Fax: 518.783.8397



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

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Submitted to:

General Electric Company Corporate Environmental Programs 319 Great Oaks Boulevard Albany, New York 12203

Submitted by:

Shaw Environmental, Inc. 13 British American Boulevard Latham, New York 12110 **CERTIFICATION**: This document has been reviewed and is prepared in accordance with the contract documents.

Brian Neumann, PG, CPG

Mus Mullin

Project Manager/Secondary Operator

Jennifer Flanagan

Project Scientist

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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 <u>Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, IT Corporation, Inc., January 15, 2002</u>, 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 μ g/l (estimated) concentration and 33 μ g/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 μ g/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	September 18, 2007	38 J	<1.0	5
Tetrachloride	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 μ g/l (estimated) and 53 μ g/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 μ g/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 μ g/l and 5 μ g/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.

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3.1 Sample Collection

Recent modifications to the EWMS monitoring program have been specified in <u>Addendum No. 1</u>, 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 μ g/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 μ g/l.

None of the sample locations analyzed for hexavalent chromium indicated a concentration above method detection limits. The NYSGWS for hexavalent chromium is $50 \,\mu g/l$.

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 μ g/l, 1 μ g/l, 9 μ g/l, 65 μ g/l, 10 μ g/l, and 34 μ g/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 μ g/l (estimated concentration), 6 μ g/l, 0.7 (estimated concentration), 3 μ g/l and 2 μ g/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 μ g/l, 14 μ g/l, 11 μ g/l and 1 μ g/l respectively. Trichlorofluoromethane was detected in monitoring well M-27D at an estimated concentration of 0.8 μ g/l. 1,1,1-Trichloroethane was detected in monitoring well M-29D at a concentration of 3 μ g/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 μ g/l. TCE was detected in sample SW-B at an estimated concentration of 0.4 μ g/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.

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

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.

5.1 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 FWMS

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 μ g/l (estimated), 6 μ g/l, 0.7 μ g/l (estimated), 3 μ g/l and 2 μ g/l, respectively. The NYSGWS for chloroform is 7 μ g/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 μ g/l. The NYSGWS for trichlorofluoromethane is 5 μ g/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.

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

Equipment Name	Item	Action	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 Annually wear		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	Check for proper operation. System should alarm after pre-set delay period.	Monthly	Adjust frequency depending on operating experience
	Blower Low Pressure			
	Blower Low Amps			
	Building Low Temperature			

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

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

1	2	3					4					5
DATE	TIME	WATER FLOWLINE 1D						WATI	ER FLOWLII		PROBLEMS OR COMMENTS	
		1D LINE	1D LINE	ELAPSED	TOTAL	AVG FLOW	2D LINE	2D LINE	ELAPSED	TOTAL	AVG FLOW	
		FLOW	TOTALIZER	TIME	FLOW	THIS	FLOW	TOTALIZER	TIME	FLOW	THIS	
		METER RDG(GPM)	RDG(GAL)	(DAYS)	THIS PERIOD	PERIOD (GPM)	METER RDG(GPM)	RDG(GAL)	(DAYS)	THIS PERIOD	PERIOD (GPM)	
		RDG(GIWI)			(GAL)	(01141)	RDG(GIWI)			(GAL)	(01111)	
												Recorded in previous report, replicated here
6/14/2007	12:30	0.0	4,662,500	31	NA	NA	7.0	6,319,500	31	NA	NA	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	
20/ 20/ 2001			2,002,200			0.20		0,200,000				
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 / 1 / 2007	12.00	1.0	4 (00 000	10	2 200	0.12		6 E44 E00	10	22 200	0.00	
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	SAMPLES	AIR	PROBLEMS OR COMMENTS
		LEVEL	PROBE	TAKEN?	BLOWER	
		(FT)	OK?		PRESSURE	
					OK?	
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°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°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**

Remedial
Action

	Action						DUPE				
Compound	Objective	DGC-3S	DGC-4S	4D	11D	13D	(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

рН	 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 μ g/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

	Remedial												
	Action				Trip	Trip	Cooler						
Compound	Objective	M-29D	M-33S	M-33I	Blank 1	Blank 2	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 μ g/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.

	Remedial										
Wells / Compounds	Action	6/29-			1/19-	4/18-	7/20-	10/11-	1/19-		
DGC-3S	Objective	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
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
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:

Units are $\mu g/l$ (ppb) unless otherwise stated.

Only detected compounds are listed.

 $NA = Not \ analyzed.$

ND = Not detected.

 $NS = Not \ sampled.$

 $B=\mbox{The}$ reported value is less than the CRQL/CRDL but greater than the IDL.

 $dp = Duplicate \ sample.$

 $E = Estimated \ concentration: \ due \ to \ interference.$

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

-- = Not sampled: well installed in December, 1990.

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** = Filtered Sample.

	Remedial											
Wells / Compounds	Action					4/8-	6/12-	9/23-	12/26-	2/10-	6/1-	9/28-
DGC-3S	Objective	11/30/1989	5/30/90	8/28/90	12/6/90	4/10/1991	6/13/1991	9/24/1991	12/27/91	2/11/92	6/2/1992	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
Carbon Disulfide Chromium	None* 50*					ND/0.5Vdp NA	ND NA	ND 15.9	ND 11.9 E	ND ND/ND*	ND/ND*	ND/ND dp ND/ND dp
138	30					NA	NA NA	15.5	11.0 E	NDIND	NBIND	<i>Пъл</i> пъ ар
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:

Units are $\mu g/l$ (ppb) unless otherwise stated. Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

 $NS=Not\ sampled.$

 $B=\mbox{The reported}$ value is less than the CRQL/CRDL but greater than the IDL.

 $dp = Duplicate\ sample.$

 $E = Estimated \ concentration; \ due \ to \ interference.$

D = Concentration determined from a sample dilution.

J = Estimated concentration.

 $V = Estimated \ concentration; \ due \ to \ variance \ to \ quality \ control \ limits.$

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** = Filtered Sample.

	Remedial											
Wells / Compounds	Action	11/18-	3/17-	5/25-	8/24-	11/8-	2/22-	5/18-	8/24-	11/15-		
DGC-3S	Objective	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
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
DGC-4S												
Chromium	50*	8.6 B	48.1/ND*	ND	3.3B	ND	31.2/ND*	ND/ND dp	5.6 B	ND	NA	NA
138												
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

Notes:

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Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

 $NS=Not\ sampled.$

 $B=\mbox{The reported}$ value is less than the CRQL/CRDL but greater than the IDL.

 $dp = Duplicate \ sample.$

 $E = Estimated \ concentration; \ due \ to \ interference.$

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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** = Filtered Sample.

Wells / Compounds	Remedial Action											
DGC-3S	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
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
Carbon Disulfide Chromium	None* 50*	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA
13S Benzene	0.7*	NA	NA	1U	1U	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	None*	NA NA	NA NA	1U	1U	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Carbon Tetrachloride	None ·	NA NA	NA NA	1U	8	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Chloroform	7	NA	NA NA	1U	1U	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Trichloroethene	5	NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA
Trichlorofluoromethane	5*	NA	NA	NA	NA NA	NA NA	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

Notes:

Units are $\mu g/l$ (ppb) unless otherwise stated. Only detected compounds are listed.

NA = Not analyzed.

 $ND = Not \ detected. \\$

 $NS=Not\ sampled.$

 $B=\mbox{The reported}$ value is less than the CRQL/CRDL but greater than the IDL.

 $dp = Duplicate \ sample.$

 $E = Estimated \ concentration; \ due \ to \ interference.$

D = Concentration determined from a sample dilution.

 $J = Estimated \ concentration. \\$

 $V = Estimated \ concentration; \ due \ to \ variance \ to \ quality \ control \ limits.$

-- = Not sampled: well installed in December, 1990.

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for comparison purposes only.

 $** = Filtered\ Sample.$

Wells / Compounds	Remedial Action												
DGC-3S	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
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
Carbon Disulfide Chromium	None* 50*	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA
Chroinium	30*	INA	NA	INA	INA	NA	INA	NA	INA	INA	INA	INA	INA
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:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected. NS = Not sampled.

 $B=\mbox{The reported}$ value is less than the CRQL/CRDL but greater than the IDL.

 $dp = Duplicate \ sample.$

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.

- - = Not sampled: well installed in December, 1990.

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** = Filtered Sample.

SUMMARY OF WATER QUALITY ANALYTICAL RESULTS MONITORING WELLS M-27S, M-27D, M-33S, M-33I

JUNE 1992 - OCTOBER 2007 SEMI-ANNUAL SAMPLING

Remedial

Action

M-27S	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**	19.8/ND**	not sampled	ND/ND dp	ND	ND	ND	ND	1.2B	ND	4.6 BJ /	1.4 B /
		2.0 B/ND** dp										4.8 BJ dp	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	·,····	.,				,	,	·		·	ç		
VOCs	-	not sampled	not sampled	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes

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

Only detected compounds are listed.

 $NA = Not \ analyzed.$

 $ND = Not \ detected. \\$

 $\label{eq:J} J = Estimated \ concentration.$

dp = Duplicate sample.

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

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SUMMARY OF WATER QUALITY ANALYTICAL RESULTS MONITORING WELLS M-27S, M-27D, M-33S, M-33I

JUNE 1992 - OCTOBER 2007 SEMI-ANNUAL SAMPLING

Remedial

Action

M-27S	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 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.

 $ND = Not \ detected. \\$

 $\label{eq:J} J = Estimated \ concentration.$

dp = Duplicate sample.

 $B=\mbox{The reported}$ 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.

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	1	1		1	1	1	T .	Г			Г	1	1	T	1	1	Г		
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 A	ddendum 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 Ad	ldendum 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 A	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 NS	NS	NS NS	NS
1 I CHIOI OCUICHE		11/0	13/2	1713	170	170	17/2	170	1713	170	170	11/2	11/0	11/0	11/2	17/0	11/0	177.5	170

Notes

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

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NA = Not analyzed.

ND = Not detected.

ND = Not detected

NS = Not Sampled.

dp = Duplicate sample.

 $B=\mbox{The reported}$ 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.

 $\label{eq:J} J = Estimated \ concentration.$

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

 $R = Rejected \ during \ data \ validation.$

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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
Cinomian	50	1.01	0.0			112	110	110	0.1 D		3.22	110		11.0						1121
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 Ad	ldendum 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 Ad	dendum 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 A	ddendum 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.

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NA = Not analyzed. ND = Not detected.

 $NS = Not \ Sampled.$

dp = Duplicate sample.

 $\boldsymbol{B} = The \ reported \ value \ is less than the CRQL/CRDL but$

greater than the IDL.

 $\label{eq:D} D = Concentration \ determined \ from \ a \ sample \ dilution.$

E = Estimated concentration : due to interference.

J = Estimated concentration.

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

 $R = Rejected \ during \ data \ validation.$

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** = 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

SW-A	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
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	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 Ad	dendum 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 Ad	dendum 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 A	ddendum 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

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NA = Not analyzed.

 $ND = Not \ detected. \\$

NS = Not Sampled.

dp = Duplicate sample.

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

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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.

 $R = Rejected \ during \ data \ validation.$

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 $** = Filtered\ Sample.$

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									
4D	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
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	1
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	1
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	1
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	1
11D										
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	1
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	1
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	1
M-25D										
Acetone	50	ND	ND R	ND	ND	ND	49 D*	25 JD	ND	1
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	1
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 $\mu g/l$ (ppb) unless otherwise stated. $D^* = \text{Concentration determined from a sample dilution.}$

Only detected compounds are listed. J = Estimated concentration.

See Remedial Investigation report for additional c V = Estimated concentration: due to variance to quality

NA = Not analyzed. control limits.

ND = Not detected. -- = Not sampled: well installed in December, 1990.

 $NS = Not \ sampled. \\ 8 \ Based \ on \ NYSDEC \ Final \ Combined \ Regulatory \ Impact \ and \ Environmental \\ B = The \ reported \ value \ is less than the \ CRQL/CR \qquad Impact \ Statement \ (Title 6, Chapter X, Parts \ 700-706, 1998), identified$

dp = Duplicate sample. for comparison purposes only.

E = Estimated concentration: due to interference. ** = Filtered Sample.

R = Analysis rejected

FIGURES

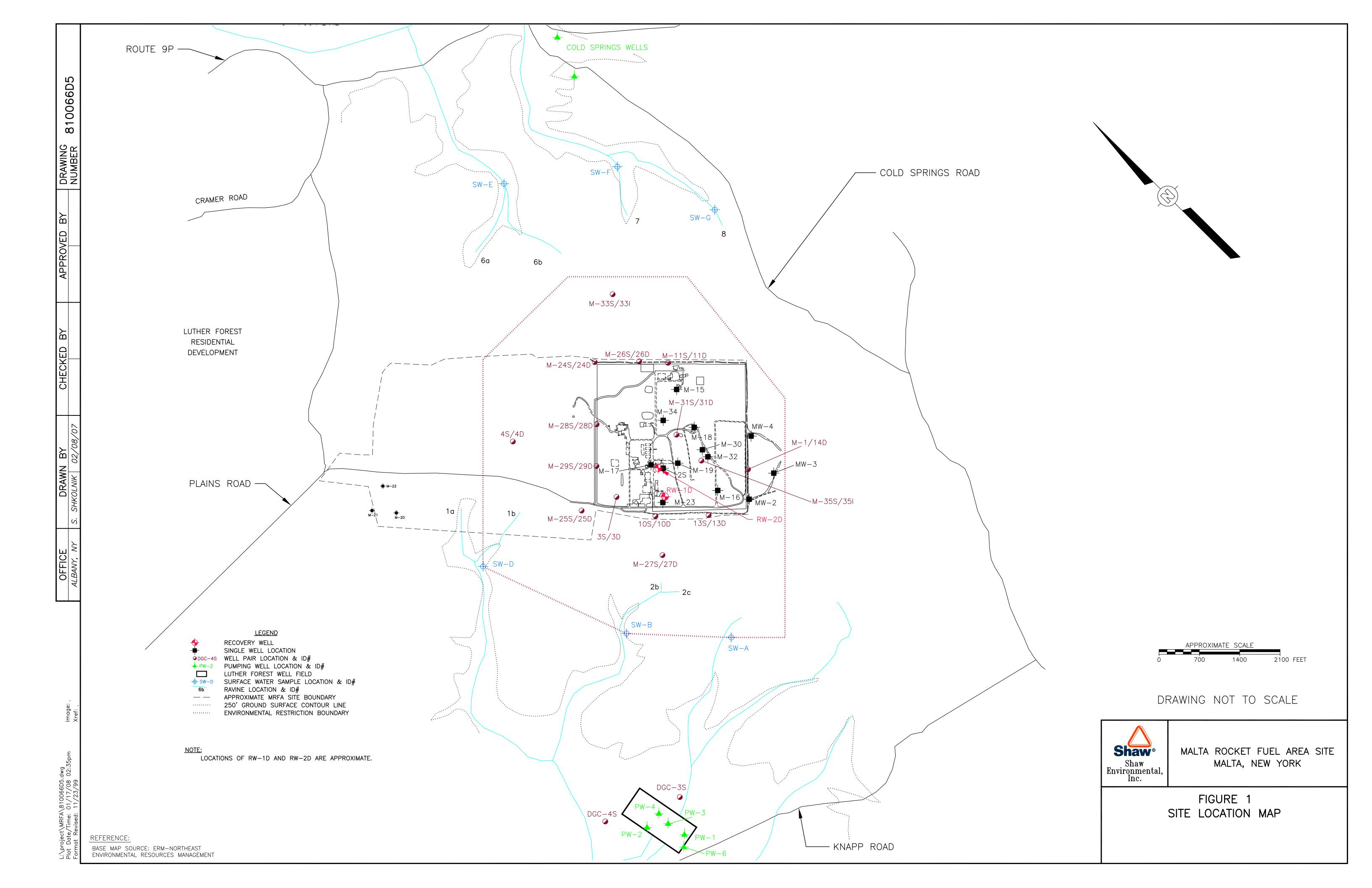


FIGURE 2
WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS

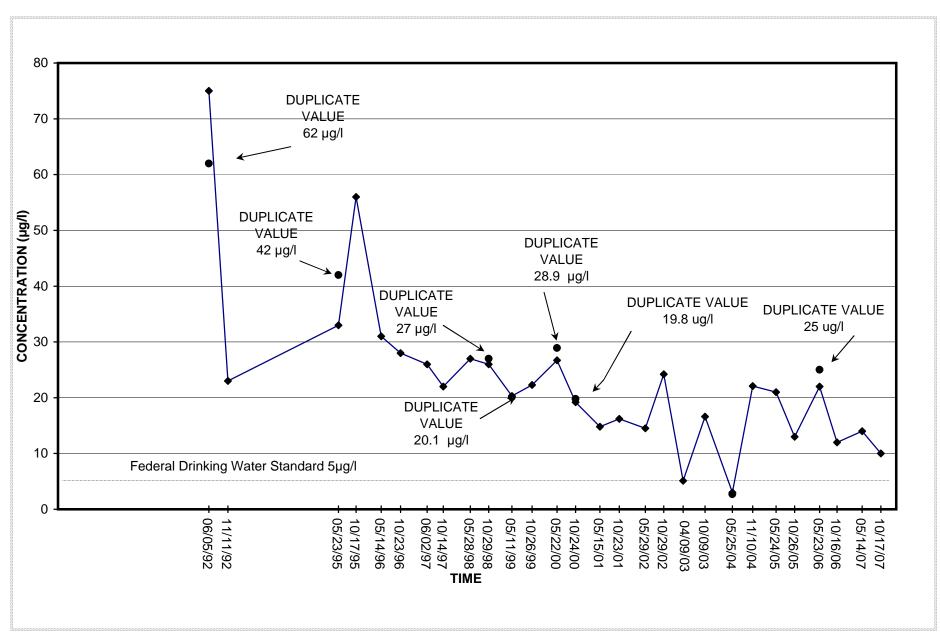


FIGURE 3
SIMULATED VERSUS OBSERVED (OCTOBER 2007)
CARBON TETRACHLORIDE CONCENTRATIONS
AT WELL M-27D

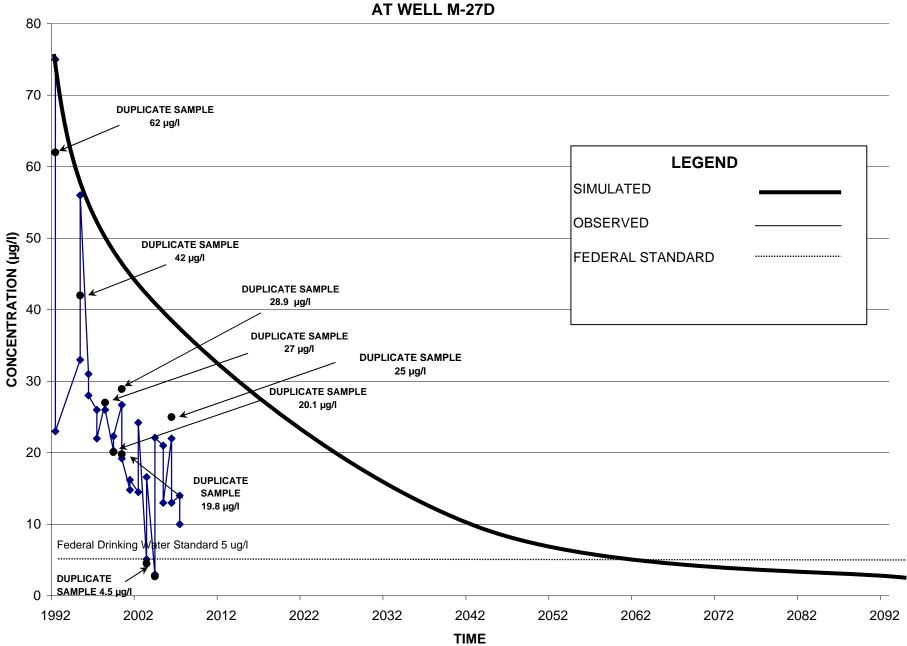


FIGURE 4
SIMULATED VERSUS OBSERVED (OCTOBER 2007)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33S

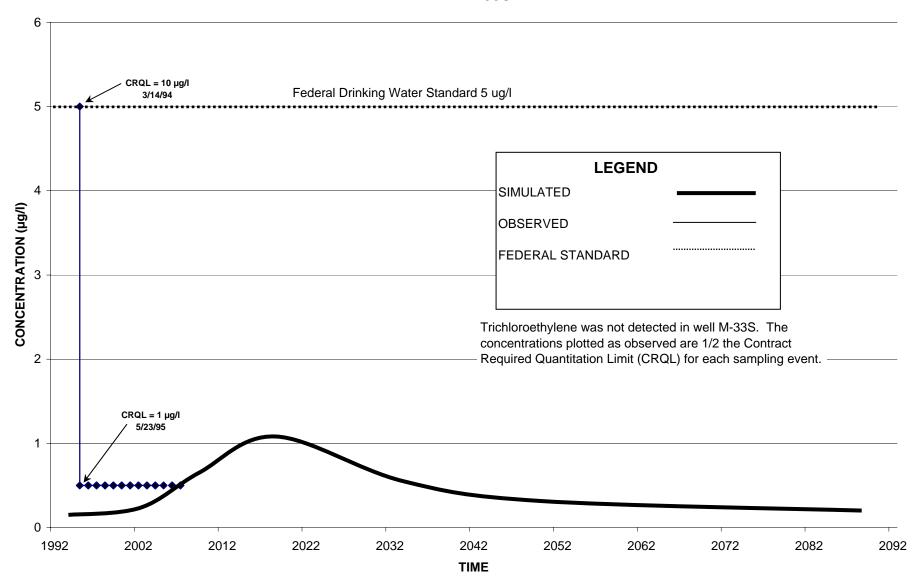
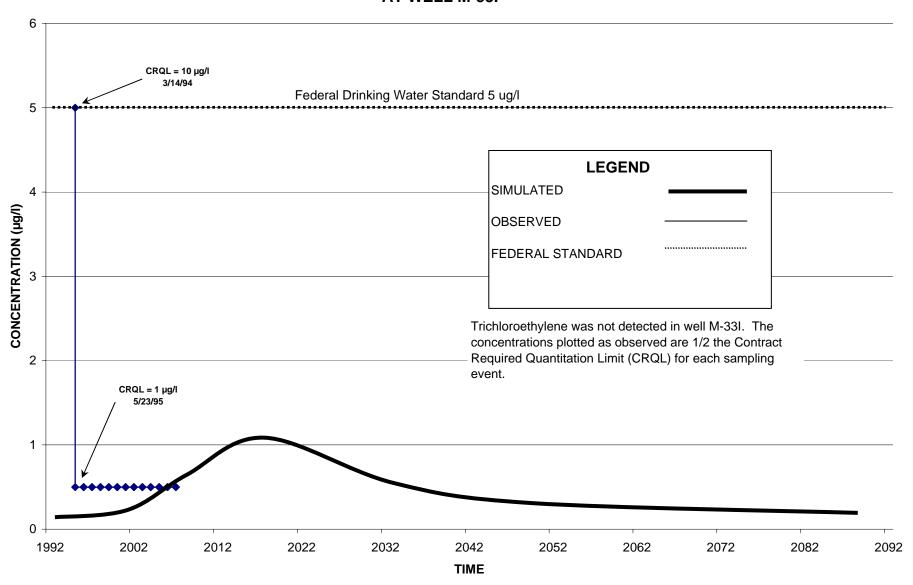


FIGURE 5 SIMULATED VERSUS OBSERVED (OCTOBER 2007) TRICHLOROETHENE CONCENTRATIONS AT WELL M-33I



APPENDIX A

LABORATORY DATA, INFLUENT/EFFLUENT WATER SAMPLES

SEPTEMBER 18, 2007 AND NOVEMBER 15, 2007

File Code:

Proi.



