIMATE SCALE
0 700 1400 2100 FEET

DRAWING NOT TO SCALE

Shaw Environmental, Inc.

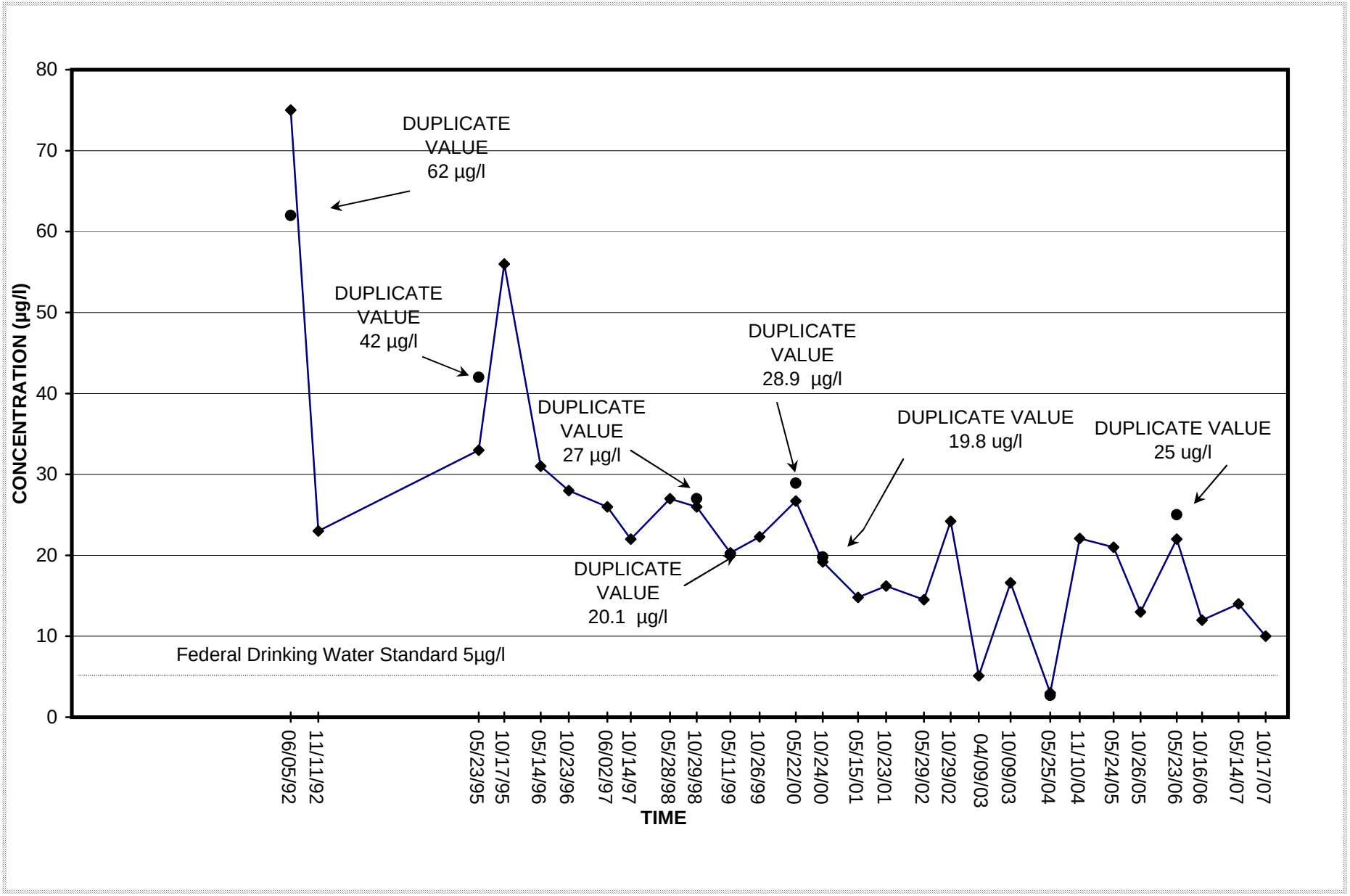
MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

FIGURE 1
SITE LOCATION MAP

L:\project\MRFA\810066D5.dwg
Plot Date/Time: 01/17/08 02:35pm
Format Revised: 11/23/99

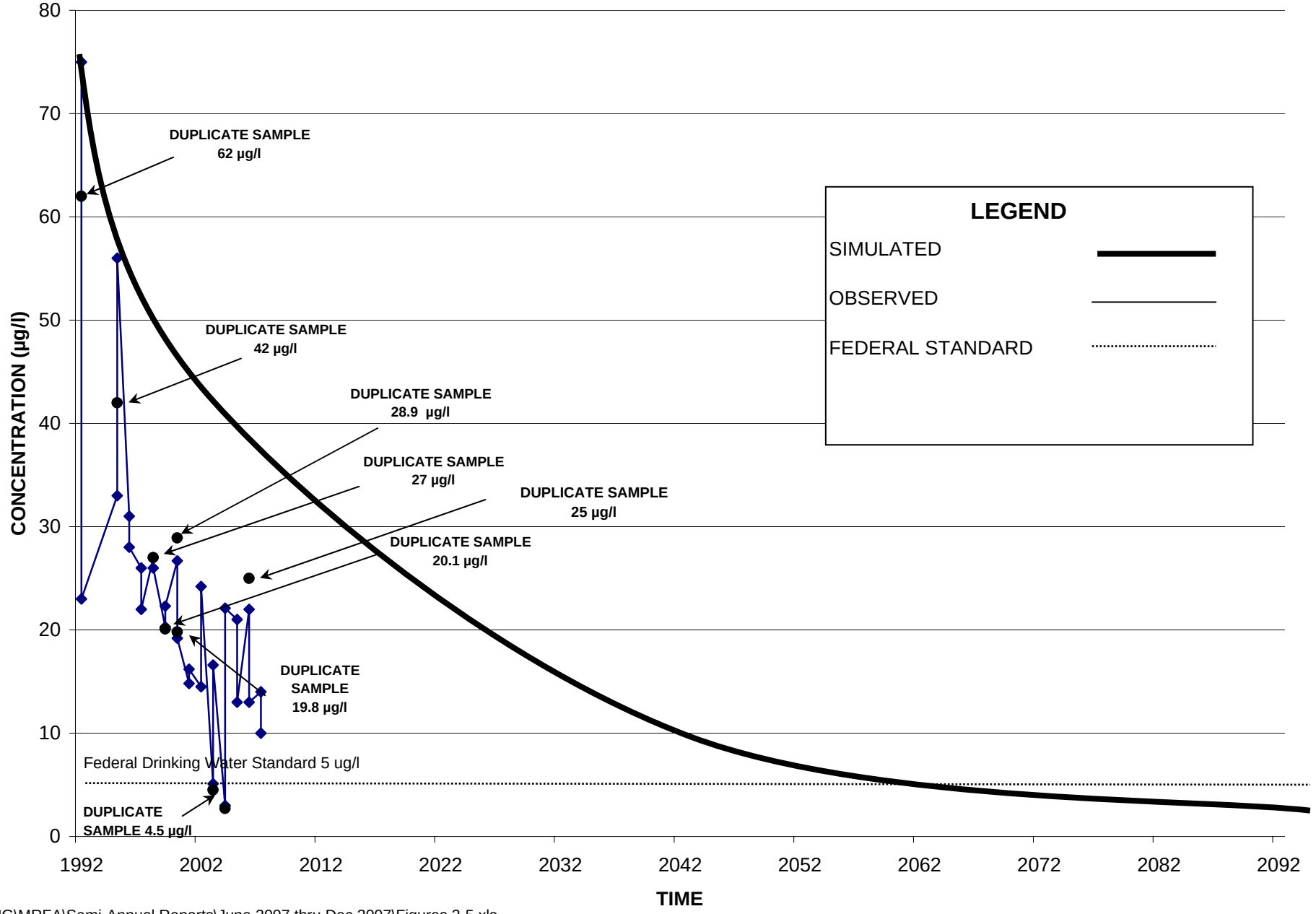
Image: .
Xref: .

FIGURE 2
WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS



X:\MG\MRFA\Semi-Annual Reports\June 2007 thru Dec 2007\Figures 2-5.xls

FIGURE 3
SIMULATED VERSUS OBSERVED (OCTOBER 2007)
CARBON TETRACHLORIDE CONCENTRATIONS
AT WELL M-27D



X:\MG\MRFA\Semi-Annual Reports\June 2007 thru Dec 2007\Figures 2-5.xls

FIGURE 4
SIMULATED VERSUS OBSERVED (OCTOBER 2007)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33S

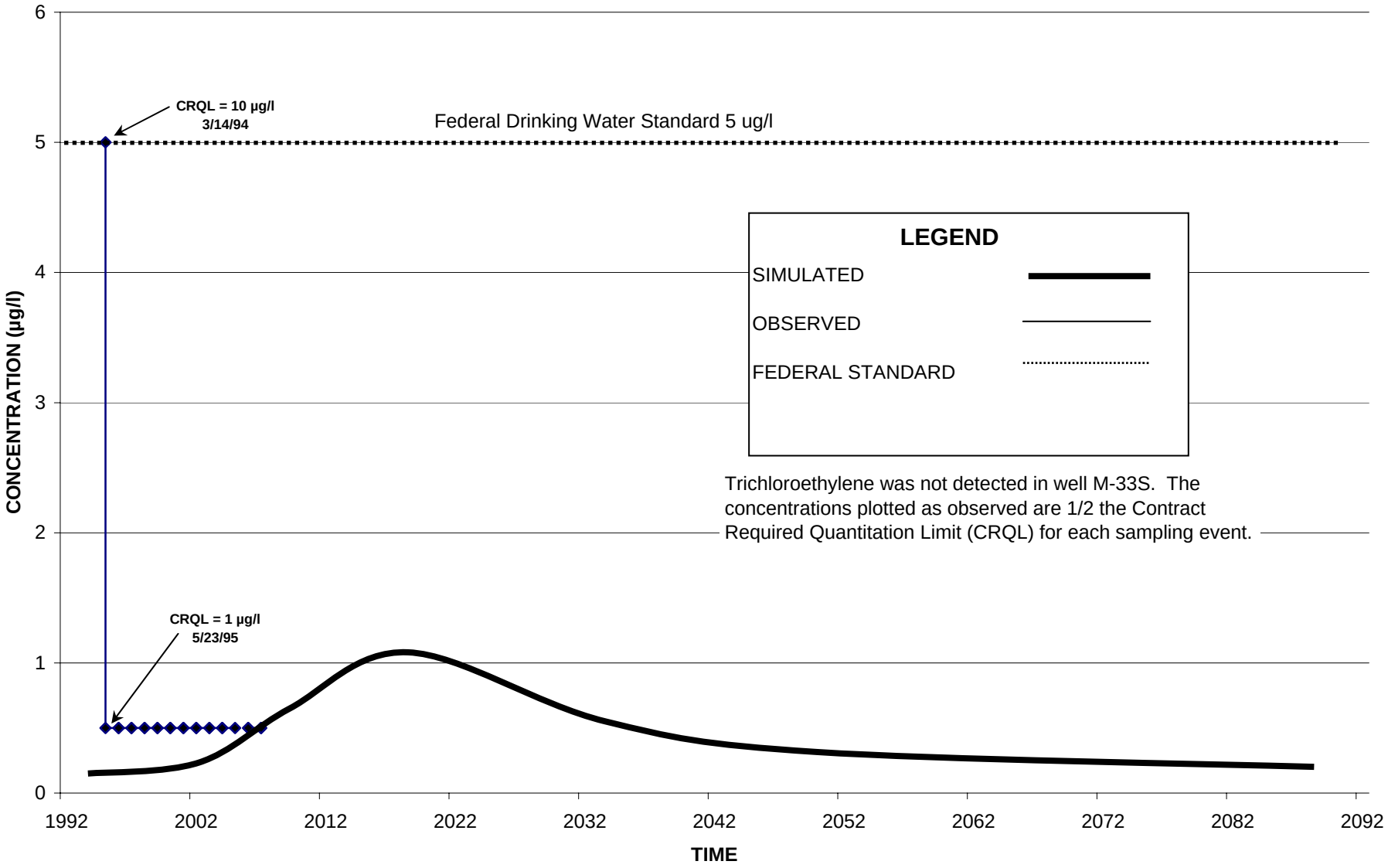


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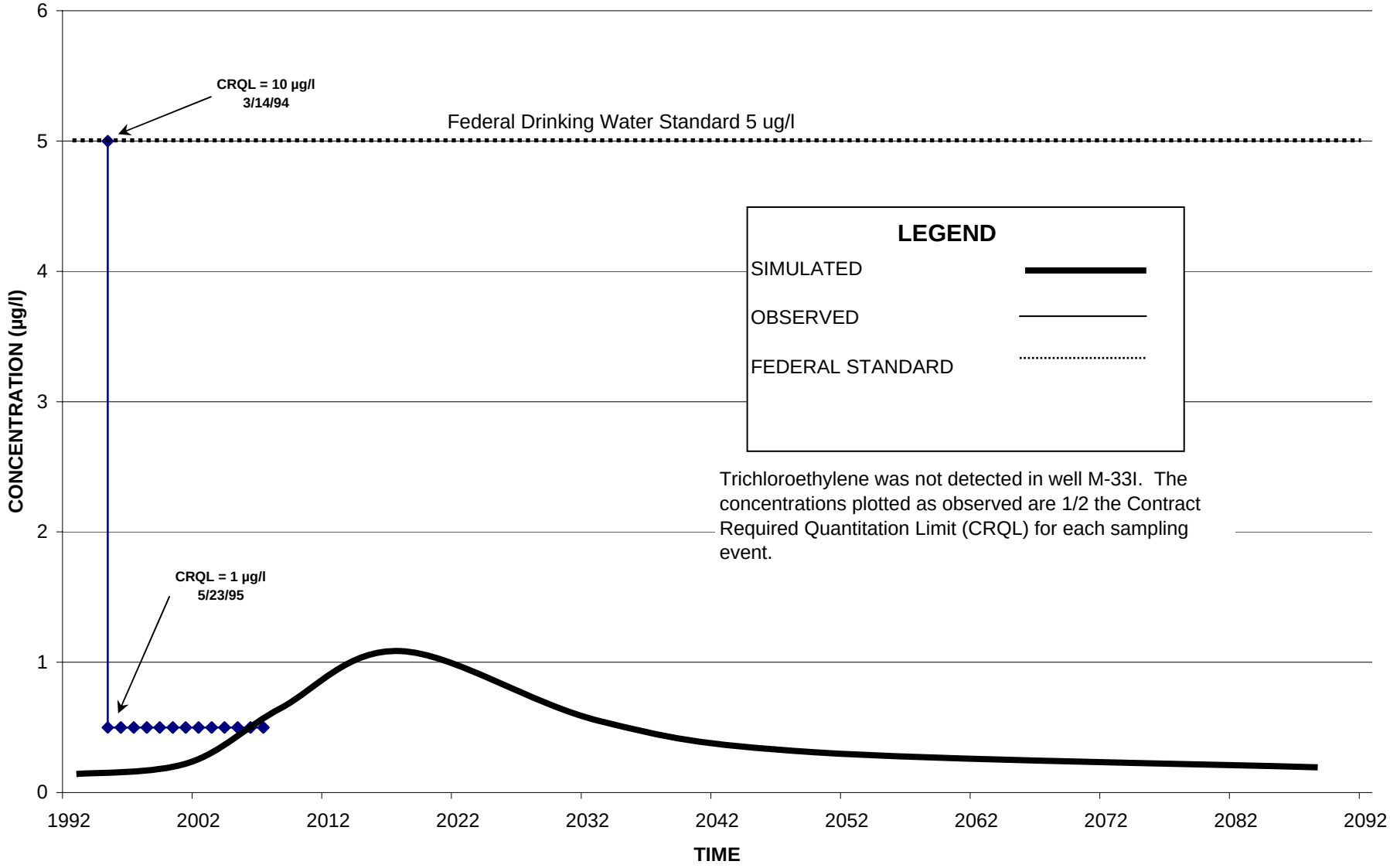
FIGURE 5
SIMULATED VERSUS OBSERVED (OCTOBER 2007)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33I



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APPENDIX A

LABORATORY DATA, INFLUENT/EFFLUENT WATER SAMPLES

SEPTEMBER 18, 2007
AND
NOVEMBER 15, 2007

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 (585) 288-8475 fax

Columbia Analytical Services INC.
An Employee - Owned Company

December 21, 2007

Proj. MRFA
Proj # 810066
File Code: SA

Mr. Brian Neumann
Shaw Environmental
13 British American Blvd.
Latham, NY 12110

Re: GE - MRFA
Submission # R2740933
SDG # EFFLUENT

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of three water samples and one trip blank were received by our laboratory on November 16, 2007.

Any problems encountered with this project are addressed in a case narrative section, which is presented later in this report.

This report consists of two (2) packages: the sample data package and the sample data summary package. A copy of the data package and summary package has been mailed to Judy Harry. All data presented in this package has been reviewed prior to report submission. If you should have any questions or concerns, please contact me at (585) 288-5380.

Thank you for your continued use of our services.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Carlton R. Beechler
Project Chemist

enc.

cc: Ms. Judy Harry
Data Validation Services
Cobble Creek Road
North Creek, NY 12853

Columbia Analytical Services, Inc.
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Shaw Environmental
Project Reference: GE MRFA PROJECT #810066
Lab Submission # : R2740933
Project Manager : Carlton Beechler
Reported : 12/21/07

Report Contains a total of 48 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066 SUBMISSION #: R2740933

Shaw samples were sampled on 11/15/07 and received at CAS on 11/16/07 in good condition and within 1-6 degrees C.

VOLATILE ORGANICS

The water samples, one cooler blank and one trip blank were analyzed for Low Level Volatiles by OLC2.1 CLP methodology.

Hits between the MDL and PQL are flagged with a "J" as estimated.

All the initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the OLC 2.1 VOA analysis. The 30 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

Site specific QC was performed on sample INFLUENT as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) were within acceptable range with the exception of the MS recovery for Carbon Tetrachloride was outside of acceptable range low. The MSD was within range. The data was not significantly affected. The Relative Percent Differences between the MS/MSD were within limits with the exception of Carbon Tetrachloride. The variability in the results is attributed to the heterogeneous character of the sample. Recovery in the Laboratory Control Samples (LCS) for Carbon Tetrachloride was acceptable, which indicates the analytical batch was in control. No further corrective action was appropriate. All QC outliers are "*" flagged. All Laboratory Control Sample recoveries were within limits.

Carbon Tetrachloride and Trichloroethene were detected in sample EFFLUENT outside the calibration range of the instrument and are flagged with an "E". The sample was reanalyzed at dilution and the compounds have been re-flagged with a "D", demonstrating that they are now within the calibration range of the instrument. Both sets of data are reported.

The Laboratory Blanks associated with these samples were free of contamination with the exception of a low level hit of Acetone in the 11/23/07 blank. Affected data is "B" flagged.

The Cooler Blank and Trip Blank associated with these samples were free of contamination with the exception of low level hits of Acetone and Methylene Chloride in the Trip Blank and a low level hit of Acetone in the Cooler Blank.

All samples were analyzed within recommended holding times.

No other analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details conditioned above. Release of the data contained in this hard copy data package has been authorized by the Laboratory

SDG #: EFFLUENT
SUBMISSION R2740933
CLIENT: Shaw Environmental
CLIENT REP: Carlton Beechler
PROJECT: GE MRFA PROJECT #810066

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y_X__ N____
DATE: 11/16/07
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED:
DATE DUE: 12/11/07
PROTOCOL: CLP
SHIPPING No.:

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS AMPLE CONDITIOI
1055419	EFFLUENT	WATER	OLC2.1 VOA	11/15/2007	11/16/07			
1055421QC	INFLUENT	WATER	OLC2.1 VOA	11/15/2007	11/16/07			
1055423	DUPE A	WATER	OLC2.1 VOA	11/15/2007	11/16/07			
1055426	TRIP BLANK	WATER	OLC2.1 VOA	11/15/2007	11/16/07			
1055428	COOLER BLANK	WATER	OLC2.1 VOA	11/15/2007	11/16/07			

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

2005 SEAL OF EXCELLENCE PROGRAM

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL. This flag is also used for DoD instead of "P" as indicated below.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P" ("J" for DoD).

Q - for DoD only – indicates a pesticide/Aroclor target is not confirmed. This flag is used when there is ≥ 100% difference for the detected concentrations between the two GC columns.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Analytical Services INC.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 1

SR #

CAS Contact

Project Name: GE MRFA	Project Number: 810066
Project Manager: B. Neumann	Report CC: S. Meier / J. Harry
Company/Address: Shaw Environmental, Inc 13 British American Blvd. Latham, NY 12110	
Phone #: (518) 783-1996	FAX#: (518) 783-8397
Sampler's Signature:	Sampler's Printed Name: M. Flanagan

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	DAC #2 *							REMARKS/ ALTERNATE DESCRIPTION
Effluent	105519	11/15/07	1040	GW	3								X							3 additional compounds, check w/ Janice Jaeger
Influent	105521		1030																	
Influent (MS)	105521		1032																	
Influent (MSD)	105521		1032																	
Dupe A	105523		—																	
Trip Blank	105526	—	—	—	3															
Cooler Blank	105528	11/16/07 CAS											X							

Preservative Key
0. NONE
1. HCl
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 24 hr _____ 48 hr _____ 5 day
X STANDARD
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
_____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data
_____ V. Speicalized Forms / Custom Report
Edata _____ Yes _____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: 10411955

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: M Flanagan	Printed Name: Amy Hentschke	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Shaw	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11/15/07 1500	Date/Time: 11/16/07 950	Date/Time	Date/Time	Date/Time	Date/Time

SCOC-1102-08

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

Cooler Receipt And Preservation Check Form

Project/Client GE MRFA Submission Number R2740933.

Cooler received on 11/16/07 by: AWH COURIER: CAS (UPS) FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	(YES)	NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant air bubbles?	* (YES)	NO	N/A		
5.	Were **Ice** or **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	2°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 11/16/07 955

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MJ 11/16/07

Cooler Breakdown: Date: 11/16/07 by: AWH

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
≥12	NaOH						
≤2	HNO_3	X	ALH 11/16/07				
≤2	H_2SO_4						
Residual Chlorine (+/-)	for TCN & Phenol						

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

* large bubble in 1 vial for MRFA-Influent.

PC Secondary Review: MJ 12/19/07

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055419 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6721.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5 J	J UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	0.1	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.2	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U UJ
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055419 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6721.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055419 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6721.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055421 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6725.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5 ~~1~~	UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	33 ~~38~~	E J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	53 ~~54~~	E
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.1	J
591-78-6	2-Hexanone	5	UUJ
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055421 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6725.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055421 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6725.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055421 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6737.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/23/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	3	JBD
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	5	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	33	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	53	D
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055421 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6737.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/23/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055421 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6737.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/23/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055423 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6723.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5 1	J UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	0.2	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.3	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U UJ
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055423 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6723.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055423 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6723.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055426 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6722.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	1	J J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	0.1	J J 1-7-08
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U UJ
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055426 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6722.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055426 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6722.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055428 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6738.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. Date Analyzed: 11/23/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	1	JB J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U UJ
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055428 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6738.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/23/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1055428 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6738.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. Date Analyzed: 11/23/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	LCS01	87	0
02	VBLK01	86	0
03	EFFLUENT	85	0
04	TRIP BLANK	90	0
05	DUPE A	86	0
06	INFLUENT	89	0
07	INFLUENTMS	114	0
08	INFLUENTMSD	107	0
09	VBLK02	96	0
10	LCS02	103	0
11	INFLUENTDL	101	0
12	COOLER BLK	97	0

QC LIMITS

SMC1 = 4-Bromofluorobenzene (80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix Spike - EPA Sample No LCS01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.8	96	60 - 140
1,2-Dichloroethane	5.0	0.0	4.3	86	60 - 140
Carbon Tetrachloride	5.0	0.0	5.0	100	60 - 140
Benzene	5.0	0.0	4.8	96	60 - 140
Trichloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dichloropropane	5.0	0.0	4.6	92	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.5	90	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.3	86	60 - 140
Tetrachloroethene	5.0	0.0	4.8	96	60 - 140
1,2-Dibromoethane	5.0	0.0	4.4	88	60 - 140
Bromoform	5.0	0.0	4.7	94	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1057243 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6717.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	6	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	19	
75-15-0	Carbon Disulfide	24	
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	21	
74-97-5	Bromochloromethane	4	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	4	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	5	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	4	
10061-01-5	cis-1,3-Dichloropropene	4	
108-10-1	4-Methyl-2-Pentanone	21	
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	4	
79-00-5	1,1,2-Trichloroethane	4	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	20	
124-48-1	Dibromochloromethane	4	
106-93-4	1,2-Dibromoethane	4	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	4	
79-34-5	1,1,2,2-Tetrachloroethane	4	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1057243 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6717.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	4	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix Spike - EPA Sample No LCS02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.0	100	60 - 140
1,2-Dichloroethane	5.0	0.0	4.9	98	60 - 140
Carbon Tetrachloride	5.0	0.0	5.1	102	60 - 140
Benzene	5.0	0.0	5.1	102	60 - 140
Trichloroethene	5.0	0.0	5.1	102	60 - 140
1,2-Dichloropropane	5.0	0.0	5.1	102	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.5	90	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.0	100	60 - 140
Tetrachloroethene	5.0	0.0	5.1	102	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.0	100	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.9	98	60 - 140

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1063728 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6735.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/23/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	5	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	4	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	4	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1063728 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6735.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/23/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix Spike - EPA Sample No INFLUENT

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.4	108	60 - 140
1,2-Dichloroethane	5.0	0.0	5.1	102	60 - 140
Carbon Tetrachloride	5.0	38	40	40 *	60 - 140
Benzene	5.0	0.0	5.0	100	60 - 140
Trichloroethene	5.0	54	58	80	60 - 140
1,2-Dichloropropane	5.0	0.0	5.0	100	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.6	92	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.1	102	60 - 140
Tetrachloroethene	5.0	0.11	4.9	96	60 - 140
1,2-Dibromoethane	5.0	0.0	4.9	98	60 - 140
Bromoform	5.0	0.0	5.0	100	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	5.0	5.2	104	4	30	60 - 140
1,2-Dichloroethane	5.0	5.0	100	2	30	60 - 140
Carbon Tetrachloride	5.0	41	60	40 *	30	60 - 140
Benzene	5.0	5.0	100	0	30	60 - 140
Trichloroethene	5.0	57	60	29	30	60 - 140
1,2-Dichloropropane	5.0	5.2	104	4	30	60 - 140
cis-1,3-Dichloropropene	5.0	4.6	92	0	30	60 - 140
1,1,2-Trichloroethane	5.0	5.0	100	2	30	60 - 140
Tetrachloroethene	5.0	4.9	96	0	30	60 - 140
1,2-Dibromoethane	5.0	4.8	96	2	30	60 - 140
Bromoform	5.0	5.0	100	0	30	60 - 140
1,4-Dichlorobenzene	5.0	5.1	102	2	30	60 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 12 outside limits

Spike Recovery: 1 out of 24 outside limits

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1063723 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6727.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/22/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	6	
75-35-4	1,1-Dichloroethene	6	
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	6	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	10	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	40	E
71-43-2	Benzene	5	
79-01-6	Trichloroethene	58	E
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	4	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1063723 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6727.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. _____ Date Analyzed: 11/22/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1063724 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6728.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. Date Analyzed: 11/22/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	10	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	41	E
71-43-2	Benzene	5	
79-01-6	Trichloroethene	57	E
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	4	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	4	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1063724 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6728.D

Level: (low/med) LOW Date Received: 11/16/07

% Moisture: not dec. Date Analyzed: 11/22/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	4	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Lab File ID: V6719.D Lab Sample ID: 1057242 1.0

Date Analyzed: 11/21/07 Time Analyzed: 19:57

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS#6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS01	1057243 1.0	V6717.D	18:47
02	EFFLUENT	1055419 1.0	V6721.D	21:08
03	TRIP BLANK	1055426 1.0	V6722.D	21:43
04	DUPE A	1055423 1.0	V6723.D	22:18
05	INFLUENT	1055421 1.0	V6725.D	23:29
06	INFLUENTMS	1063723 1.0	V6727.D	0:40
07	INFLUENTMSD	1063724 1.0	V6728.D	1:16