December 21, 2007

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



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 Diractor 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 Laboratorian and the contract of the co

SDG #: EFFLU	JENT	BATCH C	OMPLETE:yes	DATE REVISED:						
SUBMISSION	R2740933	DISKETT	E REQUESTED: Y_X N		DATE DUE					
CLIENT:	Shaw Environmental	DATE: 11	/16/07	•	PROTOCO	L: CLP				
	Carlton Beechler	CUSTOD	Y SEAL: PRESENT/ABSENT:		SHIPPING	No.:				
PROJECT:	GE MRFA PROJECT #810066	CHAIN O	F CUSTODY: PRESENT/ABSENT:							
CAS JOB#	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE	DATE	pН	%	REMARKS		
				SAMPLED	RECEIVED	(SOLIDS)	SOLIDS	AMPLE CONDITION		
	EFFLUENT	WATER	OLC2.1 VOA	11/15/2007	11/16/07					
1055421QC		WATER	OLC2.1 VOA	11/15/2007	11/16/07					
1055423	DUPE A	WATER	OLC2.1 VOA	11/15/2007		:				
1055426	TRIP BLANK	WATER	OLC2.1 VOA	11/15/2007	11/16/07					
1055428	COOLER BLANK	WATER		11/15/2007						
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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

Analytical Services NC.

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Project Manager B. Neumann Company/Address	Report CC S. Meier	,	Harry	,	PRES	SERVATIVE								1								_
Shaw Env	12110	Inc.			CONTAINERS		JOIP JOIP		10	10,	<u>below)</u>	LVED below)	*	/	/					0. NO 1. HC 2. HN 3. H ₂ 9 4. Na 5. Zn.	L Ö3 SO₄	
(518) 783 - 1996 Sampler's Signature	FAX# (518) Sampler's Printed Nam	783- :	8397	•	NUMBER OF	\$ VO4 \$	\$ \$104's 04's 855's	CIDES FOR	7 260	18, 70%;	Semment Services						. /	' /	$^{\prime}$ $/$	7. Na 8. Oti	HSO ₄	
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	J SAMPL DATE		MATRIX	1 🗍			PEST P		META	META List in	0	/ /	/ ,	/ _{i ,}			/	AL	REMARK TERNATE DES	(S/ SCRIPTION	
Effluent	1055419	11/15/07	1040	GW	3							X								addition		
Influent	1055424		030	_(_	\coprod															pounds		<u>-</u> k
Influent (MS)	1055471		1032		П															Janice	<i>,</i>	
Influent (MSD)	1055W		1032)							\prod							100	Quities	July	
Dupe A	1055923	4	1	V	V							11										
Trip Blank	เมรุญนิ	1	-		.3							V							 			
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Influent (MSD)	105514	1032							$\perp 1$			•			U
Dupe A	1055423		V	V								1			
Trio Blank	1115C4 IB -	-	-	.3					V						
Cools Blank	105928 11/1	do							۲ ا	1			†		
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SPECIAL INSTRUCTIONS/COMMENTS Metals						INAROUND RUSH (SUR	CHARGES	APPLY)	-	REPOR		REMEN	TS		INVOICE INFORMATION
				:		hr		5 day	X	II. Results (LCS, DU			red)	PO#	
					1 '	STANDARD STED FAX DA			-	III. Results Summarie		i Calibrati	on	BILL	.то:
				A CONTRACTOR OF THE PARTY OF TH	REQUE	STED REPOR	T DATE			iV. Data Vi V. Speicali		-		à	
See QAPP									4	Edata	Yes	·	No	SUB	BMISSION #:
SAMPLE RECEIPT: CONDITION/CO	OLER TEMP:		TODY SEA		N										RECEIVED BY
RELINQUISHED BY	RECEIVED BY	REL	INQUISHED	BY		RECE	EIVED BY	<i>.</i>		HEI	LINQUIS	#ED RA		İ	HEORIVED BY
Signature	Signature Rute	Signature	· · · · · · · · · · · · · · · · · · ·	:	Signatur	,			Sign	ature				Sign	ature
Printed Name	International Market III	Printed Name			Printed I	lame			Print	ed Name				Print	ted Name
Printed Name Flanagan Firm 9	Amio Hentschke.	Firm		- :	Firm				Firm					Firm	
D-t- Ti-	911607 950	Date/Time			Date/Tin	0			Date	/Time				Date	o/Time
Distribution: White - Return to Originator; Yello		<u>.</u>													SCOC-1102-

Cooler Receipt And Preservation Check Form

Project/Client_GE_MRFASubmission Number_R2740933.												
Cooler received or	Cooler received on Will by: Ald COURIER: CAS (UPS) FEDEX VELOCITY CLIENT											
1. Were custody seals on outside of cooler? 2. Were custody papers properly filled out (ink, signed, etc.)? 3. Did all bottles arrive in good condition (unbroken)? 4. Did any VOA vials have significant air bubbles? 5. Were Ice or Ice packs present? 6. Where did the bottles originate? 7. Temperature of cooler(s) upon receipt: Is the temperature within 0° - 6° C?: YES NO YES NO YES NO CAS/ROC CLIENT Temperature within 0° - 6° C?: Yes Yes Yes Yes Yes												
Is the temp	erature within 0°	- 6° C?): (Yes Yes	Yes	Yes	l'es					
If No, Exp	lain Below		. 1	No No	No	No 1	4o					
Date/Time	Temperatures Tal	ken: _	11/1	ulo 955								
Thermome	ter ID: 161 or	TR C	GUN	Reading From:	Temp Blank	or Sample	Bottle					
If out of Tempera PC Secondary Rev	iture, Client App	roval	to Run	Samples								
Cooler Breakdown: Date:												
4. Air Sample	es: Cassettes / Tu	ıbes In				NO	d (V/A)					
4. Air Sample	es: Cassettes / Tu	ıbes In				NO	d (V/A) Final pH					
4. Air Sample	es: Cassettes / Tu	ıbes In	tact	Canisters Pressur	rized Tedlar	NO B Bags Inflate						
4. Air Sample Explain any discre	es: Cassettes / Tu pancies:	ıbes In	NO	Canisters Pressur	rized Tedlar	NO B Bags Inflate						
4. Air Sample Explain any discre	es: Cassettes / Tupancies:	ıbes In	tact	Canisters Pressur	rized Tedlar	NO B Bags Inflate						
4. Air Sample Explain any discre	es: Cassettes / Tupancies:	ıbes In	NO	Canisters Pressur	rized Tedlar	NO B Bags Inflate						
4. Air Sample Explain any discre pH ≥12 ≤2	Reagent NaOH HNO ₃ H ₂ SO ₄ for TCN & Phenol	YES	NO NO	Canisters Pressur Sample I.D.	Reagent	NO B Bags Inflated Vol. Added						
4. Air Sample Explain any discre	Reagent NaOH HNO ₃ H ₂ SO ₄ for TCN & Phenol	YES	NO NO	Canisters Pressur	rized Tedlar	NO B Bags Inflated Vol. Added						
4. Air Sample Explain any discre pH ≥12 ≤2 S2 Residual Chlorine (+/-) YES = All samples OK	Reagent NaOH HNO ₃ H ₂ SO ₄ for TCN & Phenol	YES mples we	NO NO	Sample I.D. rved at lab as listed Other Comm	Reagent PC OK to adju	NO B Bags Inflate Vol. Added st pH						

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	L	
Lab Code:	10145		Case No.:	R7-40933	SAS No	••	SDG No.:	EFFLUENT
Matrix: (soil/v	vater)	WATE	₹		Lat	Sample ID	: 1055419	9 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V6721.E)
Level: (low/n	ned)	LOW			Dat	e Received	: 11/16/07	7
% Moisture: ı	not dec.				Dat	e Analyzed	: <u>11/21/07</u>	7
GC Column:	DB-VF	XX ID:	<u>0.18</u> (m	ım)	Dilu	ition Factor	: 1.0	
Soil Extract V	/olume:		(uL)		Soil	l Aliquot Vol	lume:	(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	54	كالمر
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	ひはら
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	Ų
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	UUS
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	Ū
75-25-2	Bromoform	1	Ū
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

1

Lab Name:	CAS/RC	CH			Contract:	IT-Latham			
Lab Code:	10145		Case No.:	R7-40933	SAS No	.: S	DG No.:	EFFLU	ENT
Matrix: (soil/	water)	WATER			Lat	Sample ID:	1055419	9 1.0	
Sample wt/ve	ol:	25.0	(g/ml)	ML	Lat	File ID:	V6721.E)	
Level: (low/r	ned)	LOW			Dat	e Received:	11/16/07	7	
% Moisture:	not dec.				Dat	e Analyzed:	11/21/07	7	
GC Column:	DB-VR	X ID: C	0.18 (m	ım)	Dilu	ition Factor:	1.0		
Soil Extract V	/olume: _		(uL)		Soil	Aliquot Volu	me:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO),	COM	POUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	- 7	1,4-1	Dichlorobe	enzene			1	U	\neg
95-50-	1	1,2-	Dichlorobe	enzene			1	U	
96-12-	3				pane		1		
120-82	-1		I-Trichloro				1	Ü	_
***************************************	·	1,2-[Dibromo-3	-chloropro	pane		<u>1</u> 1	U	_

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E	P	4	S	A	M	PI	_E	Ν	0

		IENIAIIVELTI	DENTIFIED	COMPO	פטאנ		EF	FLUEN	at
Lab Name:	CAS/RC	OCH		Contract:	IT-Lathar	n			
Lab Code:	10145	Case No.:	R7-40933	SAS No	.:	SD	G No.:	EFFL	UENT
Matrix: (soil/	water)	WATER		Lai	Sample I	D: 1	055419	1.0	
Sample wt/v	ol:	25.0 (g/ml)) <u>ML</u>	Lai	File ID:	7	/6721.C)	
Level: (low/	med)	LOW		Da	te Receive	ed: 1	1/16/07	<u> </u>	
% Moisture:	not dec.			Da	te Analyze	d: 1	1/21/07	,	
GC Column:	DB-VF	X ID: 0.18 (I	mm)	Dile	ution Facto	or: _1	1.0		
Soil Extract	Volume:	(uL)		So	il Aliquot V	'olum	ne:		_ (uL)
			CON	CENTRA1	TION UNIT	S:			
Number TIC	s found:	0	(ug/L	or ug/Kg)	<u>UG/L</u>	•			
CAS NO		COMPOUND NA	ME		RT	EST	CONC	5 .	Q

1A-

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	_	
Lab Code:	10145		Case No.:	R7-40933	SAS No	.: S	SDG No.: EFFLU	ENT
Matrix: (soil/v	vater)	WATE	₹		Lat	Sample ID:	1055421 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V6725.D	
Level: (low/n	ned)	LOW			Dat	e Received:	11/16/07	
% Moisture: r	not dec.				Dat	e Analyzed:	11/21/07	
GC Column:	DB-VF	XX ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme:	(uL

CONCENTRATION UNITS:

COMPOUND (ug/L or ug/Kg)	UG/L	Q
Chloromethane	1	U
Vinyl Chloride	1	U
Bromomethane	1	U
Chloroethane	1	U
Trichlorofluoromethane	1	U
1,1-Dichloroethene	1	U
Acetone	51	\$US
Carbon Disulfide	1	U
Methylene Chloride	1	U
trans-1,2-Dichloroethene	1	U
1,1-Dichloroethane	1	U
cis-1,2-Dichloroethene	1	U
2-Butanone	5	UW
Bromochloromethane	1	U
Chloroform	5	
1,2-Dichloroethane	1	U
1,1,1-Trichloroethane	1	U
Carbon Tetrachloride	33 .38	E 1
Benzene	1	U
Trichloroethene	53 /54	E
1,2-Dichloropropane	1	U
Bromodichloromethane	1	U
cis-1,3-Dichloropropene	1	U
4-Methyl-2-Pentanone	5	U
Toluene	1	U
trans-1,3-Dichloropropene	1	U
1,1,2-Trichloroethane	1	Ū
Tetrachioroethene	0.1	J
2-Hexanone	5	uus
Dibromochloromethane	1	U
	1	Ū
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		U
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		U
	- 	U
		U
	Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Acetone Carbon Disulfide Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Bromochloromethane Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon Tetrachloride Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane cis-1,3-Dichloropropene 4-Methyl-2-Pentanone Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene 2-Hexanone	Chloromethane 1 Vinyl Chloride 1 Bromomethane 1 Chloroethane 1 Trichlorofluoromethane 1 1,1-Dichloroethene 1 Acetone 5 Carbon Disulfide 1 Methylene Chloride 1 trans-1,2-Dichloroethene 1 1,1-Dichloroethane 1 cis-1,2-Dichloroethane 1 cis-1,2-Dichloroethane 1 Chloroform 5 Bromochloromethane 1 1,2-Dichloroethane 1 1,1,1-Trichloroethane 1 1,2-Dichloropropane 1 Benzene 1 Trichloroethene 5 1,2-Dichloropropane 1 Bromodichloromethane 1 cis-1,3-Dichloropropene 1 4-Methyl-2-Pentanone 5 Toluene 1 1,1,2-Trichloroethane 1 1,1,2-Trichloroethane 1 1,2-Dibromoethane 1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

			Contract: IT-Latham						INFLOCIAT			
Lab Name:	CAS/RC	CH			Contract:	II-Latin	am	_				
Lab Code:	10145	Ca	se No.: R7	-40933	SAS No).:	_ s	DG No.:	EFFLU	ENT		
Matrix: (soil/v	vater)	WATER	_		Lal	b Sample	e ID:	1055421	1.0			
Sample wt/vo	ol:	25.0	(g/ml) M	L	Lal	b File ID	:	V6725.E)			
Level: (low/r	ned)	LOW			Da	te Recei	ved:	11/16/07	7			
% Moisture:	•		_		Da	te Analy	zed:	11/21/07	7			
GC Column:	DB-VF	EX ID: 0.	18 (mm)		Dile	ution Fac	ctor:	1.0				
Soil Extract \	/olume:		(uL)		Soi	il Aliquot	Volu	ime:		(uL)		
			CONCENTRATION UNITS:									
CAS NO).	COMP	OUND	(ug/L	. or ug/Kg)	UG	/L		Q			
106-46	3-7	1,4-D	ichlorobenz	ene				1	U			
95-50-		1,2-D	ichlorobenz	ene				1	U			
96-12-		1,2-D	ibromo-3-ch	loropro	pane			11	U			
120-82		1,2,4-	Trichlorobe	nzene				1	U			

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE NO
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Lab Name:	CAS/RO	OCH			Contract:	IT-Lath	am		LULI	
Lab Code:	10145		Case No.:	R7-40933	SAS No	.:	SE	OG No.:	EFFL	UEN T
Matrix: (soil/v	vater)	WATER	<u> </u>		Lat	Sample	ID:	1055421	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:		V6725.D)	
Level: (low/n	ned)	LOW			Dat	te Recei	ved:	11/16/07	,	_
% Moisture: r	not dec.				Dat	te Analyz	zed:	11/21/07	•	
GC Column:	DB-VF	X ID:	0.18 (m	nm)	Dilu	ition Fac	tor:	1.0		
Soil Extract V	olume:		(uL)		Soi	l Aliquot	Volun	ne:		_ (uL)
				CON	ICENTRAT	ION UN	TS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG	/L			
CAS NO.		СОМРО	DUND NAM	ИE		RT	ES ⁻	T. CONC).	Q

1A -

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

					1 1144	OLIVIDE
Lab Name:	CAS/RO	CH	Contract:	IT-Latham		
Lab Code:	10145	Case No.: R7-40933	SAS No	.: SI	DG No.:	EFFLUENT
Matrix: (soil/v	vater)	WATER	- Lat	Sample ID:	1055421	2.5
Sample wt/vo	_	25.0 (g/ml) ML	Lat	File ID:	V6737.D	
•	-			te Received:		
Level: (low/n	ned)	LOW				
% Moisture: ı	not dec.		Dat	te Analyzed:	11/23/07	/
GC Column:	DB-VR	K ID: <u>0.18</u> (mm)	Dilu	ution Factor:	2.5	
Soil Extract V	/olume:	(uL)	Soi	I Aliquot Volu	me:	/ (uL
		•				
		CON	NCENTRAT	ION UNITS:		
CAS NO).	COMPOUND (ug/	L or ug/Kg)	UG/L	/	/ Q
74-87-		Chloromethane			<u>2</u> 2	U
75-01-		Vinyl Chloride			$\frac{2}{2}$	U
74-83-		Bromomethane				
75-00-		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	8		2	U
75-34-	3	1,1-Dichloroethane		_/	2	U
156-59		cis-1,2-Dichloroethene			2	U
78-93-		2-Butanone		/	12	U
74-97-		Bromochloromethane			2	U
67-66-		Chloroform			5	D
107-06		1,2-Dichloroethane			2	U
71-55-		1,1,1-Trichloroethane			2	U
56-23-		Carbon Tetrachloride			33	D
71-43-2		Benzene			2	U
79-01-4		Trichloroethene			53	D
78-87-		1,2-Dichloropropane			2	U
75-27-		Bromodichloromethane			2	U
10061-		cis-1,3-Dichloropropene			2	U
108-10		4-Methyl-2-Pentanone			12	Ū
		Toluene		-	2	Ü
108-88		trans-1,3-Dichloroproper	20		2	Ü
10061-		1,1,2-Trichloroethane	10		2	Ü
79-00-		Tetrachloroethene			2	Ü
127-18				-	12	U
591-78		2-Hexanone/			2	U
124-48		Dibromoch/oromethane				
106-93		1,2-Dibromoethane			2	U
108-90		Chlorobenzene			2	U
100-41		Ethylbenzene			2	U
1330-2	0-7	(m+p) Xylene			2	U
1330-2	0-7	o-Xylene			2	U
100-42-	-5	Styrene			2	U
79-34-5		1,1,2,2-Tetrachloroethan	е		2	U
75 25 2		Bromoform			2	U

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2

1,3-Dichlorobenzene

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

Lab Massas	CACIBO	CH	(ontract:	IT-Latham	1	
Lab Name:	CAS/RO	СП		JUINI act.		_	
Lab Code:	10145	Case No.:	R7-40933	SAS No	.: S	DG No.:	EFFLUENT
Matrix: (soil/	water)	WATER		Lat	Sample ID:	1055421	2.5
Sample wt/vo	ol:	25.0 (g/ml)	ML	Lat	File ID:	V6737.D	<u>) </u>
Level: (low/r	ned)	LOW		Dat	te Received:	11/16/07	
% Moisture:	not dec.			Dat	te Analyzed:	11/23/07	
GC Column:	DB-VR	X ID: <u>0.18</u> (m	m)	Dilu	ution Factor:	2.5	
Soil Extract \	/olume: _	(u L)		Soi	I Aliquot Volu	ıme: _/	(uL
			CONC	ENTRAT	ION UNITS:		
CAS NO).	COMPOUND	(ug/L	or ug/Kg)	UG/L	_	Q
106-46	3-7	1,4-Dichlorobe	nzene			2	U
95-50-		1,2-Dichlorobe				2	U
96-12-		1,2-Dibromo-3		ane		2_	U
120-82		1,2,4-Trichloro	benzene			2	U
87-68-		Hexachlorobut	adiene			2	U

1,2,3-Trichlorobenzene

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EP#	SA	MP	LE	NO.