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1057242 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6719.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1057242 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6719.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1057242 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6719.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/21/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Lab File ID: V6734.D Lab Sample ID: 1063727 1.0

Date Analyzed: 11/23/07 Time Analyzed: 12:13

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS#6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS02	1063728 1.0	V6735.D	12:51
02	INFLUENTDL	1055421 2.5	V6737.D	13:57
03	COOLER BLK	1055428 1.0	V6738.D	14:33

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1063727 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6734.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/23/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	0.9	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1063727 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6734.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/23/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 1063727 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6734.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/23/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Lab File ID: V6709.D BFB Injection Date: 11/21/07

Instrument ID: GCMS#6 BFB Injection Time: 14:03

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.0
75	30.0 - 66.0% of mass 95	45.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.5
173	Less than 2.0% of mass 174	0.3 (0.3)1
174	50.0 - 120.0% of mass 95	108.6
175	4.0 - 9.0% of mass 174	6.4 (5.9)1
176	93.0 - 101.0% of mass 174	102.6 (94.5)1
177	5.0 - 9.0% of mass 176	7.0 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001 / 5.0	VSTD001 / 5.0	V6711.D	11/21/07	15:08
02	VSTD002 / 10	VSTD002 / 10	V6712.D	11/21/07	15:42
03	VSTD005 / 25	VSTD005 / 25	V6713.D	11/21/07	16:13
04	VSTD010 / 50	VSTD010 / 50	V6714.D	11/21/07	16:59
05	VSTD025 / 125	VSTD025 / 125	V6715.D	11/21/07	17:35
06	LCS01	1057243 1.0	V6717.D	11/21/07	18:47
07	VBLK01	1057242 1.0	V6719.D	11/21/07	19:57
08	EFFLUENT	1055419 1.0	V6721.D	11/21/07	21:08
09	TRIP BLANK	1055426 1.0	V6722.D	11/21/07	21:43
10	DUPE A	1055423 1.0	V6723.D	11/21/07	22:18
11	INFLUENT	1055421 1.0	V6725.D	11/21/07	23:29
12	INFLUENTMS	1063723 1.0	V6727.D	11/22/07	0:40
13	INFLUENTMSD	1063724 1.0	V6728.D	11/22/07	1:16

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Lab File ID: V6731.D BFB Injection Date: 11/23/07

Instrument ID: GCMS#6 BFB Injection Time: 10:11

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.3
75	30.0 - 66.0% of mass 95	46.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.7 (0.6)1
174	50.0 - 120.0% of mass 95	103.5
175	4.0 - 9.0% of mass 174	7.6 (7.4)1
176	93.0 - 101.0% of mass 174	101.3 (97.9)1
177	5.0 - 9.0% of mass 176	6.9 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD #2	VSTD #2	V6732.D	11/23/07	10:47
02	VBLK02	1063727 1.0	V6734.D	11/23/07	12:13
03	LCS02	1063728 1.0	V6735.D	11/23/07	12:51
04	INFLUENTDL	1055421 2.5	V6737.D	11/23/07	13:57
05	COOLER BLK	1055428 1.0	V6738.D	11/23/07	14:33

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: _____ SDG No.: EFFLUENT

Lab File ID (Standard): V6713.D Date Analyzed: 11/21/07

Instrument ID: GCMS#6 Time Analyzed: 16:13

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 AREA	#	IS1 RT	#	IS2 AREA	#	IS2 RT	#	IS3 AREA	#	IS3 RT	#
	12 HOUR STD	713820		5.91		588314		8.86		313968		10.92	
	UPPER LIMIT	1427640		6.41		1176628		9.36		627936		11.42	
	LOWER LIMIT	356910		5.41		294157		8.36		156984		10.42	
	EPA SAMPLE NO.												
01	LCS01	769182		5.91		616369		8.86		300828		10.92	
02	VBLK01	730639		5.91		578005		8.86		258321		10.92	
03	EFFLUENT	709061		5.92		568954		8.86		253766		10.92	
04	TRIP BLANK	644448		5.91		532126		8.86		237705		10.92	
05	DUPE A	681731		5.91		552199		8.86		238229		10.92	
06	INFLUENT	637145		5.91		529887		8.86		238956		10.92	
07	INFLUENTMS	694742		5.91		581821		8.86		324222		10.92	
08	INFLUENTMSD	700576		5.91		572669		8.86		306331		10.92	

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene-d5
IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40933 SAS No.: SDG No.: EFFLUENT

Lab File ID (Standard): V6732.D Date Analyzed: 11/23/07

Instrument ID: GCMS#6 Time Analyzed: 10:47

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	IS1 RT #	IS2 AREA #	IS2 RT #	IS3 AREA #	IS3 RT #
	12 HOUR STD	758697	5.91	614682	8.86	312276	10.92
	UPPER LIMIT	1517394	6.41	1229364	9.36	624552	11.42
	LOWER LIMIT	379349	5.41	307341	8.36	156138	10.42
	EPA SAMPLE NO.						
01	VBLK02	674511	5.91	551702	8.86	249558	10.92
02	LCS02	707449	5.91	555241	8.86	298515	10.92
03	INFLUENTDL	683944	5.91	575538	8.86	257297	10.92
04	COOLER BLK	661666	5.91	545224	8.86	245372	10.92

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene-d5
IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 (585) 288-8475 fax

Columbia Analytical Services INC.
An Employee - Owned Company

October 16, 2007

Mr. Brian Neumann
Shaw Environmental
13 British American Blvd.
Latham, NY 12110

Re: MRFA
Submission # R2739812
SDG # 1038061

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of three water samples and one trip blank were received by our laboratory on September 19, 2007.

Any problems encountered with this project are addressed in a case narrative section, which is presented later in this report.

This report consists of two (2) packages: the sample data package and the sample data summary package. The data package and summary package have been mailed to Judy Harry and the summary package only has been mailed to your attention and to Steve Meier. All data presented in this package has been reviewed prior to report submission. If you should have any questions or concerns, please contact me at (585) 288-5380.

Thank you for your continued use of our services.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Carlton R. Beechler
Project Chemist

enc.

cc: Ms. Judy Harry
Data Validation Services
Cobble Creek Road
North Creek, NY 12853

cc: Mr. Steve Meier
GE Corporate Environmental Programs
320 Great Oaks Blvd. Suite 323
Albany, NY 12203

Columbia Analytical Services, Inc.
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Shaw Environmental
Project Reference: MRFA PROJECT# 810066
Lab Submission # : R2739812
Project Manager : Carlton Beechler
Reported : 10/16/07

Report Contains a total of 40 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2739812

Shaw samples were sampled on 9/17-18/07 and received at CAS on 9/19/07 in good condition and within 1-6 degrees C.

VOLATILE ORGANICS

Three water samples and one trip blank were analyzed for OLC2.1 Volatiles by CLP methodology.

Hits between the MDL and PQL are flagged with a "J" as estimated.

All the initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on Sample Influent as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) with the exception of Carbon Tetrachloride and Trichloroethene. These targets were outside of acceptable range high in the MSD. All Blank Spike recoveries were within limits. All RPD's between the MS/MSD were within limits with the exception of Carbon Tetrachloride and Trichloroethene. All QC outliers are "*" flagged.

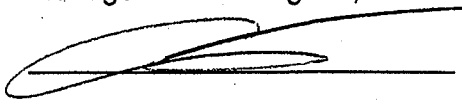
Various compounds for several samples have been flagged with an "E" as being outside the calibration range of the instrument. The sample was repeated at a dilution and both sets of data have been reported.

The Laboratory blanks associated with these samples were free of contamination.

All samples were analyzed within recommended holding times.

No analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details conditioned above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:



SDG #: 1038061
SUBMISSION R2739812
CLIENT: Shaw Environmental
CLIENT REP: Janice Jaeger
PROJECT: MRFA PROJECT# 810066

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y_X__ N____
DATE: 9/19/07
CUSTODY SEAL: PRESENT/ABSENT: P
CHAIN OF CUSTODY: PRESENT/ABSENT: P

DATE REVISED:
DATE DUE: 10/15/07
PROTOCOL: OLC
SHIPPING No.:

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS AMPLE CONDITION
1038061 QC	INFLUENT	WATER	VOA OLC 2.1	9/18/2007	9/19/07			
1038062	EFFLUENT	WATER	VOA OLC 2.1	9/18/2007	9/19/07			
1038063	DUPE A	WATER	VOA OLC 2.1	9/18/2007	9/19/07			
1038064	TRIP BLANK	WATER	VOA OLC 2.1	9/17/2007	9/19/07			
			Add 3 extra compounds					

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ACCREDITED IN ACCORDANCE WITH nelac

Service Quality Ethics ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL. This flag is also used for DoD instead of "P" as indicated below.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P" ("J" for DoD).

Q - for DoD only – indicates a pesticide/Aroclor target is not confirmed. This flag is used when there is ≥ 100% difference for the detected concentrations between the two GC columns.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

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www.caslab.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 1

SR #

CAS Contact

Project Name: MRFA	Project Number: 810066
Project Manager: Brian Neumann	Report CC: Steve Meier, Judy Harry
Company/Address: Shaw Environmental, Inc. 13 British American Blvd Latham, NY 12110	
Phone #: 518-783-1496	FAX#: 518-783-8397
Sampler's Signature: Brian Neumann	Sampler's Printed Name: Brian Neumann

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐8260 ☐624 ☐CLP *OLC2.1	GC/MS SVOA's ☐8270 ☐625 ☐CLP	GC VOA's ☐8021 ☐601/602	PESTICIDES ☐8081 ☐608 ☐CLP	PCB's ☐8082 ☐608 ☐CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
Influent (Location 001)	103806 1	9/18/07	1345	GW		X			103806 1				*
Influent MS/MSD (Location 002)	103806 2	↓	1347	↓		↓							*
Effluent (Location 003)	103806 3	↓	1351	↓		↓							*
Dupe A (Location 004)	103806 3	↓	Blind	↓		↓							*
Trip Blank	103806 4	9/17/07	1505	Water		↓							*

Preservative Key
0. NONE
1. HCl
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS

Metals

* CLP OLC 2.1 VOAs plus hexachlorobutadiene, 1,2,3-trichlorobenzene and trichlorofluoromethane.

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 24 hr _____ 48 hr _____ 5 day
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
_____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data
_____ V. Speicalized Forms / Custom Report
Edata _____ Yes _____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: 12739812

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature: Brian Neumann	Signature: Brian Neumann	Signature: Amy Hentschke	Signature	Signature
Printed Name	Printed Name: Brian Neumann	Printed Name: Brian Neumann	Printed Name: Amy Hentschke	Printed Name	Printed Name
Firm: CT	Firm: Shaw Environmental	Firm: Shaw Environmental	Firm: CAS	Firm	Firm
Date/Time	Date/Time: 9/18/07 @ 1030	Date/Time: 9/18/07 @ 1630	Date/Time: 9/19/07 @ 10:00	Date/Time	Date/Time

UPS to lab overnight

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Shaw Submission Number 22-39812

Cooler received on 9/19/07 by: AH COURIER: CAS (UPS) FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	(YES)	NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant air bubbles?	YES	(NO)	N/A		
5.	Were **Ice** or **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	5°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 9/19/07 10:10

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: CM 9/19/07

Cooler Breakdown: Date: 09/19/07 by: _____

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
≥12	NaOH						
≤2	HNO_3						
≤2	H_2SO_4						
Residual Chlorine (+/-)	for TCN & Phenol						

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: CM 9/20/07

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038061 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5479.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5 ~~2~~	~~U~~
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	4	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	38 ~~40~~	E J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	48 ~~49~~	E J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038061 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5479.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038061 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5479.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038061 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5483.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	2	JD
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	5	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	38	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	48	D
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038061 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5483.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENTDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038061 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5483.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038062 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5478.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5 ~~2~~	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038062 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5478.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038062 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5478.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038063 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5481.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	0.2	J
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5 ~~2~~	~~J~~ U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	4	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	38 ~~40~~	~~E~~
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	47 ~~50~~	~~E~~
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038063 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5481.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038063 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5481.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE A DL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038063 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5482.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	3	JD
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	4	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	38	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	47	D
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE A DL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038063 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5482.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE A DL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038063 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5482.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038064 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5477.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	2	J J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038064 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5477.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038064 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5477.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	VBLK	98	0
02	LCS	110	0
03	TRIP BLANK	95	0
04	EFFLUENT	100	0
05	INFLUENT	98	0
06	DUPE A	97	0
07	DUPE A DL	95	0
08	INFLUENTDL	100	0
09	INFLUENTDLMS	111	0
10	INFLUENTDLMSD	108	0

QC LIMITS

SMC1 = 4-Bromofluorobenzene (80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix Spike - EPA Sample No LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.2	84	60 - 140
1,2-Dichloroethane	5.0	0.0	5.0	100	60 - 140
Carbon Tetrachloride	5.0	0.0	4.9	98	60 - 140
Benzene	5.0	0.0	5.0	100	60 - 140
Trichloroethene	5.0	0.0	5.1	102	60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	104	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.9	98	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	4.9	98	60 - 140
1,2-Dibromoethane	5.0	0.0	5.2	104	60 - 140
Bromoform	5.0	0.0	5.1	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.1	102	60 - 140

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: LCS

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5476.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	4	
75-01-4	Vinyl Chloride	4	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	5	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: LCS

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5476.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix Spike - EPA Sample No INFLUENTDL

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	12	0.0	11	92	60 - 140
1,2-Dichloroethane	12	0.0	13	108	60 - 140
Carbon Tetrachloride	12	38	56	150 *	60 - 140
Benzene	12	0.0	13	108	60 - 140
Trichloroethene	12	48	70	183 *	60 - 140
1,2-Dichloropropane	12	0.0	13	108	60 - 140
cis-1,3-Dichloropropene	12	0.0	12	100	60 - 140
1,1,2-Trichloroethane	12	0.0	13	108	60 - 140
Tetrachloroethene	12	0.0	13	108	60 - 140
1,2-Dibromoethane	12	0.0	13	108	60 - 140
Bromoform	12	0.0	13	108	60 - 140
1,4-Dichlorobenzene	12	0.0	13	108	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	12	11	92	0	30	60 - 140
1,2-Dichloroethane	12	13	108	0	30	60 - 140
Carbon Tetrachloride	12	48	83	58 *	30	60 - 140
Benzene	12	12	100	8	30	60 - 140
Trichloroethene	12	58	83	75 *	30	60 - 140
1,2-Dichloropropane	12	13	108	0	30	60 - 140
cis-1,3-Dichloropropene	12	12	100	0	30	60 - 140
1,1,2-Trichloroethane	12	13	108	0	30	60 - 140
Tetrachloroethene	12	13	108	0	30	60 - 140
1,2-Dibromoethane	12	13	108	0	30	60 - 140
Bromoform	12	13	108	0	30	60 - 140
1,4-Dichlorobenzene	12	13	108	0	30	60 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 12 outside limits

Spike Recovery: 2 out of 24 outside limits

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDLMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038061 2.5 MS

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5489.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	11	D
75-01-4	Vinyl Chloride	11	D
74-83-9	Bromomethane	11	D
75-00-3	Chloroethane	11	D
75-69-4	Trichlorofluoromethane	13	D
75-35-4	1,1-Dichloroethene	13	D
67-64-1	Acetone	5	JD
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	13	D
156-60-5	trans-1,2-Dichloroethene	13	D
75-34-3	1,1-Dichloroethane	13	D
156-59-2	cis-1,2-Dichloroethene	13	D
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	13	D
67-66-3	Chloroform	18	D
107-06-2	1,2-Dichloroethane	13	D
71-55-6	1,1,1-Trichloroethane	13	D
56-23-5	Carbon Tetrachloride	56	D
71-43-2	Benzene	13	D
79-01-6	Trichloroethene	70	D
78-87-5	1,2-Dichloropropane	13	D
75-27-4	Bromodichloromethane	14	D
10061-01-5	cis-1,3-Dichloropropene	12	D
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	13	D
10061-02-6	trans-1,3-Dichloropropene	12	D
79-00-5	1,1,2-Trichloroethane	13	D
127-18-4	Tetrachloroethene	13	D
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	13	D
106-93-4	1,2-Dibromoethane	13	D
108-90-7	Chlorobenzene	13	D
100-41-4	Ethylbenzene	13	D
1330-20-7	(m+p) Xylene	26	D
1330-20-7	o-Xylene	13	D
100-42-5	Styrene	12	D
79-34-5	1,1,2,2-Tetrachloroethane	13	D
75-25-2	Bromoform	13	D
541-73-1	1,3-Dichlorobenzene	13	D

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDLMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038061 2.5 MS

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5489.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	13	D
95-50-1	1,2-Dichlorobenzene	13	D
96-12-8	1,2-Dibromo-3-chloropropane	12	D
120-82-1	1,2,4-Trichlorobenzene	12	D
87-68-3	Hexachlorobutadiene	13	D
87-61-6	1,2,3-Trichlorobenzene	12	D

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDLMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038061 2.5 MSD

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5490.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	D
75-01-4	Vinyl Chloride	11	D
74-83-9	Bromomethane	11	D
75-00-3	Chloroethane	12	D
75-69-4	Trichlorofluoromethane	12	D
75-35-4	1,1-Dichloroethene	13	D
67-64-1	Acetone	3	JD
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	13	D
156-60-5	trans-1,2-Dichloroethene	12	D
75-34-3	1,1-Dichloroethane	12	D
156-59-2	cis-1,2-Dichloroethene	13	D
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	13	D
67-66-3	Chloroform	17	D
107-06-2	1,2-Dichloroethane	13	D
71-55-6	1,1,1-Trichloroethane	12	D
56-23-5	Carbon Tetrachloride	48	D
71-43-2	Benzene	12	D
79-01-6	Trichloroethene	58	D
78-87-5	1,2-Dichloropropane	13	D
75-27-4	Bromodichloromethane	13	D
10061-01-5	cis-1,3-Dichloropropene	12	D
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	13	D
10061-02-6	trans-1,3-Dichloropropene	11	D
79-00-5	1,1,2-Trichloroethane	13	D
127-18-4	Tetrachloroethene	13	D
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	D
106-93-4	1,2-Dibromoethane	13	D
108-90-7	Chlorobenzene	13	D
100-41-4	Ethylbenzene	13	D
1330-20-7	(m+p) Xylene	25	D
1330-20-7	o-Xylene	13	D
100-42-5	Styrene	12	D
79-34-5	1,1,2,2-Tetrachloroethane	13	D
75-25-2	Bromoform	13	D
541-73-1	1,3-Dichlorobenzene	13	D

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTDLMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: 1038061 2.5 MSD

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5490.D

Level: (low/med) LOW Date Received: 9/19/07

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 2.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	13	D
95-50-1	1,2-Dichlorobenzene	12	D
96-12-8	1,2-Dibromo-3-chloropropane	13	D
120-82-1	1,2,4-Trichlorobenzene	12	D
87-68-3	Hexachlorobutadiene	12	D
87-61-6	1,2,3-Trichlorobenzene	12	D

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Lab File ID: V5475.D Lab Sample ID: 1043868 1.0

Date Analyzed: 9/24/07 Time Analyzed: 11:27

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS#6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	1043869 1.0	V5476.D	12:15
02	TRIP BLANK	1038064 1.0	V5477.D	12:57
03	EFFLUENT	1038062 1.0	V5478.D	13:32
04	INFLUENT	1038061 1.0	V5479.D	14:08
05	DUPE A	1038063 1.0	V5481.D	15:22
06	DUPE A DL	1038063 2.5	V5482.D	15:58
07	INFLUENTDL	1038061 2.5	V5483.D	16:40
08	INFLUENTDLMS	1038061 2.5 MS	V5489.D	20:40
09	INFLUENTDLMSD	1038061 2.5 MSD	V5490.D	21:15

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: VBLK

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5475.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: VBLK

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5475.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Matrix: (soil/water) WATER Lab Sample ID: VBLK

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V5475.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 9/24/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Lab File ID: V5454.D BFB Injection Date: 9/21/07

Instrument ID: GCMS#6 BFB Injection Time: 10:35

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.4
75	30.0 - 66.0% of mass 95	45.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.2
173	Less than 2.0% of mass 174	0.4 (0.4)1
174	50.0 - 120.0% of mass 95	90.5
175	4.0 - 9.0% of mass 174	6.6 (7.3)1
176	93.0 - 101.0% of mass 174	91.2 (100.8)1
177	5.0 - 9.0% of mass 176	7.3 (8.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001/005	VSTD001/005	V5456.D	9/21/07	12:41
02	VSTD002/010	VSTD002/010	V5457.D	9/21/07	13:27
03	VSTD005/025	VSTD005/025	V5458.D	9/21/07	14:02
04	VSTD010/050	VSTD010/050	V5459.D	9/21/07	14:57
05	VSTD025/125	VSTD025/125	V5460.D	9/21/07	15:37

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Lab File ID: V5473.D BFB Injection Date: 9/24/07

Instrument ID: GCMS#6 BFB Injection Time: 10:11

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.8
75	30.0 - 66.0% of mass 95	44.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.9 (1.0)1
174	50.0 - 120.0% of mass 95	96.2
175	4.0 - 9.0% of mass 174	7.1 (7.3)1
176	93.0 - 101.0% of mass 174	94.7 (98.4)1
177	5.0 - 9.0% of mass 176	5.6 (5.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD #1	VSTD #1	V5474.D	9/24/07	10:51
02	VBLK	1043868 1.0	V5475.D	9/24/07	11:27
03	LCS	1043869 1.0	V5476.D	9/24/07	12:15
04	TRIP BLANK	1038064 1.0	V5477.D	9/24/07	12:57
05	EFFLUENT	1038062 1.0	V5478.D	9/24/07	13:32
06	INFLUENT	1038061 1.0	V5479.D	9/24/07	14:08
07	DUPE A	1038063 1.0	V5481.D	9/24/07	15:22
08	DUPE A DL	1038063 2.5	V5482.D	9/24/07	15:58
09	INFLUENTDL	1038061 2.5	V5483.D	9/24/07	16:40
10	INFLUENTDLMS	1038061 2.5 MS	V5489.D	9/24/07	20:40
11	INFLUENTDLMSD	1038061 2.5 MSD	V5490.D	9/24/07	21:15

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-39812 SAS No.: _____ SDG No.: 1038061

Lab File ID (Standard): V5474.D Date Analyzed: 9/24/07

Instrument ID: GCMS#6 Time Analyzed: 10:51

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	696421	5.92	581242	8.86	295433	10.92
	UPPER LIMIT	1392842	6.42	1162484	9.36	590866	11.42
	LOWER LIMIT	348211	5.42	290621	8.36	147717	10.42
	EPA SAMPLE NO.						
01	VBLK	654819	5.91	538617	8.86	254929	10.92
02	LCS	660876	5.92	544623	8.86	286518	10.92
03	TRIP BLANK	655767	5.92	538425	8.86	255592	10.92
04	EFFLUENT	643643	5.92	537209	8.86	258792	10.92
05	INFLUENT	644788	5.91	534903	8.86	255059	10.92
06	DUPE A	640108	5.92	532209	8.86	250108	10.92
07	DUPE A DL	644571	5.92	527435	8.86	250185	10.92
08	INFLUENTDL	637863	5.92	538330	8.86	256815	10.92
09	INFLUENTDLMS	667010	5.92	558592	8.86	293836	10.92
10	INFLUENTDLMS	691257	5.92	587397	8.86	300544	10.92

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

APPENDIX B

LABORATORY DATA, GROUNDWATER SAMPLES AND SURFACE WATER SAMPLES

OCTOBER 16, and 17, 2007

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 (585) 288-8475 fax

Columbia Analytical Services INC.
An Employee - Owned Company

November 16, 2007

Mr. Brian Neumann
Shaw Environmental
13 British American Blvd.
Latham, NY 12110

Re: GE - MRFA
Submission # R2740356
SDG # DGC-3S

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of nineteen water samples and two trip blanks were received by our laboratory on October 18, 2007.

Any problems encountered with this project are addressed in a case narrative section, which is presented later in this report.

This report consists of two (2) packages: the sample data package and the sample data summary package. The data package and summary package have been mailed to Judy Harry and the summary package only has been mailed to your attention and to Steve Meier. All data presented in this package has been reviewed prior to report submission. If you should have any questions or concerns, please contact me at (585) 288-5380.

Thank you for your continued use of our services.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Carlton R. Beechler
Project Chemist

enc.

cc: Ms. Judy Harry
Data Validation Services
Cobble Creek Road
North Creek, NY 12853

cc: Mr. Steve Meier
GE Corporate Environmental Programs
320 Great Oaks Blvd. Suite 323
Albany, NY 12203

Columbia Analytical Services inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Shaw Environmental
Project Reference: GE-MRFA PROJECT #810066
Lab Submission # : R2740356
Project Manager : Carlton Beechler
Reported : 11/14/07

Report Contains a total of 133 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K Perry

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2740356

Shaw samples were sampled on 9/17-18/07 and received at CAS on 9/19/07 in good condition and within 1-6 degrees C.

VOLATILE ORGANICS

Twenty water samples and two trip blanks were analyzed for Low Level Volatiles by OLC2.1 CLP methodology.

Hits between the MDL and PQL are flagged with a "J" as estimated.

All the initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the OLC 2.1 VOA analysis. The 30 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

Site specific QC was performed on sample M-27D as requested and also on sample SW-D. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) were within acceptable range. The Relative Percent Differences between the MS/MSD were within limits. All Laboratory Control Sample recoveries were within limits.

Carbon Tetrachloride was detected in sample M-25D outside the calibration range of the instrument and is flagged with an "E". The sample was reanalyzed at dilution and the compound has been re-flagged with a "D", demonstrating that it is now within the calibration range of the instrument. Both sets of data are reported.

The Laboratory blanks associated with these samples were free of contamination with the exception of a low level hit of Acetone in the 10/26/07 blank. Affected data is "B" flagged.

The Cooler Blank and Trip Blanks associated with these samples were free of contamination with the exception of low level hits of Acetone in each one.

All samples were analyzed within recommended holding times.

No analytical or QC problems were encountered.

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2740356

INORGANICS

Four water samples were analyzed for Total and Hexavalent Chromium. Please see attached data pages for method numbers.

Site specific QC was performed on M-27D as requested. The Matrix Spike, Blank Spike and Laboratory Control Sample recoveries were within acceptable limits. The Relative Percent Difference (RPD) between the duplicate analyses was within limits.

Hits between the MDL and PQL are flagged with a "B" as estimated.

No analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details conditioned above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:

SDG #: DGC-3S
SUBMISSION R2740356
CLIENT: Shaw Environmental
CLIENT REP: Carlton Beechler
PROJECT: GE-MRFA PROJECT #810066

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y_X__ N____
DATE: 10/18/07
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED: 10/18/07 CRLS
DATE DUE: 11/08/07
PROTOCOL: CLP
SHIPPING No.:

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS AMPLE CONDITION
1046924	DGC-3S	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046925	4D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046926	DGC-4S	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046927QC	M-27D	WATER	OLC2.1 VOA,CR,CR6	10/17/2007	10/18/07			
1046928	13D	WATER	OLC2.1 VOA,CR,CR6	10/17/2007	10/18/07			
1046929	DUPE	WATER	OLC2.1 VOA,CR,CR6	10/17/2007	10/18/07			
1046930	M-25D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046931	11D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046932	M-33I	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046933	M-33S	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046934	M-24D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046935	M-29D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046936	14D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046937	SW-B	WATER	OLC2.1 VOA,CR,CR6	10/17/2007	10/18/07			
1046942	SW-G	WATER	OLC2.1 VOA	10/16/2007	10/18/07			
1046943	SW-F	WATER	OLC2.1 VOA	10/16/2007	10/18/07			
1046944	SW-E	WATER	OLC2.1 VOA	10/16/2007	10/18/07			
1046947	SW-D	WATER	OLC2.1 VOA	10/16/2007	10/18/07			
1046949	SW-A	WATER	OLC2.1 VOA	10/16/2007	10/18/07			
1046950	COOLER BLANK	WATER	OLC2.1 VOA	10/18/2007	10/18/07			
1047019	Trip Blank	Water	OLC 2.1 VOA	10/18/2007	10/18/07			
1047020	Trip Blank	Water	OLC 2.1 VOA	10/18/2007	10/18/07			

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2005 SEAL OF EXCELLENCE PROGRAM

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL. This flag is also used for DoD instead of "P" as indicated below.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P" ("J" for DoD).