		TENTATIVELY IDENTIFIED COMPOUNDS				INFLUENTOL			
Lab Name:	CAS/RO	ОСН		_ Contract:	IT-Lati	nam	INFLUEN	IDL	
Lab Code:	10145	Ca	se No.: <u>R7-4093</u>	3 SAS No	o.:	SE	OG No.: EFFI	LUENT	
Matrix: (soil/	water)	WATER	_	La	b Sampl	e ID:	1055421 2.5		
Sample wt/vo	ol:	25.0	(g/ml) ML	La	b File ID) :	V6737.D		
Level: (low/r	ned)	LOW	_	Da	ite Rece	ived:	11/16/07		
% Moisture:	not dec.			Da	ite Analy	zed:	11/23/07		
GC Column:	DB-VF	<u> X</u> ID: <u>0.</u>	18 (mm)	Dil	ution Fa	ctor:	2.5		
Soil Extract \	/olume:		_ (uL)	So	il Aliquo	t Volur	ne:	(uL))
				NCENTRA					
Number TICs	s found:	0	(ug 	/L or ug/Kg)	<u>UC</u>	3/L	····		
CAS NO.		COMPOL	IND NAME		RT	ES ⁻	T. CONC.	Q	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE A

Lab Name:	CAS/RO	OCH		Contract:	IT-Latham	
Lab Code:	10145		Case No.: <u>R7-40933</u>	SAS No	.: S	SDG No.: EFFLUENT
Matrix: (soil/v	vater)	WATER	<u> </u>	Lal	Sample ID:	1055423 1.0
Sample wt/vo	oi:	25.0	(g/ml) ML	Lal	File ID:	V6723.D
Level: (low/n	ned)	LOW		Da	te Received:	11/16/07
% Moisture: r	not dec.			Da	te Analyzed:	11/21/07
GC Column:	DB-VF	RX ID:	0.18 (mm)	Dile	ution Factor:	1.0
Soil Extract V	olume:		(uL)	Soi	l Aliquot Volu	ıme: (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 1	11/2
75-15-0	Carbon Disulfide	111	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	υų
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	Ū
591-78-6	2-Hexanone	5	Uu
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	Ū
108-90-7	Chlorobenzene	1	Ü
100-41-4	Ethylbenzene	1	Ū
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	Ü
75-25-2 541-73-1	1,3-Dichlorobenzene	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Dl	JP	E	A

Lab Name:	CAS/RO	CH			Contract:	IT-Lathan	<u> </u>			
Lab Code:	10145	c	ase No.: F	R7-40933	SAS No).:	SDG No	.: EFFI	LUEN	17
Matrix: (soil/	water)	WATER			Lai	b Sample II	D: <u>1055</u> 4	123 1.0		
Sample wt/ve	ol:	25.0	_ (g/ml)	ML	Lal	b File ID:	V672	3.D		
Level: (low/r	med)	LOW			Da	te Receive	d: <u>11/16</u>	/07		
% Moisture: not dec.			····		Date Analyzed:		d: <u>11/21</u>	/07		
GC Column:	DB-VR	<u>x</u> ID: 0).18 (mn	n)	Dilution Factor: 1.0					
Soil Extract \	Volume: (uL)				Soi	il Aliquot Vo	olume: _		((uL)
				CÓN	ICENTRAT	ION UNIT	S:			
CAS NO) .	COM	POUND	(ug/L	. or ug/Kg)	UG/L		(Q	
100.46		4.41	Diablarahar					· · · · · ·	11	7

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE NO
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Lab Name:	CAS/RO	DCH			Contract:	IT-Lath	am	_	OFL	<u>`</u>
Lab Code:	10145		Case No.:	R7-40933	SAS No	.:	s	DG No.:	EFFL	UENT
Matrix: (soil/v	vater)	WATER	<u> </u>		Lat	Sample	e ID:	1055423	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:		V6723.D)	
Level: (low/m	ned)	LOW			Dat	e Recei	ved:	11/16/07	,	
% Moisture: r	not dec.				Dat	e Analy:	zed:	11/21/07	,	
GC Column:	DB-VF	X ID:	0.18 (n	nm)	Dilu	ition Fac	ctor:	1.0		_
Soil Extract V	olume:		(uL)		Soil	Aliquot	Volu	me:		_ (uL)
				CON	CENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG	/L			
CAS NO.		СОМРО	DUND NAI	ИE		RT	ES	T. CONC).	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RO	OCH		Contract:	IT-Latham	_	
Lab Code:	10145	Ca	ase No.: R7-409	933 SAS N	o.:	SDG No.:	EFFLUENT
Matrix: (soil/v	vater)	WATER		La	ab Sample ID	D: <u>1055426</u>	3 1.0
Sample wt/vo		25.0	(g/ml) ML	La	b File ID:	V6722.D)
Level: (low/n		LOW		Da	ate Received	d: <u>11/16/07</u>	7
% Moisture: r	-			Da	ate Analyzed	d: <u>11/21/07</u>	7
GC Column:		RX ID: 0	.18 (mm)	Di	lution Factor	r: 1.0	
Soil Extract V	·····		(uL)	So	oil Aliquot Vo	olume:	(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	11	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	1	JJ
75-15-0	Carbon Disulfide	111	U
75-09-2	Methylene Chloride	0.1	J 7 7 1.08
156-60-5	trans-1,2-Dichloroethene	111	
75-34-3	1,1-Dichloroethane	111	U
156-59-2	cis-1,2-Dichloroethene	1111	U
78-93-3	2-Butanone	5	UUJ
74-97-5	Bromochloromethane	111	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	111	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	11	U
79-01-6	Trichloroethene ,	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	111	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	1	U
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

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Lab Name:	CAS/RC	CH			Contract:	IT-Latham			
Lab Code:	10145	Ca	ase No.: <u>F</u>	R7-40933	SAS No	••	SDG No.:	EFFLUE	ENT
Matrix: (soil/v	vater)	WATER	<u></u>		Lat	Sample ID): <u>105542</u>	6 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml) <u> </u>	ML	Lat	File ID:	V6722.	D	
Level: (low/n	ned)	LOW			Dat	e Received	l: 11/16/0	7	
% Moisture: ı	not dec.				Dat	e Analyzed	: 11/21/0	7	
GC Column:	DB-VR	X ID: 0.	.18 (mn	n)	Dilu	ition Factor	: 1.0		
Soil Extract V	/olume:		(uL)		Soil	Aliquot Vo	lume:	w	(uL)
				CON	CENTRAT	ION UNITS	:		
CAS NO).	COMP	OUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	3-7	1,4-D	ichlorober	zene			1	U	
95-50-	1	1,2-D	ichlorober	zene			1	U	
96-12-	8	1,2-D	ibromo-3-	chloropro	pane		1	U	

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

120-82-1

87-68-3

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RC	DCH			Contract:	IT-Latha	am	_	
Lab Code:	10145		Case No.:	R7-40933	SAS No	.:	_ s	DG No.: I	EFFLUENT
Matrix: (soil/	water)	WATER	•		Lal	Sample	D:	1055426	1.0
Sample wt/ve	ol:	25.0	(g/ml)	ML	Lal	File ID:		V6722.D	
Level: (low/r	ned)	LOW			Da	te Receiv	ved:	11/16/07	***************************************
% Moisture:	not dec.				Da	te Analyz	zed:	11/21/07	***************************************
GC Column:	DB-VF	X ID:	<u>0.18</u> (n	nm)	Dile	ution Fac	tor:	1.0	
Soil Extract \	/olume:		(uL)		Soi	l Aliquot	Volu	ıme:	(uL)
					NCENTRAT				
Number TICs	s found:	0		(ug/	L or ug/Kg)	UG	/L		
CAS NO.		COMPO	OUND NAI	ME		RT	ES	ST. CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS/RC	OCH_			Contract:	IT-Latham	_	
Lab Code:	10145		Case No.:	R7-40933	SAS No	.: \$	SDG No.:	EFFLUENT
Matrix: (soil/v	vater)	WATE	R		Lab	Sample ID:	1055428	3 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V6738.E)
Level: (iow/n	ned)	LOW			Dat	e Received:	11/16/07	7
% Moisture: r	not dec.				Dat	e Analyzed:	11/23/07	7
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ume:	(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	C
67-64-1	Acetone	11	JB
75-15-0	Carbon Disulfide	1	5
75-09-2	Methylene Chloride	1	J
156-60-5	trans-1,2-Dichloroethene	1	C
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	ULLY
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	ULES
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	Ū
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1 1	U

1A -

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

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Lab Name:	CAS/RC	CH			Contract:	IT-Lathan	<u> </u>				
Lab Code:	10145	Ca	ase No.: R	7-40933	SAS No).:	SDG	No.:	EFF	LUE	NT
Matrix: (soil/v	water)	WATER			Lal	b Sample I	D: <u>10</u>	55428	3 1.0		
Sample wt/vo	ol:	25.0	(g/ml) <u>M</u>	L	Lal	b File ID:	V6	738.C)		
Level: (low/r	ned)	LOW			Da	te Receive	d: <u>11</u>	/16/07	7		
% Moisture:	not dec.				Da	te Analyze	d: <u>11</u>	/23/07	7		
GC Column:	DB-VF	X ID: 0.	.18 (mm))	Dili	ution Facto	or: <u>1.0</u>)			
Soil Extract \	/olume:		(uL)		Soi	il Aliquot V	olume	:			(uL)
				CON	CENTRAT	ION UNIT	S:				
CAS NO) .	COMP	OUND	(ug/L	L or ug/Kg)	UG/L		_		Q	
106.46	3.7	1 4-Γ	ichlorobena	zene				1		U	

1,2-Dichlorobenzene

Hexachlorobutadiene

1,2,3-Trichlorobenzene

1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene

95-50-1

96-12-8

120-82-1

87-68-3

87-61-6

. 1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA S	SAMPL	E NO
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COOLER BLK Contract: IT-Latham Lab Name: CAS/ROCH SAS No.: SDG No.: EFFLUENT Case No.: R7-40933 Lab Code: 10145 Lab Sample ID: 1055428 1.0 WATER Matrix: (soil/water) Lab File ID: 25.0 (g/ml) ML V6738.D Sample wt/vol: Date Received: 11/16/07 Level: (low/med) LOW Date Analyzed: 11/23/07 % Moisture: not dec. GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) **CONCENTRATION UNITS:** (ug/L or ug/Kg) Number TICs found: 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	SMC1	TOT
SAMPLE NO.	#	OUT
LCS01	87	0
VBLK01	86	0
EFFLUENT	85	0
TRIP BLANK	90	0
DUPE A	86	0
INFLUENT	89	0
INFLUENTMS	114	0
INFLUENTMSD	107	0
VBLK02	96	0
LCS02	103	0
INFLUENTDL	101	0
COOLER BLK	97	0
	SAMPLE NO. LCS01 VBLK01 EFFLUENT TRIP BLANK DUPE A INFLUENT INFLUENTMS INFLUENTMSD VBLK02 LCS02 INFLUENTDL	SAMPLE NO. # LCS01 87 VBLK01 86 EFFLUENT 85 TRIP BLANK 90 DUPE A 86 INFLUENT 89 INFLUENTMS 114 INFLUENTMSD 107 VBLK02 96 LCS02 103 INFLUENTDL 101

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

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(u g/L)	REC#	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAN	IPL	E	NO
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LCS01

Lab Name:	CAS/RC	CH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-40933	SAS No		SDG No.:	EFFLUENT
Matrix: (soil/w	vater)	WATE	<u>R</u>		Lat	Sample ID	: 1057243	3 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V6717.D)
Level: (low/m	ned)	LOW			Dat	te Received		
% Moisture: r	not dec.				Da	te Analyzed	: 11/21/07	-
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ution Factor	: 1.0	
Soil Extract V	olume:		(uL)		Soi	l Aliquot Vo	lume:	(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	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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO
—: / \	CAMPIL E	

Lab Name:	CAS/RO	OCH	Contract: I	T-Latham		LCS01	
Lab Code:	10145	Case No.: R7-4	0933 SAS No.:	SI	DG No.:	EFFLU	ENT
Matrix: (soil/	water)	WATER	Lab	Sample ID:	1057243	3 1.0	
Sample wt/v	ol:	25.0 (g/ml) ML	Lab	File ID:	V6717.E)	
Level: (low/r	med)	LOW	Date	Received:			
% Moisture:	not dec.		Date	Analyzed:	11/21/07	7	
GC Column:	DB-VF	RX ID: 0.18 (mm)	Diluti	on Factor:	1.0		
Soil Extract \	/olume:	(uL)	Soil	Aliquot Volur	ne:		(uL)
			CONCENTRATIO	ON UNITS:			
CAS NO) .	COMPOUND	(ug/L or ug/Kg)	UG/L	<u>.</u>	Q	
106-46	6-7	1,4-Dichlorobenzen	e		5		
95-50-	1	1,2-Dichlorobenzen	8		5		
96-12-	8	1,2-Dibromo-3-chlo	ropropane		4		
120-82		1,2,4-Trichlorobenz			5		
07.00		Hovooblorobutodior			5		

1,2,3-Trichlorobenzene

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

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION CONCENTRATION		%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAN	IPLE	E NO.
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		· O == · · · · = ·	_ 00/			011221	LCS02	
Lab Name:	CAS/R	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-40933	SAS No	.: s	DG No.: EFFLU	ENT
Matrix: (soil/	water)	WATER	<u> </u>		Lab	Sample ID:	1063728 1.0	
Sample wt/v	ol:	25.0	(g/ml)	ML	Lab	File ID:	V6735.D	
Level: (low/ı	med)	LOW			Dat	e Received:		
% Moisture:	not dec.				Dat	e Analyzed:	11/23/07	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (n	nm)	Dilu	tion Factor:	1.0	
Soil Extract \	√olume:		(uL)		Soil	Aliquot Volu	me:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	5	1
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	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	•						İ	LCS02	
Lab Name:	CAS/RO	CH			Contract:	IT-Latham			
Lab Code:	10145	Ca	se No.: R	7-40933	SAS No	.:	SDG No.:	EFFLU	ENT
Matrix: (soil/v	vater)	WATER	_		Lal	Sample ID	: 106372	8 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>I</u>	ИL	Lat	File ID:	V6735.	D	
_evel: (low/n		LOW			Da	te Received	:		
% Moisture: r	•		-		Dat	te Analyzed	: 11/23/0	7	
GC Column:	DB-VR	X ID: 0.1	 8 (mm	1)	Dile	ution Factor	: 1.0		
Soil Extract V					Soi	l Aliquot Vo	lume:	<u>.</u>	(uL)
				CON	CENTRAT	ION UNITS	:		
CAS NO).	COMPO	DUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	-7	1,4-Di	chlorober	zene			5		
95-50-			chloroben			,	5_		
96-12-			bromo-3-c		pane		5		
120-82			Trichlorob				5		
87-68-3		Hexac	hlorobuta	diene			5		

1,2,3-Trichlorobenzene

87-68-3

87-61-6

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

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION CONCENTRATION		%	LIMITS
COMPOUND	(ug/ L)	(ug/L)	(ug/L)	REC#	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

	SPIKE	MSD	MSD	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	ADDED	CONCENTRATION	%	%	QC L	IMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	RPD	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			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

RPD: 1 out of 12 outside limits

Spike Recovery: 1 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMS

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	_		
Lab Code:	10145		Case No.:	R7-40933	SAS No	.: 8	SDG No.:	EFFLUE	NT
Matrix: (soil/v	vater)	WATER	₹		Lab	Sample ID:	1063723	3 1.0	·
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V6727.D)	
Level: (low/n	ned)	LOW			Dat	e Received:	11/16/07	,	
% Moisture: ı	not dec.				Dat	e Analyzed:	11/22/07	,	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ıtion Factor:	1.0		
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Vol	ume: 🕛		(uL)

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 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	<u> </u>	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	<u> </u>
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMS

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Lab Name:	CAS/RC	CH			Contract:	IT-Latham			
Lab Code:	10145	Ca	se No.:]	R7-40933	SAS No		SDG No.:	EFFLU	ENT
Matrix: (soil/	vater)	WATER			Lab	Sample ID	106372	3 1.0	
Sample wt/ve	ol:	25.0	(g/mi)	ML	Lat	File ID:	V6727.)	
Level: (low/r	ned)	LOW			Dat	e Received:	11/16/0	7	
% Moisture:	not dec.				Dat	e Analyzed:	11/22/07	7	
GC Column:	DB-VR	X ID: 0.	18 (mr	n)	Dilu	ıtion Factor:	1.0		
Soil Extract \	/olume:		_ (uL)		Soil	Aliquot Vol	ume:		(uL)
				CON	ICENTRAT	ION UNITS:			
CAS NO).	COMPO	DUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	3-7	1,4-Di	chlorobe	nzene			5		
95-50-	1	1,2-Di	chlorobe	nzene			5		

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

Hexachlorobutadiene

1,2,3-Trichlorobenzene

96-12-8 120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

Lab Name:	CAS/RC	CH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-40933	SAS No	••	SDG No.: EFFLU	JENT
Matrix: (soil/w	/ater)	WATE	R		Lat	Sample ID	: 1063724 1.0	
Sample wt/vo	l:	25.0	(g/ml)	ML	Lab	File ID:	V6728.D	
Level: (low/m	ned)	LOW			Dat	te Received	: <u>11/16/07</u>	_
% Moisture: r	not dec.				Dat	te Analyzed	: 11/22/07	_
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ution Factor	: 1.0	_
Soil Extract V	olume:		(uL)		Soi	l Aliquot Vol	lume:	_ (uL

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	11	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		5	
/ O=ZO=Z	Bromoform	3	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

							INFL	UENIM	SDI
Lab Name:	CAS/RC	CH			Contract:	IT-Latham	_	·	
Lab Code:	10145	Ca	se No.:	R7-40933	SAS No	ı.: S	SDG No.:	EFFLUI	ENT
Matrix: (soil/	water)	WATER	***		Lal	Sample ID:	1063724	4 1.0	
Sample wt/v	ol:	25.0	(g/ml)	ML	Lal	File ID:	V6728.D)	
Level: (low/r	ned)	LOW	_		Da	te Received:	11/16/07	7	
% Moisture:	not dec.				Dat	te Analyzed:	11/22/07	7	
GC Column:	DB-VF	X ID: 0.	18 (mi	m)	Dilu	ution Factor:	1.0		
Soil Extract \	/olume:		(uL)		Soi	l Aliquot Volu	ıme:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO) .	COMPO	DUND	(ug/L	or ug/Kg)	UG/L	- · · · · · · · · · · · · · · · · · · ·	Q	٠
106-46	3-7	1.4-Di	chlorobe	nzene			5	1	_
95-50-			chlorobe				5		7
96-12-				chloropro	pane		4		\dashv
120-82			Trichlorol		· · · · · · · · · · · · · · · · · · ·		5		\neg

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

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)

Ν

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

	\sim		
$-\nu$	SAM.	KUI L	- NI/ 1
-		4F L.	E NO.