Q - for DoD only – indicates a pesticide/Aroclor target is not confirmed. This flag is used when there is ≥ 100% difference for the detected concentrations between the two GC columns.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

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Ethics Service Quality
ACIL
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Environmental

INORGANIC QUALIFIERS

C (Concentration) qualifier –

- B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL). This qualifier may also be used to indicate that there was contamination above the reporting limit in the associated blank. See Narrative for details.
- U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

- D - Spike was diluted out
- E - The reported value is estimated because the serial dilution did not meet criteria.
- J - Estimated Value
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "AF" for Automated Cold Vapor Atomic Fluorescence Spectrometry
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.

CAS/Rochester Lab ID # for State Certifications

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Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID # 68-786
Rhode Island ID # 158
West Virginia ID # 292

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PAGE 1 OF 2

CAS Contact

Project Name: GE - MRFA	Project Number: 810066
Project Manager: B. Neumann	Report CC: S. Meier + Judy Harry
Company/Address: Shaw Environmental, Inc 13 British American Blvd Latham, NY 12110	
Phone #: (518) 783 - 1996	FAX#: (518) 783 - 8397
Sampler's Signature:	Sampler's Printed Name: M. Flanagan

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1 2

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	O&G 2.1 VOA	Cr	Cr+6	REMARKS/ ALTERNATE DESCRIPTION
DGC - 3S		10/17/07	1610	GW	3							X				Janice know
4D			1500		3							X				the 3 additional
DGC - 4S			1540		3							X				cmpds. to
M - 27D			1338		5							X	X	X		sample for
M - 27D MS			1338		5							X	X	X		
M - 27D MSD			1338		5							X	X	X		
13D			1305		5							X	X	X		
Dupe			-		6							X	X	X		
M - 23D			1115		3							X				
11D		↓	935	↓	3							X				

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: P2-74035

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Flanagan	Printed Name: Gregory O. Esmerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Shaw	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 10/17/07 1700	Date/Time: 10-18-07 10:10	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

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PAGE 2 OF 2

CAS Contact

Project Name	Project Number
Project Manager	Report CC
Company/Address: SAME	
Phone #	FAX#
Sampler's Signature	Sampler's Printed Name

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1, 2

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	OLC 2.1 VOA	Cr	Cr+6	REMARKS/ ALTERNATE DESCRIPTION
M-33I		10/17/07	1040	GW	3							X				
M-33S			1025		3							X				
M-29D			905		3							X				
M-29D			840		3							X				
14D			805		3							X				
SW-B			1410		3							X	X	X		
SW-G		10/16/07	1130		3							X				
SW-F			1210		3							X				
SW-E			1320		3							X				
SW-D			1450		3							X				
SW-A			1515		3											

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: 07-240358

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Flanagan	Printed Name: Gregory Q. Esmerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Shaw	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 10/17/07 1700	Date/Time: 10-18-07 10:10	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

oject/Client Shaw Submission Number RQ-40356

oler received on 10-18-07 by: KE COURIER: CAS (UPS) FEDEX VELOCITY CLIENT

Were custody seals on outside of cooler?	(YES)	NO			
Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
Did any VOA vials have significant air bubbles?	YES	(NO)	N/A		
Were **Ice** or **Ice packs** present?	(YES)	NO			
Where did the bottles originate?	(CAS/ROC)	CLIENT			
Temperature of cooler(s) upon receipt:	2°				
Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 10-18-07 @ 10:19

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

out of Temperature, Client Approval to Run Samples _____

C Secondary Review: JMS 10/18/07

ooler Breakdown: Date: 10-18-07 by: KE

Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO	
Did all bottle labels and tags agree with custody papers?	(YES)	NO	
Were correct containers used for the tests indicated?	(YES)	NO	
Air Samples: Cassettes / Tubes Intact	Canisters Pressurized	Tedlar® Bags Inflated	(N/A)

xplain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
≥12	NaOH						
≤2	HNO_3						
≤2	H_2SO_4						
esidual Chlorine (+/-)	for TCN & Phenol						

ES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

C Secondary Review: CJ 10/18/07

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DGC-3S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046924 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6117.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DGC-3S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046924 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6117.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046924 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6117.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

4D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046925 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6118.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

4D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046925 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6118.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046925 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6118.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DGC-4S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046926 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6119.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DGC-4S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046926 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6119.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	UUJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-4S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046926 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6119.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046927 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6120.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	0.8	J
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	0.7	J
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	10	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	14	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046927 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6120.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-27D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046927 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6120.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

13D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046928 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6123.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

13D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046928 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6123.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

13D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046928 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6123.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046929 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6124.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPE

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046929 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6124.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046929 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6124.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-25D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046930 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6125.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.5 DL 11/13/07

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	12	U UJ
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	1	J
78-93-3	2-Butanone	12	U UJ
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	6	
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	65 ~~66~~	~~E~~
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	34	
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-25D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046930 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6125.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~4.0~~ 2.5 DL 11/13/07

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U UJ
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-25D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046930 2.5

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6125.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.5 DL 11-13-07

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-25DDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046930 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6160.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	1	JD
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	6	D
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	65	D
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	37	D
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	(m+p) Xylene	5	U
1330-20-7	o-Xylene	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
75-25-2	Bromoform	5	U
541-73-1	1,3-Dichlorobenzene	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-25DDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046930 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6160.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-25DDL

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046930 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6160.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

11D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046931 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6126.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	2	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	13	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

11D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046931 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6126.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

11D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046931 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6126.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33I

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046932 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6127.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33I

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046932 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6127.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-33I

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046932 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6127.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046933 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6128.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046933 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6128.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-33S

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046933 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6128.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-24D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046934 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6129.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5 J	JBWJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	0.4	J
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	9	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-24D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046934 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6129.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-24D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046934 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6129.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-29D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046935 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6130.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 JL 11/13/07

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	10	U UJ
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	10	U UJ
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	3	
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	3	
56-23-5	Carbon Tetrachloride	34	
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	11	
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-29D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046935 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6130.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~4.0~~ 2.0 DL 11/13/07

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U UJ
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-29D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046935 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6130.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: ~~4.0~~ 2.0 PL 11/13/07

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

14D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046936 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6131.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

14D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046936 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6131.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

14D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046936 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6131.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-B

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046937 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6132.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.4	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-B

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046937 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6132.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-B

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046937 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6132.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-G

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046942 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6133.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-G

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046942 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6133.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-G

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046942 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6133.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-F

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046943 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6139.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-F

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046943 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6139.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-F

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046943 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6139.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-E

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046944 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6140.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5 ~~3~~	U ~~U~~
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U (U)
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-E

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046944 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6140.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-E

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046944 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6140.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046947 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6141.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046947 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6141.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-D

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046947 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6141.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046949 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6142.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	52	J U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U VJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046949 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6142.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	UUJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-A

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046949 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6142.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046950 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6164.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	3	J J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046950 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6164.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	UUJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1046950 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6164.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1047009 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6143.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	3	J J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1047009 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6143.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1047009 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6143.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1047010 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6144.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	3	J J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1047010 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6144.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U UJ
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1047010 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6144.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	VBLK01	83	0
02	LCS01	104	0
03	DGC-3S	95	0
04	4D	89	0
05	DGC-4S	87	0
06	M-27D	89	0
07	M-27DMS	103	0
08	M-27DMSD	105	0
09	13D	89	0
10	DUPE	86	0
11	M-25D	84	0
12	11D	86	0
13	M-33I	84	0
14	M-33S	87	0
15	M-24D	86	0
16	M-29D	85	0
17	14D	87	0
18	SW-B	86	0
19	SW-G	85	0
20	VBLK02	89	0
21	LCS02	107	0
22	SW-F	89	0
23	SW-E	94	0
24	SW-D	91	0
25	SW-A	92	0
26	TRIP BLANK	89	0
27	TRIP BLANK	91	0
28	VBLK03	92	0
29	LCS03	104	0
30	M-25DDL	89	0
31	SW-DMS	109	0
32	SW-DMSD	106	0
33	COOLER BLK	91	0

QC LIMITS

SMC1 = 4-Bromofluorobenzene (80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

METALS
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

:act: R2740356 SDG No.: DGC-3S

Code: Case No.: SAS No.:

No.: CLP ILM5.3 Client: Shaw Environmental

Sample No.	Lab Sample ID.
M-27D	1046927
M-27DD	1046927D
M-27DS	1046927S
13D	1046928
DUPE	1046929
SW-B	1046937

:e ICP interelement corrections applied? Yes/No YES

:e ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

mments: See Attached Case Narrative

:ertify that this data package is in compliance with the terms and conditions of the ıtract, both technically and for completeness, for other than the conditions detailed ɔve. Release of the data contained in this hardcopy data package and in the mputer-readable data submitted on diskette has been authorized by the Laboratory Manager or e Manager's designee, as verified by the following signature.

nature: Michael K Perry Name: Michael K. Perry

:e: 11/16/07 Title: Laboratory Manager

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
13D

:ract: R2740356

Code: Case No.: SAS No.: SDG NO.: DGC-3S

:ix (soil/water): WATER Lab Sample ID: 1046928

:l (low/med): LOW Date Received: 10/18/07

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.2	B		P

lor Before: YELLOW Clarity Before: CLEAR Texture:

lor After: YELLOW Clarity After: CLEAR Artifacts:

mments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUPE

tract: R2740356

Code: Case No.: SAS No.: SDG NO.: DGC-3S

rix (soil/water): WATER Lab Sample ID: 1046929

el (low/med): LOW Date Received: 10/18/07

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	4.9	B		P

olor Before: YELLOW Clarity Before: CLEAR Texture:

olor After: YELLOW Clarity After: CLEAR Artifacts:

omments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
M-27D

:act: R2740356

!ode: Case No.: SAS No.: SDG NO.: DGC-3S

.x (soil/water): WATER Lab Sample ID: 1046927

. (low/med): LOW Date Received: 10/18/07

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.9	U		P

lor Before: YELLOW Clarity Before: CLEAR Texture:

lor After: YELLOW Clarity After: CLEAR Artifacts:

mments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-B

ıct: R2740356

ɔde: Case No.: SAS No.: SDG NO.: DGC-3S

ɛ (soil/water): WATER Lab Sample ID: 1046937

(low/med): LOW Date Received: 10/18/07

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.9	U		P

lor Before: YELLOW Clarity Before: CLEAR Texture:

lor After: YELLOW Clarity After: CLEAR Artifacts:

ɯments:

'OLUMBIA ANALYTICAL SERVICES

Reported: 11/14/07

iw Environmental
)ject Reference: GE-MRFA PROJECT #810066
ient Sample ID : M-27D

te Sampled : 10/17/07 13:38 Order #: 1046927 Sample Matrix: WATER
te Received: 10/18/07 Submission #: R2740356

NALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
XAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/18/07	10:46	1.0

OLUMBIA ANALYTICAL SERVICES

Reported: 11/14/07

iw Environmental
oject Reference: GE-MRFA PROJECT #810066
ient Sample ID : 13D

ce Sampled : 10/17/07 13:05 Order #: 1046928 Sample Matrix: WATER
ce Received: 10/18/07 Submission #: R2740356

NALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
XAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/18/07	10:46	1.0

OLUMBIA ANALYTICAL SERVICES

Reported: 11/14/07

aw Environmental
oject Reference: GE-MRFA PROJECT #810066
lent Sample ID : DUPE

te Sampled : 10/17/07 Order #: 1046929 Sample Matrix: WATER
te Received: 10/18/07 Submission #: R2740356

NALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
XAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/18/07	10:46	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/14/07

haw Environmental
roject Reference: GE-MRFA PROJECT #810066
lient Sample ID : SW-B

ate Sampled : 10/17/07 14:10 Order #: 1046937 Sample Matrix: WATER
ate Received: 10/18/07 Submission #: R2740356

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
EXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/18/07	10:46	1.0

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix Spike - EPA Sample No LCS01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.4	88	60 - 140
1,2-Dichloroethane	5.0	0.0	4.9	98	60 - 140
Carbon Tetrachloride	5.0	0.0	4.9	98	60 - 140
Benzene	5.0	0.0	4.9	98	60 - 140
Trichloroethene	5.0	0.0	4.8	96	60 - 140
1,2-Dichloropropane	5.0	0.0	5.1	102	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.6	92	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.1	102	60 - 140
Tetrachloroethene	5.0	0.0	4.9	98	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.1	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054359 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6116.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	4	
75-01-4	Vinyl Chloride	4	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	2	JB
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	5	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	4	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054359 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6116.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix Spike - EPA Sample No LCS02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.1	82	60 - 140
1,2-Dichloroethane	5.0	0.0	4.6	92	60 - 140
Carbon Tetrachloride	5.0	0.0	4.5	90	60 - 140
Benzene	5.0	0.0	4.6	92	60 - 140
Trichloroethene	5.0	0.0	4.8	96	60 - 140
1,2-Dichloropropane	5.0	0.0	4.8	96	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.2	84	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.8	96	60 - 140
Tetrachloroethene	5.0	0.0	4.6	92	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	4.7	94	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.6	92	60 - 140

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054505 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6138.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	4	
75-01-4	Vinyl Chloride	4	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	4	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	4	
75-34-3	1,1-Dichloroethane	4	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	4	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	4	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	4	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	4	
1330-20-7	(m+p) Xylene	9	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	4	
79-34-5	1,1,2,2-Tetrachloroethane	4	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	4	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054505 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6138.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	4	
96-12-8	1,2-Dibromo-3-chloropropane	6	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	4	
87-61-6	1,2,3-Trichlorobenzene	5	

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix Spike - EPA Sample No LCS03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.5	90	60 - 140
1,2-Dichloroethane	5.0	0.0	4.8	96	60 - 140
Carbon Tetrachloride	5.0	0.0	5.0	100	60 - 140
Benzene	5.0	0.0	5.2	104	60 - 140
Trichloroethene	5.0	0.0	5.2	104	60 - 140
1,2-Dichloropropane	5.0	0.0	5.3	106	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.4	88	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.0	100	60 - 140
Tetrachloroethene	5.0	0.0	5.1	102	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	4.7	94	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.9	98	60 - 140