VBLK01

Lab Name:	CAS/RO	CAS/ROCH				IT-Latham		
Lab Code:	10145		Case No.:	R7-40933	SAS No	•	SDG No.:	EFFLUENT
Matrix: (soil/v	vater)	WATER			Lat	Sample ID	: 1057242	2 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V6719.	<u> </u>
Level: (low/n	ned)	LOW		•	Dat	e Received	•	
% Moisture: r	not dec.				Dat	e Analyzed	: 11/21/07	7
GC Column: DB-VRX ID: 0.18 (mm)					Dilution Factor: 1.0			
Soil Extract V	'olume:		(uL)		Soil	Aliquot Vol	ume:	(uL

COMPOUND (ug/L or ug/Kg)	UG/L	Q
Chloromethane	1	U
Vinyl Chloride	1	U
Bromomethane	1	U
Chloroethane	1	U
Trichlorofluoromethane	1	U
1,1-Dichloroethene	1	U
Acetone	5	U
Carbon Disulfide	1	U
Methylene Chloride	1	U
trans-1,2-Dichloroethene	1	U
1,1-Dichloroethane	1	U
cis-1,2-Dichloroethene	1	U
2-Butanone	5	U
Bromochloromethane	1	J
Chloroform	1	U
1,2-Dichloroethane	1	U
1,1,1-Trichloroethane	1	U
Carbon Tetrachloride	1	Ü
Benzene	1	U
Trichloroethene	1	U
1,2-Dichloropropane	1	U
Bromodichloromethane	1	U
cis-1,3-Dichloropropene	1	U
4-Methyl-2-Pentanone	5	U
Toluene	1	U
trans-1,3-Dichloropropene	1	U
1,1,2-Trichloroethane	1	U
Tetrachloroethene	1	U
2-Hexanone		Ū
Dibromochloromethane	1	Ü
1,2-Dibromoethane	1	Ū
· · · · · · · · · · · · · · · · · · ·	1	U
	1	Ū
	1	Ü
	1	U
		U
		U
		U
	<u> </u>	U
	Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Acetone Carbon Disulfide Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Bromochloromethane Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon Tetrachloride Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane Cis-1,3-Dichloropropene 4-Methyl-2-Pentanone Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene 2-Hexanone Dibromochloromethane	Chloromethane 1 Vinyl Chloride 1 Bromomethane 1 Chloroethane 1 Trichlorofluoromethane 1 1,1-Dichloroethene 1 Acetone 5 Carbon Disulfide 1 Methylene Chloride 1 trans-1,2-Dichloroethene 1 1,1-Dichloroethane 1 1,1-Dichloroethane 1 2-Butanone 5 Bromochloromethane 1 1,2-Dichloroethane 1 1,1,1-Trichloroethane 1 1,1,1-Trichloroethane 1 1,2-Dichloroptopane 1 Bromodichloromethane 1 1,2-Dichloropropene 1 4-Methyl-2-Pentanone 5 Toluene 1 trans-1,3-Dichloropropene 1 1,1,2-Trichloroethane 1 1,2-Dibromoethane 1 1,1,2-Trichloroethane 1 1,2-Dibromoethane 1 1,2-Dibromoethane 1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name:	CAS/RC	OCH			Contract:	II-Latham			
Lab Code:	10145	с	ase No.: R7	-40933	SAS No	·.:	SDG No.:	EFFLU	ENT
Matrix: (soil/	water)	WATER			Lal	o Sample ID): <u>105724</u> 2	2 1.0	
Sample wt/v	ol:	25.0	(g/ml) <u>M</u>	L	Lai	File ID:	V6719.)	
Level: (low/r	med)	LOW			Da	te Received	i:		
% Moisture:	not dec.				Dat	te Analyzed	l: <u>11/21/0</u>	7	
GC Column:	DB-VF	<u> </u>	.18 (mm)		Dilu	ution Factor	: 1.0		
Soil Extract \	/olume:	<u></u>	(uL)		Soi	l Aliquot Vo	lume:		(uL)
	CON				CENTRAT	ION UNITS	3:		
CAS NO) .	COMF	OUND	(ug/L	or ug/Kg)	UG/L		Q	•

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene		1	U
95-50-1	1,2-Dichlorobena		1	U	
96-12-8	1,2-Dibromo-3-c		1	U	
120-82-1	1,2,4-Trichlorobe	enzene		1	J
87-68-3	Hexachlorobutad		1	כ	
87-61-6	1,2,3-Trichlorobe		1	J	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RO	OCH			Contract:	IT-Lath	am		BLKUI	
Lab Code:	10145	C	ase No.:	R7-40933	SAS No	.:	_ s	DG No.:	EFFLL	JENT
Matrix: (soil/v	vater)	WATER			Lai	Sample	e ID:	1057242	1.0	
Sample wt/vo	ol:	25.0	_ (g/mi)	ML	_ Lat	File ID:		V6719.D)	_
Level: (low/n	ned)	LOW			Dat	te Recei	ved:			_
% Moisture: r	not dec.				Dat	te Analy:	zed:	11/21/07	,	_
GC Column:	DB-VF	<u> </u>).18 (m	nm)	Dilu	ution Fac	ctor:	1.0		_
Soil Extract V	olume:		(uL)		Soi	l Aliquot	Volu	me:		_ (uL)
				CON	NCENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/l	L or ug/Kg)	UG	/L			
CAS NO.		СОМРО	UND NAM	ИE		RT	ES	T. CONC	,	Q

4A.

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

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)

Ν

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name:	CAS/ROCH CAS/ROCH				Contract: IT-Latham			
Lab Code:	10145		Case No.:	R7-40933	SAS No		SDG No.:	EFFLUENT
Matrix: (soil/v	vater)	WATE	₹		Lab	Sample ID	1063727	7 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V6734.E)
Level: (low/n	ned)	LOW			Dat	e Received	l:	
% Moisture: ı	not dec.				Dat	e Analyzed	: 11/23/07	7
GC Column:	DB-VF	XX ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor	: 1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Vo	lume:	(uL)

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	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	Ū
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ū
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	<u>i</u>	Ü
75-25-2 541-73-1	1,3-Dichlorobenzene	1	Ü

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

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Lab Name:	CAS/RO	CH	· · · · · · · · · · · · · · · · · · ·		Contract:	IT-Latham	_ L			
Lab Code:	10145	Ca	se No.: R	7-40933	SAS No		SDG N	o.:	EFFLU	ENT
Matrix: (soil/w	vater)	WATER	_		Lat	Sample IC): <u>1063</u>	3727	1.0	
Sample wt/vo	d:	25.0	(g/ml) <u>N</u>	1L	Lat	File ID:	V673	34.D		
Level: (low/m	ned)	LOW	-		Dat	te Received	l:			
% Moisture: r	not dec.				Dat	te Analyzed	l: <u>11/2</u> :	3/07	·	
GC Column:	DB-VR	X ID: 0.1	18 (mm)	Dilu	ıtion Factor	: 1.0			
Soil Extract Volume:			_ (uL)	,	Soi	l Aliquot Vo	lume:			(uL)
				CON	CENTRAT	ION UNITS): 			
CAS NO		COMPO	DUND	(ug/L	or ug/Kg)	UG/L			Q	
106-46	-7	1,4-Di	chloroben	zene				1	U	
95-50-1		1,2-Di	chloroben	zene				1	U	

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

. 1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS/R	ОСН			Contract:	IT-Lat	ham		BLK0	2
Lab Code:	10145		ase No.:	R7-40933	SAS No	o.:	SD	G No.:	EFFL	UENT
Matrix: (soil/v	water)	WATER	****		Lal	b Samp	le ID: 1	063727	7 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lal	b File IC): <u>\</u>	/6734.E)	
Level: (low/n	ned)	LOW	Minings.		Da	te Rece	eived:			
% Moisture: r	not dec.				Da	te Analy	yzed: 1	1/23/07	7	
GC Column:	DB-VF	X ID: 0	.18 (m	nm)	Dilu	ution Fa	ector: 1	.0		_
Soil Extract V	/olume:		(uL)		Soi	l Aliquo	t Volum	e:		(uL)
					CENTRAT	_				
Number TICs	found:	0		(ug/l	_ or ug/Kg)	<u>U</u>	3/L			
CAS NO.		СОМРО	UND NAN	/E		RT	EST	. CONC).	Q

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

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	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

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

2-Value is % mass 176

1-Value is % mass 174

	EPA	LAB	LAB	DATE	TIME
-	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

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

`		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	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	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

CAS/ROCH Lab Name: Contract: IT-Latham Lab Code: SDG No.: EFFLUENT 10145 Case No.: R7-40933 SAS No.: 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 Heated Purge: (Y/N) (mm) N

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	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
)5	DUPE A	681731	5.91	552199	8.86	238229	10.92
06	INFLUENT	637145	5.91	529887	8.86	238956	10.92
7	INFLUENTMS	694742	5.91	581821	8.86	324222	10.92
8[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 Heated Purge: (Y/N) (mm)

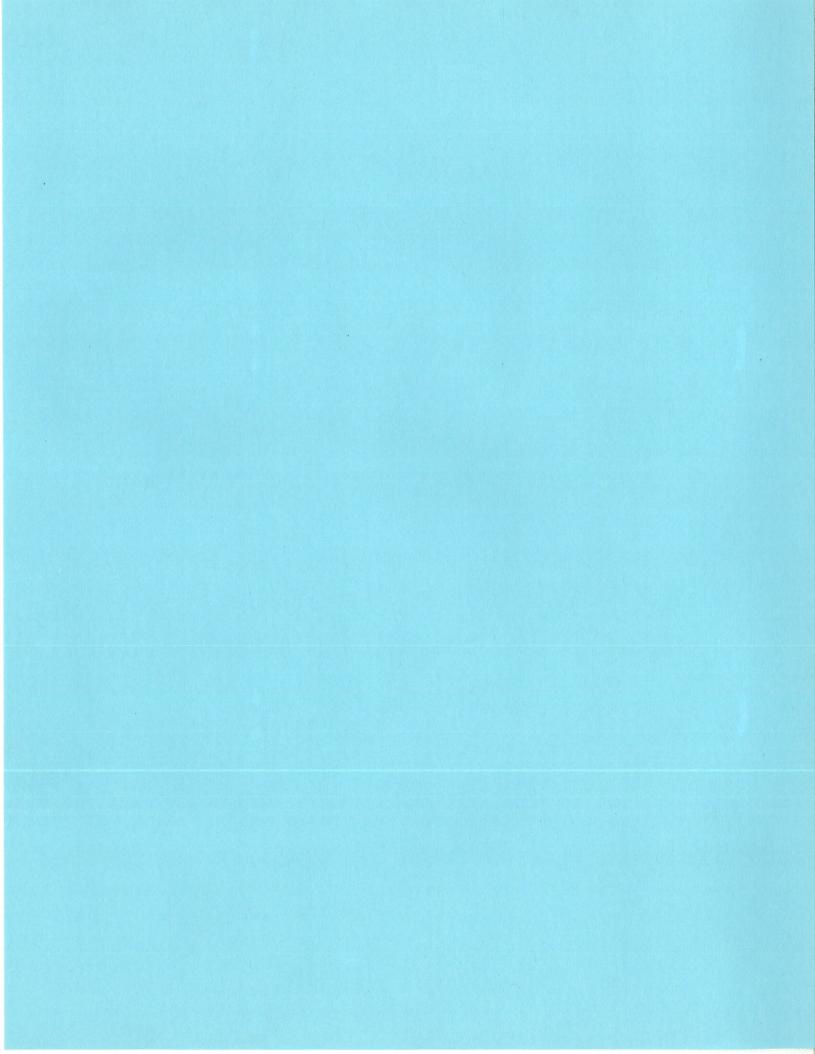
	IS1		IS2		IS3	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	758697	5.91	614682	8.86	312276	10.92
UPPER LIMIT	1517394	6.41	1229364	9.36	624552	11.42
LOWER LIMIT	379349	5.41	307341	8.36	156138	10.42
EPA SAMPLE						
NO.						
VBLK02	674511	5.91	551702	8.86	249558	10.92
LCS02	707449	5.91	555241	8.86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





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



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.

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 #: 10380	61	BATCH C	OMPLETE:yes		DATE REV	ISED:		
SUBMISSION	R2739812	DISKETT	COMPLETE:yes E REQUESTED: Y_X N		DATE DUE			i
CLIENT:	Shaw Environmental	DATE: 9/	19/07	·	PROTOCO			
			Y SEAL: PRESENT/ABSENT: P		SHIPPING	No.:		
	MRFA PROJECT# 810066		F CUSTODY: PRESENT/ABSENT: F					
CAS JOB#	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE	DATE	рΗ	%	REMARKS
						(SOLIDS)	SOLIDS	AMPLE CONDITION
1038061 QC		WATER	VOA OLC 2.1	9/18/2007	9/19/07			
	EFFLUENT	WATER	VOA OLC 2.1	9/18/2007	9/19/07			
	DUPE A	WATER		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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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

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

Columbia Analytical Services INC.

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

CAS Contact	* . *

Project Name	Project Number			 					LALVO	IC DE		reb //		. If a 4 h	No.				P			~
MRFA Project Manager	Report CC	0066	<u> </u>					AN	IALTS	IS HE	AUES I	ED (11	iciuae	wetn		inber	ana C	ontain	er Pre	servativ		
Project Manager Brian Neumann	Report CC Steve M	ejer. Ji	Vdy H	aml	PRE	SERVA	TIVE	7														
Company/Address Shaw Envinnmenta	1. Inc.	,	,	1			_/	3		/		•/		: /	/		. /		-/		Preservative 0. NONE	Key
13 Birfish American	Blval		•	,	NERS		A.	3∕	./												1. HCL 2. HNO ₃ 3. H ₂ SO ₄	
Lasham, Ny 12110)				CONTAINERS		7,0) 2		DCL P) de	SOLVED Into before						/-	/ /	/ 4. NāOH 5. Zn. Aceta 6. MeOH	
518-783-1996	FAX# 518-78	3-839	7		NUMBER OF	ز/	, 8 %	28	201/6(5.8 5.8	2) 2)	로 기		' ·/		/ /	' /	' /	' /	' /	7. NaHSO ₄ 8. Other	·
Sample's Signature	Sampler's Printed Na				UMBE						10/57	88	8			. /.		-/		/		
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID		PLING TIME	MATRIX				GC VOA'S GC	PEST P		META				/					ALT	REMARKS/ ERNATE DESCRIPT	ΓΙΟΝ
Influent (Location C	201) (03/06)	9/18/07	1345	GW		X														*		
Influent MS/MSD (1)	ration 002) UDAST		1347	i		i			V3	W	1									*		
Effluint (Leaghen de	4)003(3mu)w	2	1351																	*		
Dupe A Mocation	004) WSXD6	1	Blind	1								-					-			*		
Trip Blank	10000	9/17/07		Water		4														*		
`	Λ																					
	10/19/1																				···	
										:											:	
SPECIAL INSTRUCTIONS/COMMENTS							Τι	URNAR								EQUIRE	EMENT	S		INVO	ICE INFORMATION	1
Metals								RUSH _24 hr	(SURCI				-	_ I. Resu	•							
* CIF OLC 2.1 VOA:	calles hound	loroh	utadi	ene.				_ 24 Nr STAN		B nr _	5	cay	Δ	II. Rest LCS, 1)	ills + Qi DUP, MS	C Summ S/MSD as	aries s require	d)	PO#		,	
A CH CHAITEN	July TICKHE	10.00					•	ESTED F		Έ				_ III. Res	uits + Q	C and C	alibration	n	BILL	TO:		
123 - trichlarishas	sing, and t	richler	of No	romell	LEY C									Summa	aries				-			
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	3011			-	·		REQU	ESTED F	REPORT	DATE		•	-	_ IV. Data	a Validai	tion Repo	ort with F	Raw Data	'			
See QAPP							<u> </u>							_ V. Spei	calized l	Forms / 0	Custom i	Report		ú manian		
SAMPLE RECEIPT: CONDITION/COC	OLER TEMP:		CUS	STODY SEA	LS: Y	′ N	!						1	Edata		Yes	!	No ·	SUE	MISSION	1227391	12
RELINQUISHED BY	RECEIVED BY		REI	INQUISHED	BY .				RECEI	VED BY	<i>′</i>			F	ELINC	UISHE	D BY				RECEIVED BY	
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Signature	Signature Will- William	·	gnatur	rfflle	u		Signatu	Thy	He	ut	t	···	Signal	a						ature		
	Printed Name Numahn	Pri	into Name DYIAL	Neern	AUN		Printed	Name	Her	etr	2 hl	<u> </u>		d Name				٠.		ed Name		
Firm	FIRM Shaw Environm	edal	Show.	Eyon	Meet	ا اع	Firm()A	2			: -	Firm						Firm		·	
	Date/ lime 0.30 1030	Da	9/18/07	. /) i		-	Date/1	719	07	910	<u>0;0</u>	6	Date/	rime				•	Date	/Time		
Distribution: White - Return to Originator; Yellov		lient	UPS to			K+				1 ,											SCOO	C-1102-08

Cooler Receipt And Preservation Check Form Submission Number_ Cooler received on 9/19/0 by: Alut COURIER: CAS UPS FEDEX VELOCITY CLIENT NO Were custody seals on outside of cooler? 1. Were custody papers properly filled out (ink, signed, etc.)? NO 2. Did all bottles arrive in good condition (unbroken)? NO 3. Did any VOA vials have significant air bubbles? N/A YES (NO 4. NO Were Ice or Ice packs present? 5. Where did the bottles originate? CAS/ROC) CLIENT 6. Temperature of cooler(s) upon receipt: 7. Is the temperature within 0° - 6° C?: Yes Yes Yes Yes No No No No No If No, Explain Below Date/Time Temperatures Taken: 161 or (IR GUN) Reading From: Temp Blank Sample Bottle Thermometer ID: If out of Temperature, Client Approval to Run Samples Cooler Breakdown: Date:_ by: Were all bottle labels complete (i.e. analysis, preservation, etc.)? NO 1. Did all bottle labels and tags agree with custody papers? NO 2. Were correct containers used for the tests indicated? NO 3. Tedlar® Bags Inflated Air Samples: Cassettes / Tubes Intact Canisters Pressurized Explain any discrepancies: Vol. Added Final pH YES NO Sample I.D. Reagent Reagent pΗ NaOH ≥12 HNO₃ ≤2 H₂SO₄ ≤2 for TCN & Phenol Residual Chlorine (+/-) PC OK to adjust pH NO = Samples were preserved at lab as listed - All sommiles OV

(Tested aff Followin	H Verification er Analysis) g Samples ed pH > 2	Other Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	
Lab Code:	10145		Case No.:	R7-39812	SAS No	.: S	SDG No.: 1038061
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	1038061 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V5479.D
Level: (low/m	ned)	LOW			Dat	e Received:	9/19/07
% Moisture: r	not dec.				Dat	e Analyzed:	9/24/07
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0
Soil Extract V	olume:		(uL)		Soi	Aliquot Volu	ıme:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	Ū
74-83-9	Bromomethane	1	Ū
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	JHU.
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1 .	Ų
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	Uw
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	<u>— €</u> J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	48 49	E 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	Ü
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ū
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	∖ U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name:	CAS/RO	OCH ·			Contract:	IT-Latham			
Lab Code:	10145		Case No.: F	R7-39812	SAS No	.: s	DG No.:	103806	<u> 1</u>
Matrix: (soil/	water)	WATER	<u> </u>		Lat	Sample ID:	1038061	1.0	
Sample wt/ve	ol:	25.0	(g/ml) <u>l</u>	ML	Lat	File ID:	V5479.D)	
Level: (low/r	med)	LOW			Dat	e Received:	9/19/07		
% Moisture:	not dec.		-		Dat	e Analyzed:	9/24/07		
GC Column:	DB-VF	X ID:	0.18 (mm	1)	Dilu	tion Factor:	1.0		
Soil Extract \	/olume:		(uL)		Soi	Aliquot Volu	me:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO).	СОМ	POUND	(ug/L	or ug/Kg)	UG/L		Q	

OAG 140.	COMPOUND	(ug/L or ug/Ng)	UG/L		Q
106-46-7	1,4-Dichloroben	nzene		1 .	U
95-50-1	1,2-Dichloroben	zene		1	U
96-12-8	1,2-Dibromo-3-0	chloropropane		1	U
120-82-1	1,2,4-Trichlorob	enzene		1	U
87-68-3	Hexachiorobuta	diene		1	U
87-61-6	1,2,3-Trichlorob	enzene		1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENT CAS/ROCH Contract: IT-Latham Lab Name: Lab Code: 10145 Case No.: R7-39812 SAS No.: SDG No.: 1038061 **WATER** Lab Sample ID: 1038061 1.0 Matrix: (soil/water) Lab File ID: Sample wt/vol: 25.0 (g/ml) ML V5479.D Date Received: 9/19/07 Level: (low/med) LOW Date Analyzed: 9/24/07 % Moisture: not dec. GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/L Number TICs found:

RT

EST. CONC.