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS03

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054507 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6159.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	4	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	6	
67-64-1	Acetone	0.8	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	5	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	4	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	4	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS03

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054507 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6159.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix Spike - EPA Sample No M-27D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.4	88	60 - 140
1,2-Dichloroethane	5.0	0.0	4.8	96	60 - 140
Carbon Tetrachloride	5.0	10	14	80	60 - 140
Benzene	5.0	0.0	4.9	98	60 - 140
Trichloroethene	5.0	14	18	80	60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	104	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.5	90	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.1	102	60 - 140
Tetrachloroethene	5.0	0.0	4.9	98	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	4.9	98	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.9	98	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	5.0	4.4	88	0	30	60 - 140
1,2-Dichloroethane	5.0	4.8	96	0	30	60 - 140
Carbon Tetrachloride	5.0	15	100	22	30	60 - 140
Benzene	5.0	4.9	98	0	30	60 - 140
Trichloroethene	5.0	19	100	22	30	60 - 140
1,2-Dichloropropane	5.0	5.2	104	0	30	60 - 140
cis-1,3-Dichloropropene	5.0	4.6	92	2	30	60 - 140
1,1,2-Trichloroethane	5.0	5.0	100	2	30	60 - 140
Tetrachloroethene	5.0	4.8	96	2	30	60 - 140
1,2-Dibromoethane	5.0	5.1	102	2	30	60 - 140
Bromoform	5.0	4.8	96	2	30	60 - 140
1,4-Dichlorobenzene	5.0	4.9	98	0	30	60 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27DMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054360 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6121.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	4	
75-01-4	Vinyl Chloride	4	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	6	
75-35-4	1,1-Dichloroethene	6	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	6	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	14	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	18	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	4	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	4	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	4	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27DMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054360 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6121.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27DMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054361 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6122.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	4	
75-01-4	Vinyl Chloride	4	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	6	
75-35-4	1,1-Dichloroethene	6	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	6	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	15	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	19	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	4	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	4	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27DMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054361 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6122.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix Spike - EPA Sample No SW-D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.6	92	60 - 140
1,2-Dichloroethane	5.0	0.0	4.9	98	60 - 140
Carbon Tetrachloride	5.0	1.4	6.4	100	60 - 140
Benzene	5.0	0.0	5.2	104	60 - 140
Trichloroethene	5.0	0.0	5.1	102	60 - 140
1,2-Dichloropropane	5.0	0.0	5.1	102	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.5	90	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.9	98	60 - 140
Tetrachloroethene	5.0	0.0	4.9	98	60 - 140
1,2-Dibromoethane	5.0	0.0	4.9	98	60 - 140
Bromoform	5.0	0.0	4.8	96	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.9	98	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	5.0	4.5	90	2	30	60 - 140
1,2-Dichloroethane	5.0	4.8	96	2	30	60 - 140
Carbon Tetrachloride	5.0	6.3	98	2	30	60 - 140
Benzene	5.0	5.1	102	2	30	60 - 140
Trichloroethene	5.0	5.1	102	0	30	60 - 140
1,2-Dichloropropane	5.0	5.1	102	0	30	60 - 140
cis-1,3-Dichloropropene	5.0	4.5	90	0	30	60 - 140
1,1,2-Trichloroethane	5.0	4.9	98	0	30	60 - 140
Tetrachloroethene	5.0	4.9	98	0	30	60 - 140
1,2-Dibromoethane	5.0	4.8	96	2	30	60 - 140
Bromoform	5.0	4.8	96	0	30	60 - 140
1,4-Dichlorobenzene	5.0	4.9	98	0	30	60 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-DMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054508 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6162.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	6	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	6	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	4	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	4	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	4	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-DMS

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054508 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6162.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-DMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054509 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6163.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	4	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	6	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	6	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	4	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	4	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	4	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-DMSD

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054509 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6163.D

Level: (low/med) LOW Date Received: 10/18/07

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	5	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

M-27DS

ıtract: R2740356

› Code: Case No.: SAS No.: SDG NO.: DGC-3S

:rix (soil/water): WATER Level (low/med): LOW

Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): µG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium	75 - 125	196.0748		1.9200	U	200.00	98.0		P

›mments:

METALS

-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

M-27DA

tract: R2740356

Code: Case No.: SAS No.: SDG NO.: DGC-3S

rix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Chromium		193.02		1.92	U	200.0	96.5		P

ments:

METALS

-6-

DUPLICATES

SAMPLE NO.

M-27DD

tract: R2740356

Code: Case No.: SAS No.: SDG NO.: DGC-3S

rix (soil/water): WATER Level (low/med): LOW

olids for Sample: 0.0 % Solids for Duplicate:

Concentration Units (ug/L or mg/kg dry weight): µG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		1.9200	U	1.9200	U			P

COLUMBIA ANALYTICAL SERVICES

INORGANIC QUALITY CONTROL SUMMARY

Report Date : 11/14/07
CAS Order # : 1046927 - M-27D
Client : Shaw Environmental
GE-MRFA PROJECT #810066
Reported Units: MG/L
Run # : 151894

	PRECISION			ACCURACY			
	ORIGINAL	DUPLICATE	RPD	FOUND	ADDED	% REC.	LIMITS
HEXAVALENT CHROMIUM	0.0100 U	0.0100 U	NC	0.0982	0.100	98	85 - 115

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Lab File ID: V6115.D Lab Sample ID: 1054358 1.0

Date Analyzed: 10/26/07 Time Analyzed: 12:12

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS#6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS01	1054359 1.0	V6116.D	13:01
02	DGC-3S	1046924 1.0	V6117.D	13:36
03	4D	1046925 1.0	V6118.D	14:08
04	DGC-4S	1046926 1.0	V6119.D	14:39
05	M-27D	1046927 1.0	V6120.D	15:11
06	M-27DMS	1054360 1.0	V6121.D	15:42
07	M-27DMSD	1054361 1.0	V6122.D	16:13
08	13D	1046928 1.0	V6123.D	16:45
09	DUPE	1046929 1.0	V6124.D	17:23
10	M-25D	1046930 2.5	V6125.D	17:54
11	11D	1046931 1.0	V6126.D	18:23
12	M-33I	1046932 1.0	V6127.D	18:53
13	M-33S	1046933 1.0	V6128.D	19:28
14	M-24D	1046934 1.0	V6129.D	20:03
15	M-29D	1046935 2.0	V6130.D	20:42
16	14D	1046936 1.0	V6131.D	21:17
17	SW-B	1046937 1.0	V6132.D	21:52
18	SW-G	1046942 1.0	V6133.D	22:28

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054358 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6115.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054358 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6115.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054358 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6115.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/26/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Lab File ID: V6137.D Lab Sample ID: 1054504 1.0

Date Analyzed: 10/27/07 Time Analyzed: 0:49

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS#6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS02	1054505 1.0	V6138.D	1:24
02	SW-F	1046943 1.0	V6139.D	2:00
03	SW-E	1046944 1.0	V6140.D	2:35
04	SW-D	1046947 1.0	V6141.D	3:11
05	SW-A	1046949 1.0	V6142.D	3:46
06	TRIP BLANK	1047009 1.0	V6143.D	4:21
07	TRIP BLANK	1047010 1.0	V6144.D	4:57

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054504 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6137.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054504 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6137.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054504 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6137.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK03

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Lab File ID: V6158.D Lab Sample ID: 1054506 1.0

Date Analyzed: 10/27/07 Time Analyzed: 13:26

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS#6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS03	1054507 1.0	V6159.D	14:09
02	M-25DDL	1046930 5.0	V6160.D	14:50
03	SW-DMS	1054508 1.0	V6162.D	15:51
04	SW-DMSD	1054509 1.0	V6163.D	16:26
05	COOLER BLK	1046950 1.0	V6164.D	17:01

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK03

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054506 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6158.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK03

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054506 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6158.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK03

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Matrix: (soil/water) WATER Lab Sample ID: 1054506 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V6158.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/27/07

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Lab File ID: V5454.D BFB Injection Date: 9/21/07

Instrument ID: GCMS#6 BFB Injection Time: 10:35

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.4
75	30.0 - 66.0% of mass 95	45.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.2
173	Less than 2.0% of mass 174	0.4 (0.4)1
174	50.0 - 120.0% of mass 95	90.5
175	4.0 - 9.0% of mass 174	6.6 (7.3)1
176	93.0 - 101.0% of mass 174	91.2 (100.8)1
177	5.0 - 9.0% of mass 176	7.3 (8.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001/005	VSTD001/005	V5456.D	9/21/07	12:41
02	VSTD002/010	VSTD002/010	V5457.D	9/21/07	13:27
03	VSTD005/025	VSTD005/025	V5458.D	9/21/07	14:02
04	VSTD010/050	VSTD010/050	V5459.D	9/21/07	14:57
05	VSTD025/125	VSTD025/125	V5460.D	9/21/07	15:37

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Lab File ID: V6113.D BFB Injection Date: 10/26/07

Instrument ID: GCMS#6 BFB Injection Time: 11:00

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.9
75	30.0 - 66.0% of mass 95	46.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 120.0% of mass 95	88.1
175	4.0 - 9.0% of mass 174	6.2 (7.0)1
176	93.0 - 101.0% of mass 174	84.5 (95.9)1
177	5.0 - 9.0% of mass 176	5.4 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD #1	VSTD #1	V6114.D	10/26/07	11:37
02	VBLK01	1054358 1.0	V6115.D	10/26/07	12:12
03	LCS01	1054359 1.0	V6116.D	10/26/07	13:01
04	DGC-3S	1046924 1.0	V6117.D	10/26/07	13:36
05	4D	1046925 1.0	V6118.D	10/26/07	14:08
06	DGC-4S	1046926 1.0	V6119.D	10/26/07	14:39
07	M-27D	1046927 1.0	V6120.D	10/26/07	15:11
08	M-27DMS	1054360 1.0	V6121.D	10/26/07	15:42
09	M-27DMSD	1054361 1.0	V6122.D	10/26/07	16:13
10	13D	1046928 1.0	V6123.D	10/26/07	16:45
11	DUPE	1046929 1.0	V6124.D	10/26/07	17:23
12	M-25D	1046930 2.5	V6125.D	10/26/07	17:54
13	11D	1046931 1.0	V6126.D	10/26/07	18:23
14	M-33I	1046932 1.0	V6127.D	10/26/07	18:53
15	M-33S	1046933 1.0	V6128.D	10/26/07	19:28
16	M-24D	1046934 1.0	V6129.D	10/26/07	20:03
17	M-29D	1046935 2.0	V6130.D	10/26/07	20:42
18	14D	1046936 1.0	V6131.D	10/26/07	21:17
19	SW-B	1046937 1.0	V6132.D	10/26/07	21:52
20	SW-G	1046942 1.0	V6133.D	10/26/07	22:28

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Lab File ID: V6135.D BFB Injection Date: 10/26/07

Instrument ID: GCMS#6 BFB Injection Time: 23:38

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.9
75	30.0 - 66.0% of mass 95	49.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.0 (1.0)1
174	50.0 - 120.0% of mass 95	98.6
175	4.0 - 9.0% of mass 174	7.8 (7.9)1
176	93.0 - 101.0% of mass 174	99.3 (100.7)1
177	5.0 - 9.0% of mass 176	5.8 (5.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD #2	VSTD #2	V6136.D	10/27/07	0:14
02	VBLK02	1054504 1.0	V6137.D	10/27/07	0:49
03	LCS02	1054505 1.0	V6138.D	10/27/07	1:24
04	SW-F	1046943 1.0	V6139.D	10/27/07	2:00
05	SW-E	1046944 1.0	V6140.D	10/27/07	2:35
06	SW-D	1046947 1.0	V6141.D	10/27/07	3:11
07	SW-A	1046949 1.0	V6142.D	10/27/07	3:46
08	TRIP BLANK	1047009 1.0	V6143.D	10/27/07	4:21
09	TRIP BLANK	1047010 1.0	V6144.D	10/27/07	4:57

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Lab File ID: V6156.D BFB Injection Date: 10/27/07

Instrument ID: GCMS#6 BFB Injection Time: 12:04

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.2
75	30.0 - 66.0% of mass 95	46.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.6 (0.6)1
174	50.0 - 120.0% of mass 95	89.7
175	4.0 - 9.0% of mass 174	6.6 (7.4)1
176	93.0 - 101.0% of mass 174	89.1 (99.4)1
177	5.0 - 9.0% of mass 176	5.4 (6.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD #3	VSTD #3	V6157.D	10/27/07	12:42
02	VBLK03	1054506 1.0	V6158.D	10/27/07	13:26
03	LCS03	1054507 1.0	V6159.D	10/27/07	14:09
04	M-25DDL	1046930 5.0	V6160.D	10/27/07	14:50
05	SW-DMS	1054508 1.0	V6162.D	10/27/07	15:51
06	SW-DMSD	1054509 1.0	V6163.D	10/27/07	16:26
07	COOLER BLK	1046950 1.0	V6164.D	10/27/07	17:01

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: _____ SDG No.: DGC-3S

Lab File ID (Standard): V6114.D Date Analyzed: 10/26/07

Instrument ID: GCMS#6 Time Analyzed: 11:37

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	IS1 RT #	IS2 AREA #	IS2 RT #	IS3 AREA #	IS3 RT #
	12 HOUR STD	852433	5.91	713820	8.86	396127	10.92
	UPPER LIMIT	1704866	6.41	1427640	9.36	792254	11.42
	LOWER LIMIT	426217	5.41	356910	8.36	198064	10.42
	EPA SAMPLE NO.						
01	VBLK01	822042	5.91	690297	8.86	293749	10.92
02	LCS01	814961	5.91	674836	8.86	371471	10.92
03	DGC-3S	787297	5.92	688880	8.86	297489	10.92
04	4D	761732	5.91	647532	8.87	287667	10.92
05	DGC-4S	764155	5.92	653203	8.86	283145	10.92
06	M-27D	745425	5.92	638303	8.86	291116	10.92
07	M-27DMS	841224	5.92	695928	8.86	390697	10.92
08	M-27DMSD	857434	5.92	708829	8.86	389533	10.92
09	13D	800740	5.92	663835	8.87	298141	10.92
10	DUPE	768034	5.92	643657	8.86	286285	10.92
11	M-25D	780162	5.92	665981	8.86	283281	10.92
12	11D	749949	5.92	628347	8.86	286368	10.92
13	M-33I	737266	5.92	615607	8.87	275249	10.92
14	M-33S	744700	5.92	635264	8.86	282131	10.92
15	M-24D	721938	5.91	617037	8.86	276457	10.92
16	M-29D	732135	5.91	597473	8.86	263955	10.92
17	14D	722795	5.91	611522	8.86	265621	10.92
18	SW-B	705146	5.92	609682	8.86	262458	10.92
19	SW-G	712698	5.92	610770	8.86	259808	10.92

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Lab File ID (Standard): V6136.D Date Analyzed: 10/27/07

Instrument ID: GCMS#6 Time Analyzed: 0:14

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	832363	5.92	707373	8.86	382359	10.92
	UPPER LIMIT	1664726	6.42	1414746	9.36	764718	11.42
	LOWER LIMIT	416182	5.42	353687	8.36	191180	10.42
	EPA SAMPLE NO.						
01	VBLK02	764547	5.92	644446	8.86	277534	10.92
02	LCS02	840167	5.92	692055	8.86	385342	10.92
03	SW-F	776589	5.91	648318	8.86	281322	10.92
04	SW-E	713443	5.91	613484	8.86	274037	10.92
05	SW-D	723050	5.91	620051	8.86	274176	10.92
06	SW-A	722618	5.92	610126	8.86	274369	10.92
07	TRIP BLANK	744348	5.91	618304	8.86	276850	10.92
08	TRIP BLANK	729251	5.92	618083	8.86	269832	10.92

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-40356 SAS No.: SDG No.: DGC-3S

Lab File ID (Standard): V6157.D Date Analyzed: 10/27/07

Instrument ID: GCMS#6 Time Analyzed: 12:42

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 AREA	#	IS1 RT	#	IS2 AREA	#	IS2 RT	#	IS3 AREA	#	IS3 RT	#
	12 HOUR STD	650718		5.92		554397		8.86		290005		10.92	
	UPPER LIMIT	1301436		6.42		1108794		9.36		580010		11.42	
	LOWER LIMIT	325359		5.42		277199		8.36		145003		10.42	
	EPA SAMPLE NO.												
01	VBLK03	592050		5.91		495021		8.86		218146		10.92	
02	LCS03	613654		5.91		499879		8.86		275756		10.92	
03	M-25DDL	610259		5.91		500643		8.86		216337		10.92	
04	SW-DMS	614854		5.91		524035		8.86		280884		10.92	
05	SW-DMSD	636817		5.91		537263		8.86		288221		10.92	
06	COOLER BLK	610906		5.92		505994		8.86		223086		10.92	

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

METALS

-3-

BLANKS

tract: R2740356

Code: Case No.: SAS No.: SDG NO.: DGC-3S

paration Blank Matrix (soil/water): WATER

paration Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium	1.9	U	1.9	U	1.9	U	1.9	U	1.920	U	P

METALS

-3-

BLANKS

ract: R2740356

Code: Case No.: SAS No.: SDG NO.: DGC-3S

aration Blank Matrix (soil/water): WATER

aration Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			1.9	U	1.9	U					P

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2740356
Client: Shaw Environmental
GE-MRFA PROJECT #810066

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
HEXAVALENT CHROMIUM	0.0100 U	0.0996	0.100	100	90 - 109	151894	MG/L

APPENDIX C

DATA VALIDATION REPORTS

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

January 8, 2008

Marc Flanagan
Shaw Environmental
13 British American Blvd.
Latham, NY 12110

RE: Validation of MRFA Malta Site Data Packages
CAS Sub Nos. R2739812, 2740356, and R2740933

Dear Mr. Flanagan:

Review has been completed for the data packages generated by Columbia Analytical Services (CAS), pertaining to aqueous samples collected 9/18/07 through 11/15/07 at the MRFA Malta Site. Twenty-five samples (including three field duplicates), cooler blanks, and trip blanks were processed for site-specific low level volatiles. Three of these and the field duplicate were also analyzed for total and hexavalent chromium. Methodologies utilized are those of the USEPA OLC02.1, EPA CLP ILM and SW846 7196.

Data validation was performed with guidance from the most current editions of the USEPA CLP National Functional Guidelines for Organic and Inorganic Data Review and the USEPA SOPs HW-2 and HW-6, with consideration for the specific methodologies. The following items were reviewed:

* Data Completeness
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration/CRI Standards
* Instrument IDLs
* ICP Serial Dilutions
* Method Compliance
* Sample Result Verification

The items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

In summary, sample processing was conducted primarily with compliance to protocol requirements and with adherence to quality criteria. Sample results are usable as reported, or with minor qualification of some of the volatile results as estimated, or with edit to non-detection. These are discussed in the following analytical sections.

Copies of laboratory case narratives are attached to this narrative, and should be reviewed in conjunction with this narrative. Data summary packages are also submitted with qualifiers applied in red ink to report forms.

Data Completeness

Data packages were complete as received, and no resubmissions were required.

Low Level Volatile Analyses

The results for analytes initially flagged as "E" by the laboratory are to be derived from the dilution analyses of the samples.

The trip and cooler blanks consistently show low-level contamination of acetone (1 ppb to 3 ppb). The detected acetone results for the samples are therefore considered external contamination, and edited to reflect non-detection ("U").

Matrix spikes (MS and MSD) of Influent (9/07), Influent (11/07), SW-D, and M-27D show acceptable accuracy and precision, with the exception of the following analytes, results for which are qualified as estimated in the parent sample:

- Carbon tetrachloride in Influent (9/07) with MS at 150% (above 140%), 58%RPD (above 30%)
- Trichloroethene in Influent (9/07) with MS at 183% (above 140%), 75%RPD (above 30%)
- Carbon tetrachloride in Influent (11/07) with MS at 40% (below 60%), 40%RPD (above 30%)

Acetone and 2-butanone exhibited low relative response factors (RRFs) in the calibration standards that are inherent with the methodology. The usability of those data is evidenced by spike recoveries and calibration standard responses, but the reporting limits for those two compounds in all of the project samples should be considered estimated ("UJ" or "J" qualifiers), possibly biased low. Similarly, results for 1,2-dibromo-3-chloropropane in the samples collected in October and for 2-hexanone in the samples collected in November are qualified as estimated due to low RRFs in the associated calibration standards. Other calibration standard responses are acceptable.

Volatile field duplicate correlations for Effluent (11/07), Influent (9/07), and 31D are well within validation guidelines.

Total Chromium Analyses

The matrix spike/lab duplicate accuracy and precision determinations were performed on M-27D, and show recoveries and duplicate correlations within recommended limits.

Field duplicate evaluation for 13D shows good correlation.

The serial dilution evaluation of M-27D is not applicable due to low sample concentrations.

Instrument performance was acceptable. Reported results are substantiated by the raw data, and generated in compliance with required protocols. Quality control parameter results meet validation requirements.

Hexavalent Chromium Analyses

Review was conducted for method compliance, holding times, transcription, calculations, standard and blank acceptability, accuracy and precision, etc., as applicable to the procedure. All were found to be acceptable unless noted below.

The matrix spike/lab duplicate accuracy and precision determinations were performed on M-27D, and show recoveries and duplicate correlations within recommended limits.

The field duplicate correlation for 13D was within guidelines.

Holding times were met. Reported results are substantiated by the raw data, and generated in compliance with required protocols.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

U - **The analyte was analyzed for, but was not detected above the reported sample quantitation limit.**

J - **The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.**

N - **The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."**

NJ - **The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.**

UJ - **The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.**

R - **The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.**

LABORATORY SAMPLE IDs AND CASE NARRATIVES

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #: 1038061	BATCH COMPLETE: __yes_____	DATE REVISED:
SUBMISSION R2739812	DISKETTE REQUESTED: Y_X__ N____	DATE DUE: 10/15/07
CLIENT: Shaw Environmental	DATE: 9/19/07	PROTOCOL: OLC
CLIENT REP: Janice Jaeger	CUSTODY SEAL: PRESENT/ABSENT: P	SHIPPING No.:
PROJECT: MRFA PROJECT# 810066	CHAIN OF CUSTODY: PRESENT/ABSENT: P	

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS AMPLE CONDITION
1038061 QC	INFLUENT	WATER	VOA OLC 2.1	9/18/2007	9/19/07			
1038062	EFFLUENT	WATER	VOA OLC 2.1	9/18/2007	9/19/07			
1038063	DUPE A	WATER	VOA OLC 2.1	9/18/2007	9/19/07			
1038064	TRIP BLANK	WATER	VOA OLC 2.1	9/17/2007	9/19/07			
			Add 3 extra compounds					

SDG #: DGC-3S
SUBMISSION R2740356
CLIENT: Shaw Environmental
CLIENT REP: Carlton Beechler
PROJECT: GE-MRFA PROJECT #810066

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y_X__ N____
DATE: 10/18/07
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED: 10/18/07 CORR
DATE DUE: 11/08/07
PROTOCOL: CLP
SHIPPING No.:

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
1046924	DGC-3S	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046925	4D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046926	DGC-4S	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046927QC	M-27D	WATER	OLC2.1 VOA,CR,CR6	10/17/2007	10/18/07			
1046928	13D	WATER	OLC2.1 VOA,CR,CR6	10/17/2007	10/18/07			
1046929	DUPE	WATER	OLC2.1 VOA,CR,CR6	10/17/2007	10/18/07			
1046930	M-25D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046931	11D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046932	M-33I	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046933	M-33S	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046934	M-24D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046935	M-29D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046936	14D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			
1046937	SW-B	WATER	OLC2.1 VOA,CR,CR6	10/17/2007	10/18/07			
1046942	SW-G	WATER	OLC2.1 VOA	10/16/2007	10/18/07			
1046943	SW-F	WATER	OLC2.1 VOA	10/16/2007	10/18/07			
1046944	SW-E	WATER	OLC2.1 VOA	10/16/2007	10/18/07			
1046947	SW-D	WATER	OLC2.1 VOA	10/16/2007	10/18/07			
1046949	SW-A	WATER	OLC2.1 VOA	10/16/2007	10/18/07			
1046950	COOLER BLANK	WATER	OLC2.1 VOA	10/18/2007	10/18/07			
1047009	Trip Blank	Water	OLC 2.1 VOA	10/18/2007	10/18/07			
1047010	Trip Blank	Water	OLC 2.1 VOA	10/18/2007	10/18/07			

BATCHIN1

10/18/2007

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #: EFFLUENT	BATCH COMPLETE: __yes_____	DATE REVISED:
SUBMISSION R2740933	DISKETTE REQUESTED: Y_X__ N____	DATE DUE: 12/11/07
CLIENT: Shaw Environmental	DATE: 11/16/07	PROTOCOL: CLP
CLIENT REP: Carlton Beechler	CUSTODY SEAL: PRESENT/ABSENT:	SHIPPING No.:
PROJECT: GE MRFA PROJECT #810066	CHAIN OF CUSTODY: PRESENT/ABSENT:	

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS AMPLE CONDITION
1055419	EFFLUENT	WATER	OLC2.1 VOA	11/15/2007	11/16/07			
1055421QC	INFLUENT	WATER	OLC2.1 VOA	11/15/2007	11/16/07			
1055423	DUPE A	WATER	OLC2.1 VOA	11/15/2007	11/16/07			
1055426	TRIP BLANK	WATER	OLC2.1 VOA	11/15/2007	11/16/07			
1055428	COOLER BLANK	WATER	OLC2.1 VOA	11/15/2007	11/16/07			

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2739812

Shaw samples were sampled on 9/17-18/07 and received at CAS on 9/19/07 in good condition and within 1-6 degrees C.

VOLATILE ORGANICS

Three water samples and one trip blank were analyzed for OLC2.1 Volatiles by CLP methodology.

Hits between the MDL and PQL are flagged with a "J" as estimated.

All the initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on Sample Influent as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) with the exception of Carbon Tetrachloride and Trichloroethene. These targets were outside of acceptable range high in the MSD. All Blank Spike recoveries were within limits. All RPD's between the MS/MSD were within limits with the exception of Carbon Tetrachloride and Trichloroethene. All QC outliers are "*" flagged.

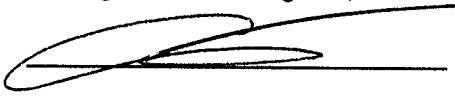
Various compounds for several samples have been flagged with an "E" as being outside the calibration range of the instrument. The sample was repeated at a dilution and both sets of data have been reported.

The Laboratory blanks associated with these samples were free of contamination.

All samples were analyzed within recommended holding times.

No analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details conditioned above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:



CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2740356

Shaw samples were sampled on 9/17-18/07 and received at CAS on 9/19/07 in good condition and within 1-6 degrees C.

VOLATILE ORGANICS

Twenty water samples and two trip blanks were analyzed for Low Level Volatiles by OLC2.1 CLP methodology.

Hits between the MDL and PQL are flagged with a "J" as estimated.

All the initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the OLC 2.1 VOA analysis. The 30 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

Site specific QC was performed on sample M-27D as requested and also on sample SW-D. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) were within acceptable range. The Relative Percent Differences between the MS/MSD were within limits. All Laboratory Control Sample recoveries were within limits.

Carbon Tetrachloride was detected in sample M-25D outside the calibration range of the instrument and is flagged with an "E". The sample was reanalyzed at dilution and the compound has been re-flagged with a "D", demonstrating that it is now within the calibration range of the instrument. Both sets of data are reported.

The Laboratory blanks associated with these samples were free of contamination with the exception of a low level hit of Acetone in the 10/26/07 blank. Affected data is "B" flagged.

The Cooler Blank and Trip Blanks associated with these samples were free of contamination with the exception of low level hits of Acetone in each one.

All samples were analyzed within recommended holding times.

No analytical or QC problems were encountered.

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2740356

INORGANICS

Four water samples were analyzed for Total and Hexavalent Chromium. Please see attached data pages for method numbers.

Site specific QC was performed on M-27D as requested. The Matrix Spike, Blank Spike and Laboratory Control Sample recoveries were within acceptable limits. The Relative Percent Difference (RPD) between the duplicate analyses was within limits.

Hits between the MDL and PQL are flagged with a "B" as estimated.

No analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details conditioned above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:

CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066 SUBMISSION #: R2740933

Shaw samples were sampled on 11/15/07 and received at CAS on 11/16/07 in good condition and within 1-6 degrees C.