Q

COMPOUND NAME

CAS NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTOL

Lab Name:	CAS/R	OCH			Contract:	IT-Latham	
Lab Code:	10145		Case No.:	R7-39812	SAS No	.:S	DG No.: 1038061
Matrix: (soil/\	water)	WATE	R		Lat	Sample ID:	1038061 2.5
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V5483.D
Level: (low/r	med)	LOW			Dat	e Received:	9/19/07
% Moisture: ı	not dec.				Dat	e Analyzed:	9/24/07
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	2.5
Soil Extract V	/olume:		(uL)		Soil	Aliquot Volui	me: / (ul

	CONCENTRATIO	IN 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 /	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-Dichløropropane	2	٦
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	Ū
108-10-1	4-Methyl-2-Pentanone	12	Ü
108-88-3	Toluene	2	Ū
10061-02-6	rans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	Ū
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	Ū
106-93-4	1,2-Dibromoethane	2	Ū
108-90-7	Chlorobenzene	2	Ū
100-41-4	Ethylbenzene	2	Ü
1330-20-7	(m+p) Xylene	2	Ü
1330-20-7	o-Xylene	2	Ü
100-42-5	Styrene	2	Ü
79-34-5	1,1,2,2-Tetrachloroethane	2	Ü
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	Ü
<u> </u>	1,0 Diding operation		

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

Lab Name:	CAS/RO	СН			Contract:	IT-Latham			
Lab Code:	10145	Ca	se No.: <u>R7</u>	7-39812	SAS No	.: s	DG No.:	103806	1
Matrix: (soil/	water)	WATER	=		Lat	Sample ID:	1038061	2.5	
Sample wt/vo	ol:	25.0	(g/ml) M	<u>L</u>	Lat	File ID:	V5483.D)	
Level: (low/n	ned)	LOW	_		Dat	te Received:	9/19/07		
% Moisture:	not dec.				Dat	te Analyzed:	9/24/07	• •	
GC Column:	DB-VR	K ID: 0.1	8 (mm))	Dilu	ution Factor:	2.5		٠.
Soil Extract V	/olume: _		_ (uL)		Soi	l Aliquot Volu	ıme:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO),	COMPO	DUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	- 7	1,4-Di	chlorobenz	ene			/ 2	U	
95-50-	1	1,2-Di	chlorobenz	ene			2	U	
96-12-			bromo-3-ci		pane		. 2	U	\neg
120-82			Frichlorobe				2	U	
87-68-			blorobutad				2	T. U	

1,2,3-Trichlorobenzene

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RO	ЭСН			Contract:	IT-Lath	am	INFLUE	NTDL
Lab Code:	10145	C	ase No.:	R7-39812	SAS No	o.:	s	DG No.: 103	8061
Matrix: (soil/v	vater)	WATER			La	b Sampl	e ID:	1038061 2.5	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	La	b File ID	:	V5483.D	
Level: (low/n	ned)	LOW			Da	te Recei	ived:	9/19/07	
% Moisture: r	not dec.				Da	te Analy	zed:	9/24/07	
GC Column:	DB-VF	<u> </u>	.18 (n	nm)	Dil	ution Fa	ctor:	2.5	
Soil Extract V	/olume:		(u L)		So	il Aliquot	Volu	me:	(uL)
•				COI	NCENTRAT	TON UN	ITS:	÷	
Number TICs	found:	0		(ug/	L or ug/Kg)	UG	i/L		
CAS NO.		COMPO	UND NAI	ИE		RT	ES	T. CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	_	
Lab Code:	10145		Case No.:	R7-39812	SAS No	.: s	DG No.: 103806	31
Matrix: (soil/	water)	WATE	R		Lat	Sample ID:	1038062 1.0	· .
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V5478.D	
Level: (low/r	ned)	LOW			Da	te Received:	9/19/07	
% Moisture:	not dec.				Dat	te Analyzed:	9/24/07	
GC Column:	DB-VF	XX ID:	<u>0.18</u> (n	nm)	Dilu	ution Factor:	1.0	· .
Soil Extract \	/olume:		(uL)		Soi	l Aliquot Volu	me:	(uL

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	より
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	UU
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	Ü
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	Ü
75-25-2 541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name:	CAS/R	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-39812	SAS No	.: S	DG No.: 1	038061
Matrix: (soil/\	water)	WATER	2		Lat	Sample ID:	1038062	1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V5478.D	
Level: (low/r	med)	LOW	· · · · · · · · · · · · · · · · · · ·		Dat	te Received:	9/19/07	
% Moisture:	not dec.		Titlets		Dat	te Analyzed:	9/24/07	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (n	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Volu	ıme:	(uL
			•	CON	ICENTRAT	ION UNITS:		

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFFLUENT Contract: IT-Latham Lab Name: CAS/ROCH SDG No.: 1038061 Case No.: R7-39812 SAS No.: Lab Code: 10145 **WATER** Lab Sample ID: 1038062 1.0 Matrix: (soil/water) 25.0 Lab File ID: V5478.D Sample wt/vol: (g/ml) ML Level: (low/med) LOW Date Received: 9/19/07 % Moisture: not dec. Date Analyzed: 9/24/07 GC Column: DB-VRX ID: 0.18 Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/L Number TICs found: RT CAS NO. **COMPOUND NAME** EST. CONC. Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE A

Lab Name:	CAS/ROCH				Contract:	IT-Latham	
Lab Code:	10145		Case No.:	R7-39812	SAS No	.: s	DG No.: 1038061
Matrix: (soil/w	/ater)	WATE	₹		Lab	Sample ID:	1038063 1.0
Sample wt/vo	l:	25.0	(g/ml)	ML	Lab	File ID:	V5481.D
Level: (low/m	ned)	LOW			Dat	e Received:	9/19/07
% Moisture: n	ot dec.				Dat	e 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	Ü
74-83-9	Bromomethane	1	Ü
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	111
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	UW
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	Е
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	Ū
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	Ū
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2			
10-20-2	Bromoform	1 1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE A

U

U

Lab Name:	ame: CAS/ROCH		c	Contract: IT-Latham			DOPEA			
Lab Code:	10145	Cas	e No.: <u>R</u> 7	-39812	SAS No	o.:	SE	OG No.:	103806	1
Matrix: (soil/	water)	WATER			La	b Sample	ID:	1038063	3 1.0	
Sample wt/ve	ol:	25.0	(g/ml) M	<u>L</u>	La	b File ID:		V5481.E)	
Level: (low/r	med)	LOW			Da	te Receiv	ed:	9/19/07		
% Moisture:	not dec.				Da	te Analyz	ed:	9/24/07		
GC Column:	DB-VR	K ID: 0.1	8_ (mm)		Dil	ution Fact	or:	1.0		· ·
Soil Extract \	/olume:		_ (uL)		So	il Aliquot \	/olur	ne:		(uL)
				CONC	ENTRAT	TION UNIT	ΓS:			
CAS NO).	СОМРО	UND	(ug/L c	or ug/Kg)	UG/I	-	·	Q	
106-46	6-7	1,4-Dic	hlorobenz	ene				1	U	
95-50-	1	1,2-Dic	hlorobenz	ene				1	U	
96-12-	8	1,2-Dib	romo-3-ch	loropropa	ane			11	U	

1,2,4-Trichlorobenzene Hexachlorobutadiene

1,2,3-Trichlorobenzene

120-82-1

87-68-3

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	СН			Contract:	IT-Lath	am		JPE A	
Lab Code:	10145	С	ase No.:	R7-39812	SAS N	o.:	SE	OG No.: 1	10380	61
Matrix: (soil/v	vater)	WATER			La	b Sample	e ID:	1038063	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	La	b File ID	:	V5481.D		_
Level: (low/n	ned)	LOW			Da	ate Recei	ved:	9/19/07		
% Moisture: r	not dec.				. Da	ate Analy	zed:	9/24/07		_
GC Column:	DB-VR	X ID: 0	.18 (m	nm)	Di	lution Fac	ctor:	1.0		_
Soil Extract V	olume:		(uL)		So	il Aliquot	Volun	ne:		_ (uL)
			÷	CON	CONCENTRATION UNITS:					
Number TICs	found:	0		(ug/l	L or ug/Kg)	UG UG	i/L			
CAS NO.		СОМРО	UND NAI	ИE		RT	ES ⁻	T. CONC.		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE A DL

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	
Lab Code:	10145		Case No.:	R7-39812	SAS No	.: s	DG No.: 1038061
Matrix: (soil/v	vater)	WATER	₹		Lat	Sample ID:	1038063 2.5
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V5482.D
Level: (low/n	ned)	LOW	-		Dat	e Received:	9/19/07
% Moisture: r	not dec.		· · · · · · · · · · · · · · · · · · ·		Dat	e Analyzed:	9/24/07
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	ım)	Dilu	ition Factor:	2.5
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me: (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	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	 ∄oluene	2	· U		
10061-02-6	/trans-1,3-Dichloropropene	2	Ū		
79-00-5	1,1,2-Trichloroethane	2	Ū		
127-18-4	Tetrachloroethene	2	Ü		
591-78-6	2-Hexanone	12	Ū		
124-48-1	Dibromochloromethane	2	Ü		
106-93-4	1,2-Dibromoethane	2	Ü		
108-90-7	Chlorobenzene	2	Ü		
100-41-4	Ethylbenzene	2	Ü		
1330-20-7	(m+p) Xylene	2	U		
1330-20-7	o-Xylene	2	Ü		
100-42-5	Styrene	2	U		
79-34-5	1,1,2,2-Tetrachloroethane	2	Ü		
75-25-2	Bromoform 2				
73-23-2 541-73-1	1,3-Dichlorobenzene	2	U		
UT 1-1 U-1	1,0-Dictionoperizeria				

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	*				ı nu	PE A DL	- 1
Lab Name: CA	AS/ROCH	(Contract: IT	-Latham			╛
Lab Code: 10	145 Case	No.: <u>R7-39812</u>	SAS No.:	SD	G No.:	1038061	
Matrix: (soil/wate	er) WATER		Lab Sa	ample ID: 1	038063	2.5	
Sample wt/vol:	25.0 (9	g/ml) ML	Lab Fi	le ID: V	5482.D		
Level: (low/med	LOW		Date F	Received: 9	/19/07		
% Moisture: not	dec.		Date A	nalyzed: 9	/24/07		
GC Column: D	B-VRX ID: 0.18	(mm)	Dilutio	n Factor: 2	.5		
Soil Extract Volui	me: (uL)	Soil Ali	quot Volume	э:	<u> </u>	uL)
		CONC	ENTRATION	I UNITS:		,	
CAS NO.	COMPOUN	ND (ug/L d	or ug/Kg)	UG/L	_	Q	
106-46-7	1,4-Dichlo	probenzene		\top	2	U	1
95-50-1		robenzene			2	Ü	
96-12-8		mo-3-chloroprop	ane	1/-	2	Ü	
120-82-1		hlorobenzene		1	2	Ū	
87-68-3		robutadiene	. /	1	2	Ü	
87-61-6		hlorobenzene			2	Ū	1

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPE A DL Contract: IT-Latham Lab Name: CAS/ROCH SDG No.: 1038061 Case No.: R7-39812 SAS No.: Lab Code: 10145 Lab Sample ID: 1038063 2.5 **WATER** Matrix: (soil/water) Lab File ID: 25.0 V5482.D Sample wt/vol: (g/ml) ML Date Received: 9/19/07 Level: (low/med) LOW % Moisture: not dec. Date Analyzed: 9/24/07 Dilution Factor: 2.5 GC Column: DB-VRX ID: 0.18 (mm) (uL) Soil Aliquot Volume: Soil Extract Volume: **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/L Number TICs found: **COMPOUND NAME** RT EST. CONC. Q CAS NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RO	OCH		Contract:	IT-Latham	THE DEATH	`
Lab Code:	10145		Case No.: R7-39812	SAS No	.: s	SDG No.: 1038061	1
Matrix: (soil/w	vater)	WATE	R	Lat	Sample ID:	1038064 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	File ID:	V5477.D	
Level: (low/m	ned)	LOW		Dat	e Received:	9/19/07	
% Moisture: r	not dec.			Dat	e Analyzed:	9/24/07	
GC Column:	DB-VF	X ID:	0.18 (mm)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:		(u L)	Soil	Aliquot Volu	ıme:	(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	Ū
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	2	JJ
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	Uki
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	Ü
591-78-6	2-Hexanone	5	Ü
124-48-1	Dibromochloromethane	1	Ū
106-93-4	1,2-Dibromoethane	1	Ü
108-90-7	Chlorobenzene	1	Ü
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

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EPA		MAIL	ᅩᆫ	110

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	IRI	PBLAN	K
Lab Code:	10145	Ca	se No.: <u>R</u> 7	-39812	SAS No	ı.:S	SDG No.:	103806	1
Matrix: (soil/\	water)	WATER			Lal	Sample ID:	1038064	1.0	
Sample wt/vo	ol:	25.0	(g/ml) M	L .	Lat	File ID:	V5477.D) .	
Level: (low/n	ned)	LOW			Da	te Received:	9/19/07		٠
% Moisture: ı	not dec.		-		Da	te Analyzed:	9/24/07		
GC Column:	DB-VF	RX_ID: 0.1	18 (mm)		Dilu	ution Factor:	1.0		
Soil Extract Volume:			(uL)		Soi	l Aliquot Volu	ıme:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO).	COMPO	DUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	i-7	1,4-Di	chlorobenz	ene			1	U	
95-50-	1	1,2-Di	chlorobenze	ene			1 .	U	
96-12-	8	1,2-Di	1,2-Dibromo-3-chloropropane				1	U	1
120-82	-1		Trichlorobe				. 1	U	7
87-68-3	3	Hexac	hlorobutadi	ene			1	U	
87-61-6	3	1,2,3-	Frichlorober	nzene			1	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	CH			Contract:	IT-Lath	am	TRIP	BLAN	ıĸ
Lab Code:	10145	(Case No.:	R7-39812	SAS No).:	SD	G No.:	10380	31
Matrix: (soil/v	vater)	WATER			Lai	o Sampl	e ID:	1038064	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	_ Lal	File ID	: _	V5477.D		_
Level: (low/m	ned)	LOW			Da	te Recei	ved:	9/19/07		
% Moisture: r	not dec.				Da	te Analy	zed:	9/24/07		_
GC Column:	DB-VR	<u>X</u> ID:	0.18 (m	ım)	Dik	ition Fa	ctor:	1.0		
Soil Extract Volume:			(uL)		Soi	l Aliquot	Volum	ne:		(uL)
				COI	NCENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/	L or ug/Kg)	UG	<u>/L</u>			
CAS NO.		COMPO	OUND NAM	ΛE		RT	EST	CONC.	,	Q

2A WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

CAS/ROCH Lab Name:

Contract: IT-Latham

Lab Code:

10145

Case No.: R7-39812

SAS No.:

SDG No.: 1038061

	·		
	EPA	SMC1	TOT
	SAMPLE NO.	#	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	INFLUENTDLMS	D 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

•	SPIKE	SAMPLE	MS	MS	QC	
	ADDED	CONCENTRATION	ICENTRATION CONCENTRATION		LIMITS	
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	<u> </u>	
Lab Code:	10145		Case No.:	R7-39812	SAS No	.: s	DG No.: 10380	61
Matrix: (soil/v	vater)	WATER	₹ <u> </u>		Lat	Sample ID:	LCS	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V5476.D	 .
Level: (low/n	ned)	LOW			Dat	te Received:		_
% Moisture: r	not dec.				Dat	te Analyzed:	9/24/07	_
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	ım)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)		Soi	i Aliquot Volu	me:	(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	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	
75-25-2 541-73-1	1,3-Dichlorobenzene	5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

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Lab Name:	CAS/ROC	4		Contract:	IT-Latham		LCS	
Lab Code:	10145	Case No.:	R7-39812	SAS No	.: S	DG No.:	103806	1
Matrix: (soil/w	ater) <u>W</u>	ATER		Lat	Sample ID:	LCS		
Sample wt/vo	l: <u>25</u>	5.0 (g/ml)	ML ·	Lak	File ID:	V5476.E)	
Level: (low/m	ned) <u>LC</u>	ow	ī	Dat	e Received:			
% Moisture: n	ot dec.			Dat	e Analyzed:	9/24/07		
GC Column:	DB-VRX	ID: <u>0.18</u> (mi	m)	Dilu	ition Factor:	1.0		
Soil Extract V	olume:	(uL)		Soil	Aliquot Volu	me:		(uL)
			CON	CENTRAT	ION UNITS:			
CAS NO.		COMPOUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-	7	1,4-Dichlorobe	nzene			5	T	\neg
95-50-1		1,2-Dichlorobe	nzene			5		
96-12-8		1,2-Dibromo-3-	-chloroprop	ane		5	1	-
120-82-	1	1,2,4-Trichlorol				5		
87-68-3		Hexachlorobuta	adiene			5		
87-61-6		1,2,3-Trichlorob	penzene			5		7

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH

Contract: IT-Latham

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

Matrix Spike - EPA Sample No INFLUENTDL

	SPIKE	SAMPLE	MS	MS	QC	
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS	
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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	

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QCI	IMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	RPD	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	Ö.	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

RPD: 2 out of 12 outside limits

Spike Recovery: 2 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDLMS

Lab Name:	CAS/R	JCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-39812	SAS No.	:s	SDG No.: 103806	1
Matrix: (soil/v	vater)	WATE	R		Lab	Sample ID:	1038061 2.5 MS	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V5489.D	
Level: (low/n	ned)	LOW	 ·		Dat	e Received:	9/19/07	
% Moisture: r	not dec.				Date	e Analyzed:	9/24/07	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	ım)	Dilu	tion Factor:	2.5	•
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me.	/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	Ū
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	Ū
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	Ď
10061-01-5	cis-1,3-Dichloropropene	12	D
108-10-1	4-Methyl-2-Pentanone	12	Ū
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	Ū
124-48-1	Dibromochloromethane	13	D
106-93-4	1,2-Dibromoethane	13	D
108-90-7	Chlorobenzene	13	D
00-41-4	Ethylbenzene	13	D
330-20-7	(m+p) Xylene	26	D
330-20-7	o-Xylene	13	D
00-42-5	Styrene	12	D
9-34-5	1,1,2,2-Tetrachloroethane	13	D
5-25-2	Bromoform	13	D
41-73-1	1,3-Dichlorobenzene	13	D

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDLMS

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Lab Name:	CAS/RC	OCH			Contract:	IT-Latham	_	·	
Lab Code:	10145	Ca	se No.: R	7-39812	SAS No	.: s	DG No.:	103806	<u> </u>
Matrix: (soil/	water)	WATER	_	,	Lat	Sample ID:	1038061	2.5 MS	
Sample wt/vo	ol:	25.0	(g/ml) <u>I</u>	ML	Lat	File ID:	V5489.E)	
Level: (low/n	ned)	LOW			Dat	te Received:	9/19/07		
% Moisture: ı	not dec.				Dat	e Analyzed:	9/24/07		
GC Column:	DB-VR	X ID: <u>0.1</u>	18 (mm	1)	Dilu	ition Factor:	2.5		
Soil Extract V	/olume: _		_ (uL)		Soil	l Aliquot Volu	ıme:		(uL)
	• .		•	CON	CENTRAT	ION UNITS:			
CAS NO).	COMPO	DUND	(ug/L	or ug/Kg)	UG/L	· 	Q	
106-46	-7	1,4-Di	chloroben	zene			13	D	

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

1,2-Dibromo-3-chloropropane

95-50-1

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDLMSD

Lab Name:	CAS/R	OCH			Contract:	IT-Latham	
Lab Code:	10145		Case No.:	R7-39812	SAS No.	.: s	DG No.: 1038061
Matrix: (soil/	water)	WATE	<u>R</u>		Lab	Sample ID:	1038061 2.5 MSD
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lab	File ID:	V5490.D
Level: (low/r	ned)	LOW	· · ·		Dat	e Received:	9/19/07
% Moisture:	not dec.				Dat	e Analyzed:	9/24/07
GC Column:	DB-VF	RX_ID:	<u>0.18</u> (m	ım)	Dilu	tion Factor:	2.5
Soil Extract \	/olume:		(at)		Soil	Alignet Volu	mo: /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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDLMSD

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Lab Name:	CAS/R	OCH		Contract:	IT-Latham	_		
Lab Code:	10145	Case No	: R7-39812	SAS No	.: s	SDG No.:	1038061	<u> </u>
Matrix: (soil	/water)	WATER		Lat	Sample ID:	1038061	2.5 MSE)
Sample wt/\	/ol:	25.0 (g/m	I) ML	Lab	File ID:	V5490.E)	
Level: (low/	/med)	LOW		Dat	e Received:	9/19/07		
% Moisture:	not dec.			Dat	e Analyzed:	9/24/07		
GC Column	: DB-VF	RX ID: 0.18	mm)	Dilu	ition Factor:	2.5		
Soil Extract	Volume:	(uL)	1	Soil	Aliquot Volu	ıme:		(uL)
· · · · · · · · · · · · · · · · · · ·			CON	ICENTRAT	ION UNITS:			
CAS NO	Э.	COMPOUND	(ug/L	or ug/Kg)	UG/L	·	Q	
106-4	6-7	1,4-Dichloro	benzene			13	D	
95-50	-1	1,2-Dichloro	benzene			12	D	7

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CAS/ROCH Contract: IT-Latham VBLK

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/RO	DCH		_ Contract:	IT-Latham	_ L	
Lab Code:	10145		Case No.: R7-398	12 SAS No	: S	DG No.: 10380)61
Matrix: (soil/v	vater)	WATE	R	Lal	Sample ID:	VBLK	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lal	File ID:	V5475.D	_
Level: (low/n	ned)	LOW		Da	te Received:	,	<u> </u>
% Moisture: r	not dec.	****		Da	te Analyzed:	9/24/07	_
GC Column:	DB-VF	XX ID:	<u>0.18</u> (mm)	Dile	ution Factor:	1.0	
Soil Extract V	olume:		(uL)	Soi	l Aliquot Volu	ıme:	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	Ū
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	Ü
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	Ü
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ü
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	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name:	CAS/RO	СН		Contract:	IT-Latham	\ \ \ \ \ \	BLK	
Lab Code:	10145	Ca	ase No.: R7-3			DG No.:	103806	 31
Matrix: (soil/\	water)	WATER		Lai	b Sample ID:	VBLK		
Sample wt/vo	ol:	25.0	_ (g/ml) <u>ML</u>	Lal	b File ID:	V5475.D		
_evel: (low/n	ned)	LOW		Da	te Received:			
% Moisture: r	not dec.		·	Da	te Analyzed:	9/24/07		
GC Column:	DB-VR	K ID: 0.	.18 (mm)	Dilu	ution Factor:	1.0		
Soil Extract V	/olume: _		(uL)	Soi	l Aliquot Volu	me:		(uL)
				CONCENTRAT	ION UNITS:			
CAS NO).	COMP	OUND	(ug/L or ug/Kg)	UG/L		Q	
106-46	-7	1,4-D	ichlorobenzer			1	U	\neg

1,2-Dichlorobenzene

Hexachlorobutadiene

1,2,3-Trichlorobenzene

1,2,4-Trichlorobenzene

1,2-Dibromo-3-chloropropane

95-50-1

96-12-8

120-82-1

87-68-3

87-61-6

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAM	PLE	NO
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Lab Name:	CAS/RC	OCH			Contract:	IT-Lati	nam		ARTV	
Lab Code:	10145	с	ase No.:	R7-3981	2 SAS No).;	s	DG No.:	103806	31
Matrix: (soil/	water)	WATER			La	b Sampl	e ID:	VBLK		
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	La	b File ID):	V5475.E)	
Level: (low/n	ned)	LOW			Da	te Rece	ived:			
% Moisture:	not dec.				Da	te Analy	zed:	9/24/07		
GC Column:	DB-VF	<u>X</u> ID: 0	.18 (m	ım)	Dil	ution Fa	ctor:	1.0		
Soil Extract V	/olume:	· .	(uL)		So	il Aliquo	t Volu	me:		(uL)
				CO	NCENTRAT	ON UN	NTS:			
Number TICs	found:	0		(ug/	'L or ug/Kg)	UC	3/L			
CAS NO.		СОМРО	UND NAN	ΛE		RT	ES	ST. CONC	.	Q

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/RC	OCH	Contract: IT-Lath	am	
Lab Code: 10145	Case No.: R7-39812	SAS No.:	SDG N	No.: 1038061
Lab File ID: V545	4.D	BFB Injecti	on Date:	9/21/07
Instrument ID: GCM	S#6	BFB Injection	on Time:	10:35
GC Column: DB-VRX	ID: <u>0.18</u> (mm)	Heated Pur	ge: (Y/N)	N

		O/ DELATIVE
	ION ADUADANCE ODITION	% RELATIVE
m/e	ION ABUNDANCE CRITERIA	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
	4344 4 64	

1-Value is % mass 174

2-Value is % mass 176

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

	EPA	LAB	DATE	TIME	
	SAMPLE NO.	MPLE NO. SAMPLE ID		ANALYZED	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

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			BF	B Injection Date:	9/24/07
Instrument ID	: GCMS#6	····		BF	B Injection Time:	10:11
GC Column:	DB-VRX I	D: <u>0.18</u>	(mm)	He	ated Purge: (Y/N	l) <u>N</u>

8.0 - 40.0% of mass 95	ABUNDA 15.8	NCE
	15.8	
30.0 - 66.0% of mass 95	44.6	
Base peak, 100% relative abundance	100.0	
5.0 - 9.0% of mass 95	7.4	
Less than 2.0% of mass 174	0.9 (1.0)1
50.0 - 120.0% of mass 95	96.2	
1.0 - 9.0% of mass 174	7.1 (7.3)1
93.0 - 101.0% of mass 174	94.7 (98.4)1
5.0 - 9.0% of mass 176	5.6 (5.9)2
	Base peak, 100% relative abundance 5.0 - 9.0% of mass 95 Less than 2.0% of mass 174 50.0 - 120.0% of mass 95 4.0 - 9.0% of mass 174 93.0 - 101.0% of mass 174 5.0 - 9.0% of mass 176	Base peak, 100% relative abundance 100.0 5.0 - 9.0% of mass 95 7.4 Less than 2.0% of mass 174 0.9 (50.0 - 120.0% of mass 95 96.2 4.0 - 9.0% of mass 174 7.1 (93.0 - 101.0% of mass 174 94.7 (

1-Value is % mass 174

2-Value is % mass 176

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

	EPA	LAB	LAB	DATE	TIME
. [SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 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	INFLUENTOL	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



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



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 132 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 #: R2740356

Page 1 of 2

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

Page 2 of 2

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	BATCH COMPLETE:yes	DATE REVISED: 10/18/10 000												
SUBMISSION R2740356	DISKETTE REQUESTED: Y_XN	DATE DUE: 11/08/07												
CLIENT: Shaw Environmental	DATE: 10/18/07	PROTOCOL: CLP												
CLIENT REP: Carlton Beechler	CUSTODY SEAL: PRESENT/ABSENT:	SHIPPING No.:												
PROJECT: GE-MRFA PROJECT #810066	CHAIN OF CUSTODY: PRESENT/ABSENT:													
CAS JOR # ICLIENT/EDA ID	MATRIX DECLIECTED DADAMETERS	DATE DATE OF DEMANDED												

1	Canton Deechler		T SEAL: PRESENT/ABSENT:	SHIPPING NO.:										
PROJECT:	GE-MRFA PROJECT #810066	CHAIN O	F CUSTODY: PRESENT/ABSENT:											
CAS JOB#	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE	DATE	pН	%	REMARKS						
				SAMPLED	RECEIVED	(SOLIDS)	SOLIDS	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		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-33Ş	WATER	OLC2.1 VOA	10/17/2007	10/18/07		`							
1046934	M-24D	WATER	OLC2.1 VOA	10/17/2007	10/18/07			<u> </u>						
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		<u> </u>	·						
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									
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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







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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M- 33I		10/17/0	1040	GW.	3							X								
M- 33S		1	1025		3							X								
M- 21D			905		3							X								
M- 29D			840		3		ĺ					χ								
140			805		3							X								
SW-B		1	1410		3							X	χ	X						,
3W-G		10/16/0	1130		3							X								
SW- F			1210		3					·		X								
SW-E			1320		3							X								
SW-D		1	1450		3		Î					X								
SPECIAL INSTRUCTIONS/COMMENTS Metals		1	1515	1	3	Т	RUS	ROUND H (SURC	HARGES	S APPLY	n	-		ORT R	EQUIRI	EMENT	S		INVO	DICE INFORMATION
						<u> </u>	•	4	18 hr _	5	day	X			C Summ S/MSD a:		ed)	PO	į	
						REQU		NDARD FAX DAT	E			_	•	ults + Q	C and C		-	BILL	LTO:	
						REQU	JESTED	REPORT	DATE				IV. Date	a Validai	tion Repo			•		
See QAPP								,					V. Spei	calized l	Forms / (Custom I	Report	0,10	MISSION	
SAMPLE RECEIPT: CONDITION/COO	LER TEMP:		CUS	TODY SEA	LS: Y	N						1	Edata		Yes	!	No	300	MISSION	Pryy0338
RELINQUISHED BY	RECEIVED BY		REL	INQUISHED	BY			RECEI	VED BY	,			F	RELINC	UISHE	D BY				RECEIVED BY
Bigneture S	Signatur 111111111111111111111111111111111111	uu si	gnature			Signal	ture					Signal	ure				<u> </u>	Sign	ature	
Printed Name	CHELONO GMEN		inted Name		·	Printe	d Name					Printer	Name	. •		- *		Print	ed Name	
Firm F	サクスト	Fi	rm		············	Firm					*····	Firm		<u> </u>			•	Firm		
Date/Time 10/11/6>1707	Date/Tim10-18-07 10:10	Ďŧ	ate/Time			Date/1	ime					Date/1	ime			· · · · · · · · · · · · · · · · · · ·		Date	/Time	
14/1/10/1	טויען זעסן עו											<u> </u>								SCOC-1102-08

Cooler Receipt And Preservation Check Form

	1							
ject/Client	haw			Submis	sion Numb	er <u>Rd-4035</u>	6	
oler received on 10	0-18-07 by:_	K	_COU	RIER	: CAS (JPS FEDEX	VELOCITY	CLIENT
Were custod Did all bottle Did any VO Were Ice or Where did th	y seals on outside y papers properly es arrive in good c A vials have signi Ice packs present he bottles originate of cooler(s) upor	filled ondition ficant and a second and a second	out (in on (unt air bub	oroken		YES YES YES YES CAS/R	NO NO NO NO NO NO COC CLIENT	:
Is the temper	rature within 0° -	6° C?:	(Yes	Yes	Yes	Yes	Yes
•	Temperatures Take			No -18-0		No 10:19		No
Thermometer	er ID: 161 or	IR G	UN	Read	ng From:	Temp Blank	or Sample	Bottle
	ure, Client Appr ew:				les			
·	Date :		analys	-		tc.)? YES	NO	· .
Were correct	ct containers used s: Cassettes / Tu	for the	tests i	ndicat	ed?	YES YES Tedlar	NO NO Bags Inflate	d N/A
Were correct Air Sample	ct containers used s: Cassettes / Tu	for the	tests i	ndicat Canis	ed?		NO	d N/A
Were correct Air Sample	ct containers used s: Cassettes / Tu	for the	tests i	ndicat Canis	ed? ters Pressur	rized Tedlar	NO r® Bags Inflate	
Were correct Air Samples xplain any discrep	et containers used s: Cassettes / Tu pancies:	for the	tests i	ndicat Canis	ed? ters Pressur	rized Tedlar	NO r® Bags Inflate	
Were correct Air Samples xplain any discrep	ct containers used s: Cassettes / Tu pancies: Reagent	for the	tests i	ndicat Canis	ed? ters Pressur	rized Tedlar	NO r® Bags Inflate	
Were correct Air Sample: xplain any discrep pH ≥12	ct containers used s: Cassettes / Tu pancies: Reagent NaOH	for the	tests i	ndicat Canis	ed? ters Pressur	rized Tedlar	NO r® Bags Inflate	
Were correct Air Samples xplain any discrep pH ≥12 ≤2	ct containers used s: Cassettes / Tu pancies: Reagent NaOH HNO ₃ H ₂ SO ₄	for the	tests i	ndicat Canis	ed? ters Pressur	rized Tedlar	NO r® Bags Inflate	
Were correct Air Samples xplain any discrep pH ≥12 ≤2 ≤2	ct containers used s: Cassettes / Tu pancies: Reagent NaOH HNO ₃ H ₂ SO ₄ for TCN & Phenol	for the bes Int	NO NO	ndicat Canis Samp	ed? ters Pressur	rized Tedlar	NO r® Bags Inflate Vol. Added	
Were correct Air Samples xplain any discrep pH ≥12 ≤2 ≤2 esidual Chlorine (+/-) ES = All samples OK	ct containers used s: Cassettes / Tu pancies: Reagent NaOH HNO ₃ H ₂ SO ₄ for TCN & Phenol	YES mples w	NO NO	ndicat Canis Samp	ed? ters Pressur	Reagent PC OK to ad	NO r® Bags Inflate Vol. Added	
Were correct Air Samples xplain any discrep pH ≥12 ≤2 ≤2 esidual Chlorine (+/-) ES = All samples OK	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol NO = Sa OC Vial pH Verificatio (Tested after Analysis) Following Samples Exhibited pH > 2	YES mples w	NO NO Presented in the second	ndicat Canis Samp	ed? ters Pressur le I.D.	Reagent PC OK to ad	NO r® Bags Inflate Vol. Added	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3S

Lab Name:	CAS/RO	OCH		Contract: IT-Latha	m	DGC-33	
Lab Code:	10145	Ca	ase No.: <u>R7-40356</u>	SAS No.:	SDG N	No.: DGC-3S	3
Matrix: (soil/v	water)	WATER	_	Lab Sample	ID: 104	6924 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File ID:	V61	17.D	
Level: (low/n	ned)	LOW		Date Receive	ed: 10/1	8/07	
% Moisture: ı	not dec.			Date Analyze	ed: 10/2	26/07	
GC Column:	DB-VF	<u>RX</u> ID: <u>0</u>	.18 (mm)	Dilution Factor	or: 1.0		
Soil Extract \	/olume:		(uL)	Soil Aliquot V	/olume:		(uL

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	Ü
75-69-4	Trichlorofluoromethane	1	Ü
75-35-4	1,1-Dichloroethene	1	Ü
67-64-1	Acetone	5	Ull
75-15-0	Carbon Disulfide	1	Ü
75-09-2	Methylene Chloride	1	Ū
156-60-5	trans-1,2-Dichloroethene	1	Ū
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	Ū
78-93-3	2-Butanone	5	Ult
74-97-5	Bromochloromethane	1	U
67-66-3	. Chloroform	1	Ü
107-06-2	1,2-Dichloroethane	1	Ü
71-55-6	1,1,1-Trichloroethane	1	Ü
56-23-5	Carbon Tetrachloride	1	Ü
71-43-2	Benzene	1	Ü
79-01-6	Trichloroethene	1	Ü
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	Ū
10061-01-5	cis-1,3-Dichloropropene	1	Ü
108-10-1	4-Methyl-2-Pentanone	5	Ü
108-88-3	Toluene	1	Ū
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	Ü
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	Ü
124-48-1	Dibromochloromethane	1	Ü
106-93-4	1,2-Dibromoethane	1	Ü
108-90-7	Chlorobenzene	1	Ü
100-41-4	Ethylbenzene	1	Ü
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	Ü
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3S
<u> </u>

Lab Name:	CAS/RC	OCH		Contract:	IT-Latham		
Lab Code:	10145	Cas	se No.: <u>R7-40356</u>	SAS No	.: \$	SDG No.: DGC-3S	3
Matrix: (soil/v	vater)	WATER		Lat	Sample ID:	1046924 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab	File ID:	V6117.D	
Level: (low/n	ned)	LOW	_	Dat	te Received:	10/18/07	
% Moisture: r	not dec.			Dat	te Analyzed:	10/26/07	
GC Column:	DB-VF	RX ID: <u>0.1</u>	18 (mm)	Dilu	ution Factor:	1.0	
Soil Extract V	/olume:		_ (uL)	Soil	l Aliquot Volu	ıme:	(uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene		1	Ü
95-50-1	1,2-Dichloroben			1	11
96-12-8	1,2-Dibromo-3-c			1	ÜW
120-82-1	1,2,4-Trichlorob			1	<u> </u>
87-68-3	Hexachlorobuta			1	11
87-61-6	1,2,3-Trichlorob			1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: CAS/ROC	Н	Contract: IT-Latham	DGC-38
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: 2	25.0 (g/ml) ML	Lab File ID:	V6117.D
Level: (low/med) L	.OW	Date Received:	10/18/07
% Moisture: not dec.		Date Analyzed:	10/26/07
GC Column: DB-VRX	ID: <u>0.18</u> (mm)	Dilution Factor:	1.0
Soil Extract Volume:	(uL)	Soil Aliquot Volu	ume: (uL)
	CON	CENTRATION UNITS:	
Number TICs found:	0 (ug/L	or ug/Kg) UG/L	····
CAS NO.	COMPOUND NAME	RT E	ST. CONC. Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO
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SAS No.: SDG No.: DGC-3S

			·	4D
Lab Name:	CAS/ROCH	Contract:	IT-Latham	

Matrix: (soil/water) WATER Lab Sample ID: 1046925 1.0

10145 Case No.: R7-40356

Lab Code:

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 (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	Ū
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	UP
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	UUS
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	٦
78-87-5	1,2-Dichloropropane	1	٦
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	J
108-10-1	4-Methyl-2-Pentanone	5	۲
108-88-3	Toluene	1	J
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	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ū
75-25-2	Bromoform	1	Ŭ
541-73-1	1,3-Dichlorobenzene	1	Ū

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

1,2-Dibromo-3-chloropropane

95-50-1

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	LE NO
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ULS

Lab Name:	CAS/RO	ОСН	Contract:	IT-Latham	4	ID	
Lab Code:	10145	Case No.: R	7-40356 SAS No	o.: S	DG No.: D	GC-3	 S
Matrix: (soil/\	water)	WATER	Lal	b Sample ID:	1046925 1	.0	
Sample wt/ve	ol:	25.0 (g/ml) <u>N</u>	IL Lal	b File ID:	V6118.D		
_evel: (low/r	med)	LOW	Da	te Received:	10/18/07		
% Moisture:	not dec.		Da	te Analyzed:	10/26/07		
GC Column:	DB-VF	RX ID: 0.18 (mm) Dile	ution Factor:	1.0		
Soil Extract \	/olume:	(uL)	Soi	il Aliquot Volu	ıme:		(uL)
			CONCENTRAT	ION UNITS:			
CAS NO) .	COMPOUND	(ug/L or ug/Kg)	UG/L		Q	
106-46	3-7	1,4-Dichlorobena	zene		1	U	\neg

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.

Lab Name:	CAS/RC	CH		Contract:	IT-Latha	<u>m</u>	
Lab Code:	10145	Ca	se No.: <u>R7-40</u>	356 SAS No	o.:	SDG No.: DGC	-3S
Matrix: (soil/v	vater)	WATER	_	La	b Sample	ID: 1046925 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	La	b File ID:	V6118.D	
Level: (low/n	ned)	LOW	_	Da	ite Receiv	ed: 10/18/07	
% Moisture:	not dec.		····	Da	ite Analyz	ed: 10/26/07	
GC Column: DB-VRX ID: 0.18 (mm				Di	ution Fact	or: <u>1.0</u>	
Soil Extract \	/olume:		_ (uL)	Sc	il Aliquot \	Volume:	(uL)
				CONCENTRA	TION UNI	TS:	
Number TICs	s found:	0		(ug/L or ug/Kg)	UG/	<u>L</u>	
CAS NO.		COMPOL	JND NAME		RT	EST. CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-4S

Lab Name:	CAS/RC	СН			Contract:	IT-Latham		
Lab Code: 10145			Case No.: <u>R7-40356</u>		SAS No	.: s	DG No.: DGC-3	S
Matrix: (soil/v	vater)	WATER	₹		Lat	Sample ID:	1046926 1.0	
Sample wt/vo	ol;	25.0	(g/ml)	ML	Lat	File ID:	V6119.D	
Level: (low/med)		LOW	·		Dat	te Received:	10/18/07	
% Moisture: ı	not dec.				Dat	te Analyzed:	10/26/07	
GC Column:	DB-VF	XX ID:	<u>0.18</u> (m	nm)	Dile	ution Factor:	1.0	
Soil Extract V	olume:		(uL)		Soi	l Aliquot Volu	me:	(uL

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CAS/ROCH Contract: IT-Latham DGC-4S

 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)

CAS NO.	COMPOUND (ug	g/L or ug/Kg)	UG/L	_	Q	
106-46-7	1,4-Dichlorobenzene			1	U	
95-50-1	1,2-Dichlorobenzene		1	11		
96-12-8	1,2-Dibromo-3-chlorop	1,2-Dibromo-3-chloropropane				
120-82-1	1,2,4-Trichlorobenzene					
87-68-3	Hexachlorobutadiene			1		
87-61 - 6	1,2,3-Trichlorobenzene)	 	1	Ü	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	СН			Contract:	IT-Lath	am	D	GC-4S	i
Lab Code:	10145	Ca	se No.:	R7-40356	SAS No	.:	SD	G No.:	DGC-	3S
Matrix: (soil/v	water)	WATER			Lat	Sample	e ID: _1	046926	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	: <u>\</u>	/6119.D)	
Level: (low/r	ned)	LOW	_		Da	te Recei	ved: 1	0/18/07	,	-
% Moisture:	not dec.				Dat	te Analy:	zed: 1	0/26/07	,	_
GC Column:	DB-VF	X ID: 0.	<u>18</u> (m	m)	Dilu	ution Fac	ctor: 1	.0		_
Soil Extract \	/olume:		_ (uL)		Soi	l Aliquot	Volum	e:		_ (uL)
				CON	CONCENTRATION UNITS:					
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	/L			
CAS NO.		СОМРОИ	ND NAM	ΙE		RT	EST	. CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27D

Lab Name:	CAS/RC	CH	·		Contract:	IT-Latham			
Lab Cod e :	10145		Case No.: R7-40356		SAS No	o.: S	DG No.: DGC-3S		
Matrix: (soil/w	vater)	WATER			La	b Sample ID:	1046927 1.0		
Sample wt/vo	ol:	25.0	(g/ml)	ML	La	b File ID:	V6120.D		
Level: (low/m	ned)	LOW			Da	te Received:	10/18/07		
% Moisture: r	not dec.	*******			Da	ite Analyzed:	10/26/07		
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	ım)	Dil	ution Factor:	1.0		
Soil Extract V	/olume:		(uL)		So	il Aliquot Volu	ıme:	(uL	