VOLATILE ORGANICS

The water samples, one cooler blank and one trip blank were analyzed for Low Level Volatiles by OLC2.1 CLP methodology.

Hits between the MDL and PQL are flagged with a "J" as estimated.

All the initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the OLC 2.1 VOA analysis. The 30 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

Site specific QC was performed on sample INFLUENT as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) were within acceptable range with the exception of the MS recovery for Carbon Tetrachloride was outside of acceptable range low. The MSD was within range. The data was not significantly affected. The Relative Percent Differences between the MS/MSD were within limits with the exception of Carbon Tetrachloride. The variability in the results is attributed to the heterogeneous character of the sample. Recovery in the Laboratory Control Samples (LCS) for Carbon Tetrachloride was acceptable, which indicates the analytical batch was in control. No further corrective action was appropriate. All QC outliers are "*" flagged. All Laboratory Control Sample recoveries were within limits.

Carbon Tetrachloride and Trichloroethene were detected in sample EFFLUENT outside the calibration range of the instrument and are flagged with an "E". The sample was reanalyzed at dilution and the compounds have been re-flagged with a "D", demonstrating that they are now within the calibration range of the instrument. Both sets of data are reported.

The Laboratory Blanks associated with these samples were free of contamination with the exception of a low level hit of Acetone in the 11/23/07 blank. Affected data is "B" flagged.

The Cooler Blank and Trip Blank associated with these samples were free of contamination with the exception of low level hits of Acetone and Methylene Chloride in the Trip Blank and a low level hit of Acetone in the Cooler Blank.

All samples were analyzed within recommended holding times.

No other analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details conditioned above. Release of the data contained in this hard copy data package has been authorized by the Laboratory

APPENDIX D

AIR STRIPPER FLOW DATA

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
6/30/2007	Total	1,420	20	0.99	0.01	1.00
7/1/2007	Total	1,190	30	0.83	0.02	0.85
7/2/2007	Total	1,630	40	1.13	0.03	1.16
7/3/2007	Total	1,370	40	0.95	0.03	0.98
7/4/2007	Total	1,360	40	0.94	0.03	0.97
7/5/2007	Total	1,340	50	0.93	0.03	0.97
7/6/2007	Total	1,330	70	0.92	0.05	0.97
7/7/2007	Total	1,450	140	1.01	0.10	1.10
7/8/2007	Total	1,270	130	0.88	0.09	0.97
7/9/2007	Total	1,120	130	0.78	0.09	0.87
7/10/2007	Total	1,320	140	0.92	0.10	1.01
7/11/2007	Total	1,210	170	0.84	0.12	0.96
7/12/2007	Total	1,360	160	0.94	0.11	1.06
7/13/2007	Total	1,380	210	0.96	0.15	1.10
7/14/2007	Total	1,920	210	1.33	0.15	1.48
7/15/2007	Total	1,050	140	0.73	0.10	0.83
7/16/2007	Total	850	110	0.59	0.08	0.67
7/17/2007	Total	890	150	0.62	0.10	0.72
7/18/2007	Total	2,060	290	1.43	0.20	1.63
7/19/2007	Total	1,800	250	1.25	0.17	1.42
7/20/2007	Total	1,250	230	0.87	0.16	1.03
7/21/2007	Total	1,170	180	0.81	0.13	0.94
7/22/2007	Total	990	150	0.69	0.10	0.79
7/23/2007	Total	990	150	0.69	0.10	0.79
7/24/2007	Total	1,270	210	0.88	0.15	1.03
7/25/2007	Total	1,150	210	0.80	0.15	0.94
7/26/2007	Total	900	160	0.63	0.11	0.74
7/27/2007	Total	1,270	190	0.88	0.13	1.01
7/28/2007	Total	1,090	170	0.76	0.12	0.88
7/29/2007	Total	1,000	150	0.69	0.10	0.80
7/30/2007	Total	1,010	170	0.70	0.12	0.82
7/31/2007	Total	1,800	270	1.25	0.19	1.44
8/1/2007	Total	1,040	170	0.72	0.12	0.84
8/2/2007	Total	1,030	170	0.72	0.12	0.83
8/3/2007	Total	1,140	190	0.79	0.13	0.92
8/4/2007	Total	1,020	190	0.71	0.13	0.84
8/5/2007	Total	580	120	0.40	0.08	0.49
8/6/2007	Total	680	160	0.47	0.11	0.58
8/7/2007	Total	1,050	240	0.73	0.17	0.90
8/8/2007	Total	790	170	0.55	0.12	0.67
8/9/2007	Total	1,110	220	0.77	0.15	0.92
8/10/2007	Total	1,090	230	0.76	0.16	0.92
8/11/2007	Total	1,150	210	0.80	0.15	0.94
8/12/2007	Total	790	160	0.55	0.11	0.66
8/13/2007	Total	880	180	0.61	0.13	0.74
8/14/2007	Total	1,070	190	0.74	0.13	0.88
8/15/2007	Total	880	180	0.61	0.13	0.74
8/16/2007	Total	1,070	220	0.74	0.15	0.90
8/17/2007	Total	1,050	220	0.73	0.15	0.88
8/18/2007	Total	1,040	230	0.72	0.16	0.88

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
8/19/2007	Total	870	190	0.60	0.13	0.74
8/20/2007	Total	950	220	0.66	0.15	0.81
8/21/2007	Total	950	230	0.66	0.16	0.82
8/22/2007	Total	860	200	0.60	0.14	0.74
8/23/2007	Total	1,020	260	0.71	0.18	0.89
8/24/2007	Total	980	240	0.68	0.17	0.85
8/25/2007	Total	990	260	0.69	0.18	0.87
8/26/2007	Total	870	200	0.60	0.14	0.74
8/27/2007	Total	880	190	0.61	0.13	0.74
8/28/2007	Total	1,030	220	0.72	0.15	0.87
8/29/2007	Total	1,070	220	0.74	0.15	0.90
8/30/2007	Total	980	220	0.68	0.15	0.83
8/31/2007	Total	860	150	0.60	0.10	0.70
9/1/2007	Total	1,160	200	0.81	0.14	0.94
9/2/2007	Total	970	190	0.67	0.13	0.81
9/3/2007	Total	790	130	0.55	0.09	0.64
9/4/2007	Total	970	180	0.67	0.13	0.80
9/5/2007	Total	1,150	220	0.80	0.15	0.95
9/6/2007	Total	1,040	220	0.72	0.15	0.88
9/7/2007	Total	950	190	0.66	0.13	0.79
9/8/2007	Total	950	190	0.66	0.13	0.79
9/9/2007	Total	970	170	0.67	0.12	0.79
9/10/2007	Total	990	160	0.69	0.11	0.80
9/11/2007	Total	970	160	0.67	0.11	0.78
9/12/2007	Total	1,050	190	0.73	0.13	0.86
9/13/2007	Total	990	190	0.69	0.13	0.82
9/14/2007	Total	840	170	0.58	0.12	0.70
9/15/2007	Total	1,030	220	0.72	0.15	0.87
9/16/2007	Total	860	180	0.60	0.13	0.72
9/17/2007	Total	870	190	0.60	0.13	0.74
9/18/2007	Total	1,050	210	0.73	0.15	0.88
9/19/2007	Total	1,130	210	0.78	0.15	0.93
9/20/2007	Total	1,140	190	0.79	0.13	0.92
9/21/2007	Total	1,410	210	0.98	0.15	1.13
9/22/2007	Total	1,170	150	0.81	0.10	0.92
9/23/2007	Total	990	140	0.69	0.10	0.78
9/24/2007	Total	1,000	140	0.69	0.10	0.79
9/25/2007	Total	1,340	190	0.93	0.13	1.06
9/26/2007	Total	1,330	200	0.92	0.14	1.06
9/27/2007	Total	890	140	0.62	0.10	0.72
9/28/2007	Total	1,140	200	0.79	0.14	0.93
9/29/2007	Total	1,060	200	0.74	0.14	0.88
9/30/2007	Total	790	140	0.55	0.10	0.65
10/1/2007	Total	1,040	190	0.72	0.13	0.85
10/2/2007	Total	950	110	0.66	0.08	0.74
10/3/2007	Total	1,000	120	0.69	0.08	0.78
10/4/2007	Total	810	110	0.56	0.08	0.64
10/5/2007	Total	900	120	0.63	0.08	0.71
10/6/2007	Total	1,000	130	0.69	0.09	0.78
10/7/2007	Total	810	100	0.56	0.07	0.63
10/8/2007	Total	900	120	0.63	0.08	0.71

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
10/9/2007	Total	820	120	0.57	0.08	0.65
10/10/2007	Total	1,350	210	0.94	0.15	1.08
10/11/2007	Total	830	110	0.58	0.08	0.65
10/12/2007	Total	1,000	140	0.69	0.10	0.79
10/13/2007	Total	1,000	150	0.69	0.10	0.80
10/14/2007	Total	810	120	0.56	0.08	0.65
10/15/2007	Total	820	130	0.57	0.09	0.66
10/16/2007	Total	980	170	0.68	0.12	0.80
10/17/2007	Total	990	130	0.69	0.09	0.78
10/18/2007	Total	990	170	0.69	0.12	0.81
10/19/2007	Total	1,080	180	0.75	0.13	0.88
10/20/2007	Total	1,210	210	0.84	0.15	0.99
10/21/2007	Total	860	160	0.60	0.11	0.71
10/22/2007	Total	810	140	0.56	0.10	0.66
10/23/2007	Total	1,160	200	0.81	0.14	0.94
10/24/2007	Total	1,070	180	0.74	0.13	0.87
10/25/2007	Total	1,080	180	0.75	0.13	0.88
10/26/2007	Total	740	110	0.51	0.08	0.59
10/27/2007	Total	1,000	160	0.69	0.11	0.81
10/28/2007	Total	810	130	0.56	0.09	0.65
10/29/2007	Total	820	120	0.57	0.08	0.65
10/30/2007	Total	1,010	150	0.70	0.10	0.81
10/31/2007	Total	1,000	140	0.69	0.10	0.79
11/1/2007	Total	1,190	180	0.83	0.13	0.95
11/2/2007	Total	990	150	0.69	0.10	0.79
11/3/2007	Total	1,190	190	0.83	0.13	0.96
11/4/2007	Total	730	110	0.51	0.08	0.58
11/5/2007	Total	850	120	0.59	0.08	0.67
11/6/2007	Total	990	150	0.69	0.10	0.79
11/7/2007	Total	1,000	140	0.69	0.10	0.79
11/8/2007	Total	830	110	0.58	0.08	0.65
11/9/2007	Total	930	120	0.65	0.08	0.73
11/10/2007	Total	1,010	140	0.70	0.10	0.80
11/11/2007	Total	740	100	0.51	0.07	0.58
11/12/2007	Total	730	100	0.51	0.07	0.58
11/13/2007	Total	1,110	150	0.77	0.10	0.88
11/14/2007	Total	970	110	0.67	0.08	0.75
11/15/2007	Total	1,010	160	0.70	0.11	0.81
11/16/2007	Total	1,090	150	0.76	0.10	0.86
11/17/2007	Total	1,180	190	0.82	0.13	0.95
11/18/2007	Total	3,360	400	2.33	0.28	2.61
11/19/2007	Total	3,660	390	2.54	0.27	2.81
11/20/2007	Total	1,260	220	0.88	0.15	1.03
11/21/2007	Total	900	130	0.63	0.09	0.72
11/22/2007	Total	870	160	0.60	0.11	0.72
11/23/2007	Total	780	150	0.54	0.10	0.65
11/24/2007	Total	760	130	0.53	0.09	0.62
11/25/2007	Total	730	100	0.51	0.07	0.58
11/26/2007	Total	740	120	0.51	0.08	0.60
11/27/2007	Total	930	170	0.65	0.12	0.76
11/28/2007	Total	820	140	0.57	0.10	0.67

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
11/29/2007	Total	920	160	0.64	0.11	0.75
11/30/2007	Total	840	130	0.58	0.09	0.67
12/1/2007	Total	750	130	0.52	0.09	0.61
12/2/2007	Total	760	130	0.53	0.09	0.62
12/3/2007	Total	750	100	0.52	0.07	0.59
Grand Total		**166,990**	**26,120**	**0.739**	**0.116**	**0.8542**

APPENDIX E

TELEPHONE INTERVIEW LOGS

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed:	✓	**New York State Energy Research and Developmental Authority**
New York State Energy Research and Developmentt Authority		~~**Saratoga Economic Development Corporation**~~
		~~**Town of Malta, New York State**~~
Date of Interview: 1/25/08		**Agency/Property Owner Representative:** Mitchell Khosrova
Interview Questions:		**Representative Response:**
Do you have any knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.		No.
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?		Yes, but no groundwater to be used. Other parties involved with NYSERDA have been provided the restrictions, specifically Verizon
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?		Yes.
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.		Yes, they have been provided to Luther Forest Technology Campus Economic Development Corporation and the Town of Malta
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?		No.
Interview completed by: Brian Neumann		Interviewer Signature/Date: 1/25/08

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: Town of Malta		~~New York State Energy Research and Developmental Authority~~
		~~Saratoga Economic Development Corporation~~
	✓	**Town of Malta, New York State**
Date of Interview: 1/8/2008		**Agency/Property Owner Representative:** Kevin King
Interview Questions:		**Representative Response:**
Do you have any knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.		No.
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?		Nothing this year.
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?		Yes, but would like to receive more information on the new road construction
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.		No.
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?		No.
Interview completed by: Marc Flanagan		Interviewer Signature/Date: -FOR- 1/28/08

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Property Owner Interviewed: Saratoga Economic Developmentt Corporation		~~New York State Energy Research and Developmental Authority~~
	✓	**Saratoga Economic Development Corporation**
		~~Town of Malta, New York State~~
Date of Interview: 1/7/2008		**Agency/Property Owner Representative:** Jon Kelly
Interview Questions:		**Representative Response:**
Do you have any knowledge of current or potential future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.		No.
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?		Yes, PDD zone for nanotech park and in 2008 Town of Malta roadways
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?		Not familiar with this requirement
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.		No.
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?		Yes, land swap with NYSERDA
Interview completed by: Marc Flanagan		Interviewer Signature/Date: -For- 1/28/08