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
75-6 9 -4	Trichlorofluoromethane	0.8	J
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	ULL
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	Ü
78-93-3	2-Butanone	5	UUI
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	Ŭ
79-34-5	1,1,2,2-Tetrachioroethane	1	Ŭ
75-25-2	Bromoform	i	Ü
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27D

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Lab Name:	CAS/RC	OCH			Contract:	IT-Latham			
Lab Code:	10145	Cas	se No.:	R7-40356	SAS No	o.: ;	SDG No.:	DGC-3	S
Matrix: (soil/	water)	WATER	_		Lal	b Sample ID	104692	7 1.0	
Sample wt/ve	ol:	25.0	(g/ml)	ML	Lal	b File ID:	V6120.	D	
Level: (low/r	med)	LOW	_		Da	te Received	10/18/0	7	
% Moisture:	not dec.				Da	te Analyzed:	10/26/0	7	
GC Column:	DB-VF	X ID: 0.1	8 (m	nm)	Dil	ution Factor:	1.0	·	
Soil Extract \	Volume:		_ (uL)		So	il Aliquot Vol	ume:		(uL)
				CON	NCENTRAT	TION UNITS			
CAS NO) .	COMPO	DUND	(ug/l	L or ug/Kg)	UG/L		Q	
106-4	6-7	1,4-Di	chlorob	enzene			1	U	
95-50	-1	1,2-Di	chlorob	enzene			1	U	

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	CH			Contract:	IT-Lath	am		M-27D	
Lab Code:	10145		Case No.:	R7-40356	SAS No	.:	SD	G No.:	DGC-3	 3S
Matrix: (soil/v	vater)	WATER	<u> </u>		Lab	Sample	e ID: 1	046927	7 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID	: v	/6120.E)	
Level: (low/n	ned)	LOW			Dat	e Recei	ved: 1	0/18/07	,	-
% Moisture: r	not dec.				Dat	e Analy	zed: 1	0/26/07	,	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	ım)	Dilu	ition Fac	ctor: 1	.0		-
Soil Extract V	olume:		(uL)		Soil	Aliquot	Volum	e:		- _ (uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	/L			
CAS NO.		СОМРО	NAN DNUC	ΛE		RT	EST.	CONC	·	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N	10.
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13**D**

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	ı [
Lab Code:	10145	с	ase No.:	R7-40356	SAS No	.:	SDG No.: DGC-3	s
Matrix: (soil/v	vater)	WATER			Lal	o Sample IC	D: 1046928 1.0	
Sample wt/vo	oł:	25.0	_ (g/ml)	ML	Lal	File ID:	V6123.D	
Level: (low/n	ned)	LOW			Da	te Received	d: <u>10/18/07</u>	
% Moisture: r	not dec.				Da	te Analyzed	l: 10/26/07	
GC Column:	DB-VF	RX ID: 0	.18 (n	nm)	Dile	ution Factor	: 1.0	
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Vo	lume:	(uL)

Chloromethane		
Oniorometrarie	1	U
Vinyl Chloride		Ü
Bromomethane		U
Chloroethane		Ü
Trichlorofluoromethane		Ü
1,1-Dichloroethene		Ū
Acetone		UUI
Carbon Disulfide		U
Methylene Chloride		Ü
trans-1,2-Dichloroethene		Ü
1,1-Dichloroethane		U
cis-1,2-Dichloroethene		Ü
2-Butanone		u w
Bromochloromethane		Ü
Chloroform		Ü
1,2-Dichloroethane	***	U
1,1,1-Trichloroethane		U
Carbon Tetrachloride		
Benzene		U
Trichloroethene		U
1,2-Dichloropropane		Ü
		U
cis-1,3-Dichloropropene		Ü
		Ü
Toluene		Ü
trans-1,3-Dichloropropene		Ü
1,1,2-Trichloroethane		U
Tetrachloroethene		U
2-Hexanone		U
		Ü
1,2-Dibromoethane		U
Chlorobenzene		U
		U
	<u> </u>	U
	· · · · · · · · · · · · · · · · · · ·	U
		U
	·	U
		U
	Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Acetone Carbon Disulfide Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Bromochloromethane Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon Tetrachloride Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane cis-1,3-Dichloropropene 4-Methyl-2-Pentanone Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethene 2-Hexanone Dibromochloromethane	Vinyl Chloride 1 Bromomethane 1 Chloroethane 1 Trichloroftuoromethane 1 1,1-Dichloroethene 1 Acetone 5 Carbon Disulfide 1 Methylene Chloride 1 trans-1,2-Dichloroethene 1 1,1-Dichloroethane 1 cis-1,2-Dichloroethane 1 2-Butanone 5 Bromochloromethane 1 Chloroform 1 1,2-Dichloroethane 1 1,1,1-Trichloroethane 1 Trichloroethane 1 Trichloroethene 1 1,2-Dichloropropane 1 Bromodichloromethane 1 cis-1,3-Dichloropropene 1 4-Methyl-2-Pentanone 5 Toluene 1 trans-1,3-Dichloropropene 1 1,1,2-Trichloroethane 1 Tetrachloroethene 1 2-Hexanone 5 Dibromochloromethane 1

VOLATILE ORGANICS ANALYSIS DATA SHEET

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EPA	SAM	PLE.	NO.

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									13D	- 1
Lab Name:	CAS/RO	CH			Contract:	IT-Lathan	n			
Lab Code:	10145	Cas	e No.:	R7-40356	SAS No).:	SDO	3 No.:	DGC-	3S
Matrix: (soil/w	ater)	WATER			La	b Sample I	D: 1	046928	3 1.0	
Sample wt/vol	:	25.0	(g/ml)	ML	La	b File ID:	V	6123.C)	
Level: (low/m	ed)	LOW			Da	te Receive	d: <u>1</u>	0/18/07	7	
% Moisture: n	ot dec.				Da	te Analyze	d: <u>1</u>	0/26/07	7	_
GC Column:	DB-VR	X ID: 0.1	<u>8</u> (n	nm)	Dil	ution Facto	r: <u>1</u>	.0		_
Soil Extract Vo	olume: _		_ (uL)		So	il Aliquot V	olum	e:		_ (uL)
				СО	NCENTRAT	TION UNIT	S:			
CAS NO.	•	COMPO	UND	(ug	L or ug/Kg)	UG/L			Q	
106-46-	-7	1.4-Di	chlorob	enzene				1	U	
95-50-1	•			enzene				1	U	
96-12-8				3-chloropr	opane			1		W
120-82		····		ohenzene				1	111	

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAN	MPLE	NO.

Lab Name:	CAS/RC	CH			Contract:	IT-Lathai	n [,,,, · · , , · · · .	130	
Lab Code:	10145	Ca	se No.:	R7-40356	SAS No		SDG	No.:	DGC-3S	
Matrix: (soil/v	vater)	WATER			Lat	Sample	D: 10)46928	3 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lat	File ID:	V	6123.E)	
Level: (low/n	ned)	LOW	_		Dat	te Receive	ed: <u>10</u>)/18/07	7	
% Moisture:	not dec.				Dat	te Analyze	ed: <u>10</u>)/26/07	7	
GC Column:	DB-VF	<u> X</u> ID: <u>0</u>	.18(n	nm)	Dilu	ution Facto	or: <u>1.</u>	0		
Soil Extract \	/olume:		(uL)		Soi	l Aliquot V	olume	»:		(uL)
					NCENTRAT		•			
Number TICs	s found:	0		(ug/	L or ug/Kg)	UG/L				
CAS NO.		СОМРО	UND NA	ME		RT	EST.	CONC	D. 0	2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO	EP/	A S	ΑN	1PL	E	NO
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DUPE	DU	PΕ
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Lab Name:	CAS/RC	CH			Contract:	IT-Latham	_	
Lab Code:	10145		Case No.:	R7-40356	SAS No	.: S	DG No.: DGC-3	<u>S</u>
Matrix: (soil/v	vater)	WATER			Lat	Sample ID:	1046929 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V6124.D	
Level: (low/n	ned)	LOW			Dat	e Received:	10/18/07	
% Moisture: ı	not dec.		···		Dat	e Analyzed:	10/26/07	
GC Column:	DB-VF	XX ID:	<u>0.18</u> (m	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Volu	me:	(uL)

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	UW
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 US
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	J
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 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	Ū
541-73-1	1,3-Dichlorobenzene		1	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-40356	SAS No	o.: S	DG No.: DGC-	3S
Matrix: (soil/v	vater)	WATER	<u> </u>		Lal	b Sample ID:	1046929 1.0	
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lal	b File ID:	V6124.D	_
Level: (low/n	ned)	LOW			Da	te Received:	10/18/07	
% Moisture: r	not dec.				Da	te Analyzed:	10/26/07	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	nm)	Dile	ution Factor:	1.0	_
Soil Extract V	/olume:		(uL)		So	il Aliquot Volu	ıme:	(uL
								_

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

				·· · · · · ·		-			- 1
Lab Name:	CAS/RC	СН		Contract:	: <u>IT</u> -	Latham	_	DUPE	
Lab Code:	10145		Case No.: <u>R7-4</u>	10356 SAS N	lo.: _	S	DG No.:	DGC-3	s_
Matrix: (soil/v	vater)	WATER		La	ab Sa	ample ID:	1046929	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	L	ab Fil	e ID:	V6124.D)	
Level: (low/n	ned)	LOW		D	ate R	Received:	10/18/07	7	
% Moisture:	not dec.	····		D	ate A	nalyzed:	10/26/07	7	
GC Column:	DB-VF	<u>₹X</u> ID: /	0.18 (mm)	D	ilutior	n Factor:	1.0		
Soil Extract \	/olume:		(uL)	S	oil Ali	quot Volu	me:		(uL)
				CONCENTRA	(TION	UNITS:			
Number TICs	s found:	0		(ug/L or ug/Kg	1)	UG/L			
CAS NO.		COMP	OUND NAME		R'	T ES	ST. CONC	3 .	Q

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham			
Lab Code:	10145	Ca	se No.:	R7-40356	SAS No	.: ;	SDG No.:	DGC-3S	
Matrix: (soil/v	vater)	WATER			Lat	Sample ID	1046930	2.5	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lat	File ID:	V6125.E)	
Level: (low/n	ned)	LOW	_		Dat	te Received:	10/18/07	7	
% Moisture: r	not dec.				Dat	te Analyzed:	10/26/07		
GC Column:	DB-VI	RX ID: 0.	.18 (n	nm)	Dilu	ution Factor:	4.0-2	.5	of 11/13/07
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Vol	ume:		(uL)

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	UUI
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 U
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 6 6	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	Ū
75-25-2	Bromoform	2	Ū
541-73-1	1,3-Dichlorobenzene	2	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D Lab Name: CAS/ROCH Contract: IT-Latham SAS No.: SDG No.: DGC-3S Lab Code: 10145 Case No.: R7-40356 Matrix: (soil/water) WATER Lab Sample ID: 1046930 2.5 (g/ml) ML Sample wt/vol: 25.0 Lab File ID: V6125.D LOW Level: (low/med) Date Received: 10/18/07 % Moisture: not dec. Date Analyzed: 10/26/07 DL 11/13/07 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 4:0 2.5 Soil Aliquot Volume: Soil Extract Volume: (uL) (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	UUJ
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E NO
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Lab Name:	CAS/RO	СН		Contract:	IT-Lathar		1-25D	
Lab Code:	10145	Case N	lo.: R7-4035	 56 SAS No	.:	SDG No.:	DGC-3S	
Matrix: (soil/w	ater)	WATER		La	Sample l	ID: <u>1046930</u>	2.5	
Sample wt/vo	l:	25.0 (g	/mi) ML	La	o File ID:	V6125.D	and the second of the second o	
Level: (low/m	ned)	LOW		Da	te Receive	ed: <u>10/18/07</u>		
% Moisture: n	ot dec.			Da	te Analyze	ed: 10/26/07		
GC Column:	DB-VR	X ID: <u>0.18</u>	(mm)	Dil	ution Facto	or: - 1:0-2 .5	5 PL 11-	13-07
Soil Extract V	olume:	(uL)	So	il Aliquot V	/olume:	(ul	-)
			C	ONCENTRAT	TION UNIT	S:		
Number TICs	found:	0	(uį	g/L or ug/Kg)	UG/L			
CAS NO.		COMPOUND	NAME		RT	EST. CONC	. Q	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/RC	ОСН	Contract:	IT-Latham	M	-25DDL
Lab Code:	10145	Case No.: R7-	-40356 SAS No	.: SC	G No.:	DGC-3S
Matrix: (soil/v						
·	•			Sample ID:	· · · · · · · · · · · · · · · · · · ·	
Sample wt/vo	ol:	25.0 (g/ml) ML	Lat	File ID:	√6160.E)
Level: (low/n	ned)	LOW	Dat	e Received:	10/18/07	, –
% Moisture: r	not dec.		Dat	e Analyzed:	10/27/07	, /
GC Column:	DB-VF	RX ID: 0.18 (mm)		ition Factor:		
				-		
Soil Extract V	/olume:	(uL)	Soi	l Aliquot Volum	ne:	(ul
			0010517517	10111111		
			CONCENTRAT		/	/
CAS NO).	COMPOUND	(ug/L or ug/Kg)	UG/L	/	Q
74-87-	2	Chloromothona				1
7 4-0 7-		Chloromethane Vinyl Chloride			<u>/5</u>	U
74-83-		Bromomethane			5 5	U
75-00-		Chloroethane		/		U
75-69-			thana.	-	5	U
75-09-		Trichlorofluorome 1,1-Dichloroethen			5	U
67-64-		Acetone	le		5	U
75-15-		Carbon Disulfide			25	U
75-13-		Methylene Chloric	<u> </u>		<u>5</u> 5	U
156-60		trans-1,2-Dichloro			<u>5</u>	U
75-34-		1,1-Dichloroethan		-/ 	<u>5</u>	U
156-59		cis-1,2-Dichloroet		/ 	<u> </u>	JD
78-93-		2-Butanone	i lei le	/	25	U
74-97-		Bromochlorometh	ane /		<u></u>	U
67-66-		Chloroform	arie /		<u>5</u> 6	D
107-06		1,2-Dichloroethan			5	U
71-55-		1,1,1-Trichloroeth			5	U
56-23-		Carbon Tetrachlor			<u>5</u>	D
71-43-		Benzene	iue /		5	U
79-01-		Trichloroethene		 	37	D
78-87-		1,2-Dichloropropa	ne /	- 	5	U
75-27-		Bromodichlorome			5	U
10061-		cis-1,3-Dichloropr		- 	<u>5</u>	U
108-10		4-Methyl-2-Pentar			25	U
108-88		Toluene	lone		5	U
10061-		trans-1,3-Dichloro	nronene		<u> </u>	U
79-00-		1,1,2-Trichloroeth			<u> </u>	U
127-18		Tetrachloroethene			<u>5</u>	U
591-78		2-Hexanone	,		<u>5</u> 	U
124-48		Dibromochlorome	thane			
106-93	·	1,2-Dibromoethan			5	U
108-90		Chlorobenzene	<u> </u>		5	U
100-90					5	U
1330-2		Ethylbenzene (m+p) Xylene			5	U
1330-2	U-1	(IIITP) Aylene			5	U

1330-20-7

100-42-5

79-34-5

75-25-2

541-73-1

o-Xylene

Styrene

Bromoform

1,1,2,2-Tetrachloroethane

1,3-Dichlorobenzene

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25DDL

Lab Name:	CAS/RC	CH		Contract:	IT-Latham		
Lab Code:	10145	Case	No.: R7-4	40356 SAS N	o.: S	SDG No.: DG	C-3S
Matrix: (soil/v	vater)	WATER		L	ab Sample ID	: <u>1046930/5.0</u>	
Sample wt/vo	ol:	25.0	g/ml) ML	L	ab File ID:	V6160/D	
Level: (low/n	ned)	LOW		D	ate Received:	10/18/07	
% Moisture:	not dec.			D	ate Analyzed:	10/27/07	
GC Column:	DB-VF	X ID: <u>0.18</u>	_ (mm)	D	ilution Factor:	5.0	
Soil Extract \	/olume:		(uL)	S	oil Aliquot Vøl	ume:	(uL)
				CONCENTRA	TION UNITS	:	
CAS NO).	COMPOL	JND	(ug/L or ug/Kg	i) <u>/UG/L</u>		Q
106-46	3-7	1 4-Dich	lorobenze	ne.	_/	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE	NO.
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M-25DDL

Lab Name:	CAS/RC	CH			Contract:	IT-Latha	ım	_		
Lab Code:	10145		Case No.:	R7-40356	SAS No	.:	S	DG No.:	DGC-3	3S
Matrix: (soil/v	vater)	WATER	₹		Lat	Sample	ID:	1046930	5.0	
Sample wt/ve	ol:	25.0	(g/ml)	ML	Lat	File ID:		V6160.D		_
Level: (low/r	ned)	LOW			Da	te Receiv	ed:	10/18/07		
% Moisture:	not dec.				Dat	te Analyz	ed:	10/27/07		_
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dile	ution Fact	tor:	5.0		
Soil Extract \	/olume:		(uL)		Soi	l Aliquot	Volu	me:		_ (uL)
				COI	NCENTRAT	ON UNI	TS:			
Number TICs	s found:	0		(ug/	L or ug/Kg)	UG/	L			
CAS NO.		COMP	OUND NA	ME		RT	ES	ST. CONC) .	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11D

Lab Name:	CAS/RC	CH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-40356	SAS No	.: S	DG No.: DGC-3	S
Matrix: (soil/w	/at er)	WATE	₹		Lat	Sample ID:	1046931 1.0	
Sample wt/vo	d:	25.0	(g/ml)	ML	Lat	File ID:	V6126.D	
Level: (low/m	ned)	LOW			Dat	te Received:	10/18/07	
% Moisture: n	ot dec.		***************************************		Dat	te Analyzed:	10/26/07	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)		Soi	l Aliquot Volu	me:	(uL

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	UU
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	J
156-60-5	trans-1,2-Dichloroethene	1	C
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	ULL
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	Ü
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	Ū
124-48-1	Dibromochloromethane	1	Ū
106-93-4	1,2-Dibromoethane	1	Ū
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	Ü
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	Ü
541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: (CAS/ROCH			Contract:	IT-Latham		עוו	
Lab Code:	10145	Case No.:	R7-40356	SAS No	•	SDG No.	: DGC-	38
Matrix: (soil/wa	ater) <u>WA</u>	TER		Lab	Sample ID): 104693	31 1.0	<u> </u>
Sample wt/vol:	25.	0 (g/ml) <u>ML</u>	Lab	File ID:	V6126	.D	
Level: (low/me	ed) <u>LO</u>	<u> </u>		Dat	e Received	l: 10/18/0)7	-
% Moisture: no	ot dec.			Dat	e Analyzed	: 10/26/0)7	_
GC Column:	DB-VRX	ID: <u>0.18</u> (mm)	Dilu	ition Factor	: 1.0		_
Soil Extract Vo	lume:	(uL)		Soil	Aliquot Vo	lume:		_ _ (uL)
			CON	CENTRAT	ION UNITS	i:		
CAS NO.	1	COMPOUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-	7	1,4-Dichlorol	penzene		T	1	U	
95-50-1	_	1,2-Dichlorol	penzene			1	Ū	
96-12-8		1.2-Dibromo		nane		1	<u></u>	TA

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.	
11D	
	•

CAS NO		COMPO	OLIND NAME	:		RT	F9	ST CON	C	O
Number TICs	s found:	0			ICENTRA or ug/Kg		JNITS: JG/L			
Soil Extract \	/olume:		(uL)		So	oil Aliqu	ot Volu	me:		(uL)
GC Column:	DB-VF	RX ID:	0.18 (mm)	Di	lution F	actor:	1.0		-
% Moisture:	not dec.		 		, Da	ate Ana	alyzed:	10/26/0	7	-
Level: (low/r	ned)	LOW			Da	ate Red	eived:	10/18/07	7	-
Sample wt/vo	ol:	25.0	(g/ml) <u>N</u>	IL	La	b File	ID:	V6126.)	-
Matrix: (soil/v	vater)	WATER			La	ıb Sam	ple ID:	104693	1 1.0	
Lab Code:	10145		Case No.: R7	7-40356	SAS N	o.:	S	DG No.:	DGC-3	S
Lab Name:	CAS/RC	CH		 	Contract:	IT-La	tham			

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHE	ΞΕ	-	I	E																-																	:					:						ċ	Ł						:	:	•	•			•	-	Ė	į	į	l	ł	-	ľ	١	,	ì	ì		٤	٤	•		ı	١	١	ŀ	ı	,	ľ	ľ	Ī		Ċ	١	Δ	ŀ	1))	_	ſ	ı			;	S	1		3	٤	1	Y	`		١	Þ	l	١	ì	١	Δ		ì	S	5	:	7	٢	1	ļ	ı	J	١	١	Į	١	١	ı	į		•	3	-		(t	2	₹	F	F
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M-991

Lab Name:	CAS/RC	CH		Contract: 11	-Latnam		
Lab Code:	10145	C:	ase No.: <u>R7-40356</u>	SAS No.:	SI	DG No.: DGC-	38
Matrix: (soil/v	vater)	WATER		Lab S	ample ID:	1046932 1.0	
Sample wt/vo		25.0	(g/ml) ML	Lab F	ile ID:	V6127.D	_
Level: (low/n		LOW		Date 1	Received:	10/18/07	
% Moisture:				Date /	Analyzed:	10/26/07	
GC Column:		RX ID: 0).18 (mm)	Dilutio	on Factor:	1.0	
Soil Extract \			(uL)	Soil A	Aliquot Volu	me:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L		Q
	Chloromethane		1	U
74-87-3	Vinyl Chloride		1	U
75-01-4	Bromomethane		1	U
74-83-9	Chloroethane		1	U
75-00-3	Trichlorofluoromethane		1	U
75-69-4	1,1-Dichloroethene		1	U
75-35-4			5	UID
67-64-1	Acetone Carbon Disulfide		1	U
75-15-0			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		5	UW
78-93-3	2-Butanone		1	U
74-97-5	Bromochloromethane		1	Ü
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	Ü
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			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	
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
100-30-7	Ethylbenzene		_1	U
1330-20-7	(m+p) Xylene		_1	U
1330-20-7	o-Xylene		_1	U
100-42-5	Styrene		1	U
	1,1,2,2-Tetrachloroethane		1	U
79-34-5	Bromoform		1	U
75-25-2	1,3-Dichlorobenzene		1	U
541-73-1	1,3-DICHIOTODETIZETIC			

VOLATILE ORGANICS ANALYSIS DATA SHEET

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₋ab Name:	CAS/RC	OCH			Contract:	IT-Latham	M-33	ı
			Ma .	D7 40050				
₋ab Cod e :	10145	Cas	se No.:	R7-40356	SAS No).: S	DG No.: DGC	J-38
Matrix: (soil/w	vat er)	WATER	-		Lal	b Sample ID:	1046932 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	b File ID:	V6127.D	
_evel: (low/n	ned)	LOW	_		Da	te Received:	10/18/07	
% Moisture: r	not dec.	*******************************			Da	te Analyzed:	10/26/07	
GC Column:	DB-VF	RX ID: 0.1	18 (m	m)	Dile	ution Factor:	1.0	-
Soil Extract V	/olume:		_ (uL)		So	il Aliquot Volu	ıme:	(uL
				COI	NCENTRAT	ION UNITS:		
CAS NO).	COMPO	DUND		L or ug/Kg)			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(IC
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1.2.3-Trichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS/RC	CH			Contract:	IT-Lath	am		M-33I	
Lab Code:	10145	C	ase No.:	R7-40356	SAS No	.:	SE	G No.:	DGC-3	S
Matrix: (soil/w	vater)	WATER			Lat	Sample	ID:	1046932	2 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	File ID:	•	V6127.D)	_
Level: (low/n	ned)	LOW	_		Da	te Recei	ved:	10/18/07	7	_
% Moisture: r	not dec.				Da	te Analyz	zed:	10/26/07	7	_
GC Column:	DB-VF	X ID: 0	.18 (n	nm)	Dili	ution Fac	tor:	1.0		
Soil Extract V	/olume:		(uL)		Soi	l Aliquot	Volun	ne:		(uL)
Number TICs	s found:	0			ICENTRAT _ or ug/Kg)					
CAS NO.		СОМРО	UND NA	ME		RT	ES	T. CON).	Q

Lab Name:

VOLATILE ORGANICS ANALYSIS DATA SHEFT

EPA SAMPLE NO.

VOLATILE ORGANICA	S ANALTOIS DATA	SHEET	M-33S
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)

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	Ū
75-69-4	Trichlorofluoromethane	1	Ū
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	Uú
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	Ŭ
156-59-2	cis-1,2-Dichloroethene	1	Ü
78-93-3	2-Butanone	5	Uί
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	Ü
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	Ū
75-27-4	Bromodichloromethane	1	Ü
10061-01-5	cis-1,3-Dichloropropene	1	Ü
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	Ü
10061-02-6	trans-1,3-Dichloropropene	1	Ü
79-00-5	1,1,2-Trichloroethane	1	Ü
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	Ū
124-48-1	Dibromochloromethane	1	Ŭ
106-93-4	1,2-Dibromoethane	1	Ū
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	Ü
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

1,2-Dibromo-3-chloropropane

95-50-1

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

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∟ab Nam e :	CAS/RO	JCH		Contract:	IT-Latham			
Lab Code:	10145	Ca	se No.: <u>R7-</u> 4	0356 SAS No.	.: s	DG No.: [OGC-35	3
Matrix: (soil/\	water)	WATER	_	Lab	Sample ID:	1046933	1.0	
Sample wt/v	ol:	25.0	(g/ml) ML	Lab	File ID:	V6128.D		
_evel: (low/r	med)	LOW		Dat	e Received:	10/18/07		
% Moisture:	not dec.			Dat	e Analyzed:	10/26/07		
GC Column:	DB-VF	<u>RX</u> ID: <u>0.</u>	18 (mm)	Dilu	ıtion Factor:	1.0		
Soil Extract \	√olume:		_ (uL)	Soil	l Aliquot Volu	ıme:		(uL)
				CONCENTRAT	ION UNITS:			
CAS NO	D .	COMP	DUND	(ug/L or ug/Kg)	UG/L		Q	
106-40	6-7	1 4-D	ichlorobenze	ne		1	11	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SA	MP	LE	N	Ο.

M-33S Contract: IT-Latham Lab Name: CAS/ROCH SAS No.: SDG No.: DGC-3S Case No.: R7-40356 Lab Code: 10145 Lab Sample ID: 1046933 1.0 WATER Matrix: (soil/water) Lab File ID: V6128.D 25.0 (g/ml) ML Sample wt/vol: Date Received: 10/18/07 LOW Level: (low/med) Date Analyzed: 10/26/07 % Moisture: not dec. GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/L Number TICs found: RT EST. CONC. Q **COMPOUND NAME** CAS NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-24D

Lab Name:	CAS/RC	CH			Contract:	IT-Latham	_	
Lab Code:	10145		Case No.:	R7-40356	SAS No	.: s	DG No.: DGC-3	<u>s_</u>
Matrix: (soil/w	/at er)	WATER	₹		Lat	Sample ID:	1046934 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V6129.D	
Level: (low/n	ned)	LOW			Dat	te Received:	10/18/07	
% Moisture: r	not dec.				Dat	te Analyzed:	10/26/07	
GC Column:	DB-VF	RX ID:	0.18 (n	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Volu	ıme:	(uL

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	111	U
67-64-1	Acetone	51	(بال ا8 لد
75-15-0	Carbon Disulfide	11	U
75-09-2	Methylene Chloride	1111	U
156-60-5	trans-1,2-Dichloroethene		U
75-34-3	1,1-Dichloroethane	1111	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	UW
74-97-5	Bromochloromethane	111	U
67-66-3	Chloroform	0.4	J
107-06-2	1,2-Dichloroethane	111	U
71-55-6	1,1,1-Trichloroethane	11	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	11111	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	111	U
106-93-4	1,2-Dibromoethane	111	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

.ab Name:	CAS/RO	ОСН		Contract: IT-Latha	am _	M-24D	
ab Code:	10145	Cas	se No.: R7-4035	6 SAS No.:	SDG	No.: DGC-	3S
Matrix: (soil/\	water)	WATER	-	Lab Sample	D: 10)46934 1. 0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File ID:	Ve	6129.D	
.evel: (low/r	ned)	LOW		Date Receiv	/ed: 10)/18/07	
% Moisture:	not dec.			Date Analyz	zed: 10)/26/07	
GC Column:	DB-VF	RX ID: 0.1	18 (mm)	Dilution Fac	tor: 1.0	0	
Soil Extract \	√olume:		_ (uL)	Soil Aliquot	Volume	:	(uL
			CO	NCENTRATION UNI	TS:		
CAS NO	Э.	COMPO	OUND (ug	/L or ug/Kg) <u>UG</u> /	/L	Q	!
400.4		445					

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 (15
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE	NO.

Lab Name:	CAS/RC	CH			Contract:	IT-Lath	am		
Lab Code:	10145	Ca	ase No.: R7-4	10356	SAS No	o.:	_ s	DG No.: DGC	-3S
Matrix: (soil/w	vater)	WATER	···		La	b Sample	ıD:	1046934 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML		La	b File ID:		V6129.D	
Level: (low/m	ned)	LOW			Da	ate Recei	ved:	10/18/07	
% Moisture: r	not dec.				Da	ate Analy	zed:	10/26/07	
GC Column:	DB-VF	RX ID: 0	.18 (mm)		Di	lution Fac	ctor:	1.0	
Soil Extract V	/olume:		(uL)		So	oil Aliquot	Volu	ıme:	(uL)
					NCENTRA				
Number TICs	s found:	0		(ug/l	L or ug/Kg) <u>UG</u>	i/L		
CAS NO		COMPO	UND NAME			RT	E	ST. CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/R	ЭСН			Contract:	IT-Latham	M-28	30
Lab Code:	10145		Case No.:	R7-40356	SAS No	.: S	_ DG No.: DG	C-3S
Matrix: (soil/v	vater)	WATER			Lat	Sample ID:	1046935 2.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V6130.D	
Level: (low/n	n ed)	LOW			Dat	te Received:	10/18/07	
% Moisture:	not dec.				Dat	te Analyzed:	10/26/07	
GC Column:	DB-VI	RX ID:	0.18 (n	nm)	Dilu	ution Factor: -	1.0 2.0	DL 11/13/8
Soil Extract V	/olume:		(uL)	÷	Soi	l Aliquot Volu	me:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	Ü
74-83-9	Bromomethane	2	Ü
75-00-3	Chloroethane	2	Ü
75-69-4	Trichlorofluoromethane	2	Ü
75-35-4	1,1-Dichloroethene	2	Ŭ
67-64-1	Acetone	10	บนว
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	Ū
156-60-5	trans-1,2-Dichloroethene	2	Ü
75-34-3	1,1-Dichloroethane	2	Ŭ
156-59-2	cis-1,2-Dichloroethene	2	Ŭ
78-93-3	2-Butanone	10	<u>Ū</u> W
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	Ü
10061-01-5	cis-1,3-Dichloropropene	2	Ü
108-10-1	4-Methyl-2-Pentanone	10	Ü
108-88-3	Toluene	2	Ü
10061-02-6	trans-1,3-Dichloropropene	2	Ü
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	Ü
1330-20-7	o-Xylene	2	
100-42-5	Styrene		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
071-70-1	1,3-DICHIOLODELIZEUE	2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	_		
Lab Code:	10145	с	ase No.: R7	-40356	SAS No	o.: S	SDG No.:	DGC-	3S
Matrix: (soil/	water)	WATER			Lal	b Sample ID:	1046935	5 2.0	******************************
Sample wt/v	ol:	25.0	_ (g/ml) <u>M</u>	<u>L</u>	Lal	b File ID:	V6130.E)	
Level: (low/	med)	LOW			Da	te Received:	10/18/07	7	_
% Moisture:	not dec.				Da	te Analyzed:	10/26/07	~~~~	,
GC Column:	DB-VI	RX ID: 0).18 (mm)	1	Dili	ution Factor:	4.0- 2.	. 0	DL 11/13/07
Soil Extract	Volume:	www.	(uL)		So	il Aliquot Volu	ıme:		(uL)
				CON	CENTRAT	TION UNITS:			
CAS N	0	COM	OUND	(ua/l	or ua/Ka)	HG/I		0	

CAS NO.	COMPOUND	(ug/L or ug/Ng)	UG/L		Q	
106-46-7	1,4-Dichlorober	nzene		2	U	
95-50-1	1,2-Dichlorober		2	U		
96-12-8	1,2-Dibromo-3-		2	UUJ		
120-82-1	1,2,4-Trichlorot	1,2,4-Trichlorobenzene				
87-68-3	Hexachlorobuta		2	U		
87-61-6	1,2,3-Trichlorot		2	U		

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAME	ĽΕ	NO
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Lab Name: (CAS/RO	СН			Contract:	IT-Latham	M-	29D	
Lab Code:	10145	C	ase No.:	R7-40356	SAS No	.: S	DG No.: [GC-3S	ı
Matrix: (soil/wa	ater)	WATER			Lal	Sample ID:	1046935 2	2.0	
Sample wt/vol	:	25.0	(g/ml)	ML	Lal	o File ID:	V6130.D		
Level: (low/me	ed)	LOW			Da	te Received:	10/18/07		
% Moisture: no	ot dec.				Da	te Analyzed:	10/26/07		
GC Column:	DB-VR	X ID: C	0.18 (m	ım)	Dile	ution Factor:	4.0- ⋧.0	- PL 114	13/07
Soil Extract Vo	olume:		(uL)		So	il Aliquot Volu	me:	(uL	
				CON	ICENTRAT	ION UNITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG/L			_
CAS NO		COMPO	NI IND NAI	ME		RT F	ST CONC	0	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D

Lab Name:	CAS/RC	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-40356	SAS No	.: 8	SDG No.: DGC-3	S
Matrix: (soil/v	vater)	WATER	₹		Lat	Sample ID:	1046936 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V6131.D	_
Level: (low/n	ned)	LOW			Dat	te Received:	10/18/07	<u>-</u>
% Moisture: ı	not dec.				Dat	te Analyzed:	10/26/07	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Volu	ume:	(uL

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	UNI
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	UUS
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	Ū
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	Ū
1330-20-7	(m+p) Xylene	1	Ü
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	<u> </u>	U
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

						••••	•	1	14D	- 1
_ab Name: _C	CAS/ROCH	<u> </u>		·····	Contract:	IT-Lat	tham	_	140	
_ab Code: 1	0145	Cas	e No.:	R7-40356	SAS No	o.:	s	DG No.:	DGC-3	<u>S</u>
Matrix: (soil/wa	iter) <u>W</u>	ATER			Lat	b Samp	ole ID:	1046936	3 1.0	
Sample wt/vol:	25	.0	(g/ml)	ML	Lat	b File II	D:	V6131.E)	
_evel: (low/me	ed) <u>LC</u>)W			Da	te Rec	eived:	10/18/07	7	
% Moisture: no	t dec.				Da	te Anal	yzed:	10/26/07	7	
GC Column:	DB-VRX	ID: <u>0.1</u>	8_ (m	nm)	Dilu	ution F	actor:	1.0		
Soil Extract Vol	lume:	· · · · · ·	_ (uL)		Soi	il Aliquo	ot Volu	me:		(uL)
				CO	NCENTRAT	10N U	NITS:			
CAS NO.		COMPO	UND	(ug/	L or ug/Kg)	<u> U</u>	G/L		Q	
106-46-7	7	1,4-Dic	chlorob	enzene		<u> </u>		1	U	\neg
95-50-1		1,2-Dic	chlorob	enzene				1	U	
96-12-8		 		3-chloropre	opane			1	UI	3
120-82-1				obenzene				1	 υ ν	

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOLINDS

	440	- 1				
Lab Name:	CAS/RO	ОСН		Contract: IT-Lathar	m 14D	
Lab Code:	10145	Ca	se No.: <u>R7-40356</u>	SAS No.:	SDG No.: DGC-3	S
Matrix: (soil/	water)	WATER		Lab Sample	D: 1046936 1.0	
Sample wt/v	ol:	25.0	(g/ml) ML	Lab File ID:	V6131.D	
Level: (low/	med)	LOW	_	Date Receive	ed: 10/18/07	
% Moisture:	not dec.			Date Analyze	ed: 10/26/07	
GC Column:	DB-VF	<u>RX</u> ID: <u>0.</u>	18 (mm)	Dilution Factor	or: 1.0	
Soil Extract	Volume:		_ (uL)	Soil Aliquot V	/olume:	(uL)
				ICENTRATION UNIT		
Number TIC	s found:	0	(ug/i	L or ug/Kg) UG/L		

COMPOUND NAME

RT

EST. CONC.

Q

CAS NO.

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-B

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	3W-B	
Lab Code: 10145		Case No.: R7-40356		SAS No	.: s	DG No.: DGC-38	S	
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	1046937 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V6132.D	-
Level: (low/n	ned)	LOW			Da	te Received:	10/18/07	
% Moisture: ı	not dec.				Dat	te Analyzed:	10/26/07	
GC Column:	DB-VF	RX_ID:	<u>0.18</u> (n	nm)	Dilu	ution Factor:	1.0	
Soil Extract \	/olume:		(uL)		Soi	l Aliquot Volu	me:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L		Q
74-87-3	Chloromethane	T	1	U
75-01-4	Vinyl Chloride		1	Ü
74-83-9	Bromomethane		1	Ü
75-00-3	Chloroethane		1	Ū
75-69-4	Trichlorofluoromethane		1	Ü
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	UUS
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	Ü
156-60-5	trans-1,2-Dichloroethene		1	Ū
75-34-3	1,1-Dichloroethane		1	Ū
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	UVS
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	Ŭ
56-23-5	Carbon Tetrachloride		1	Ū
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		0.4	J
78-87-5	1,2-Dichloropropane		1	Ū
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	Ū
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	Ū
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	Ü
124-48-1	Dibromochloromethane		1	Ū
106-93-4	1,2-Dibromoethane		1	Ū
108-90-7	Chlorobenzene		1	Ū
100-41-4	Ethylbenzene		1	Ū
1330-20-7	(m+p) Xylene		1	Ū
1330-20-7	o-Xylene		1	Ü
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane	-	1	Ü
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-B

Lab Name:	CAS/RO	OCH		Contract:	IT-Latham		
Lab Code:	10145	Ca	ese No.: <u>R7-40356</u>	SAS No	o.: S	DG No.: DGC-38	3
Matrix: (soil/\	water)	WATER		Lal	b Sample ID:	1046937 1.0	
Sample wt/ve	ol:	25.0	(g/mi) ML	Lal	b File ID:	V6132.D	
Level: (low/r	med)	LOW	_	Da	te Received:	10/18/07	
% Moisture:	not dec.			Da	te Analyzed:	10/26/07	
GC Column:	DB-VI	RX ID: 0	18 (mm)	Dile	ution Factor:	1.0	
Soil Extract \	Volume:		(uL)	So	il Aliquot Volu	me:	(uL
			201		TON UNITO.		

CAS NO.	COMPOUND (ug/L or ug/K	(g) <u>UG/L</u>	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	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	OCH			Contract:	IT-Lath	am		SM-B	
Lab Code:	10145	c	ase No.:	R7-40356	SAS No	o.:	SE	G No.:	DGC-3	s
Matrix: (soil/v	water)	WATER	and the same of th		La	b Sample	e ID:	1046937	1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	La	b File ID:	,	V6132.D		
Level: (low/n	ned)	LOW			Da	te Recei	ved:	10/18/07		
% Moisture: ı	not dec.		· · · · · · · · · · · · · · · · · · ·		Da	te Analy:	zed:	10/26/07		
GC Column:	DB-VF	RX ID: C).18 (m	m)	Dil	ution Fac	ctor:	1.0		
Soil Extract Volume:			(uL)		So	il Aliquot	Volun	ne:		(uL)
				CON	NCENTRAI	TION UN	ITS:			
Number TICs	found:	0		(ug/	L or ug/Kg)	UG	/L			
CAS NO.		СОМРО	UND NAM	1E		RT	ES1	r. CONC	•	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-G

Lab Name:	CAS/RC	CH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-40356	SAS No	.:	SDG No.: DGC-38	S
Matrix: (soil/w	vater)	WATE	R		Lat	Sample ID:	: 1046942 1.0	
Sample wt/vo	d:	25.0	(g/ml)	ML	Lat	File ID:	V6133.D	
Level: (low/m	ned)	LOW		•	Dat	te Received:	: 10/18/07	
% Moisture: r	not dec.		·		Dat	te Analyzed:	10/26/07	
GC Column:	DB-VF	X ID:	<u>0.18</u> (n	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)		Soi	l Aliquot Vol	ume:	(uL

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	UUS
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	UKS
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 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	Ü
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-G

Lab Name:	CAS/RC	CH			Contract: IT-Latham			
Lab Code:	10145		Case No.:	R7-40356	SAS No).:	SDG No.: DGC	D-3S
Matrix: (soil/v	vater)	WATE	R_		Lal	o Sample ID	: 1046942 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lai	o File ID:	V6133.D	
Level: (low/n	ned)	LOW			Da	te Received	: 10/18/07	
% Moisture:	not dec.				Da	te Analyzed:	: 10/26/07	
GC Column:	DB-VF	X ID:	<u>0.18</u> (n	nm)	Dile	ution Factor:	1.0	····
Soil Extract V	/olume:		(uL)		So	il Aliquot Vol	ume:	(uL)
				CON	CENTRAT	ION UNITS	•	

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO		•
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Lab Name:	CAS/RC	CH			Contract:	IT-Lath	am		3W-G	
Lab Code:	10145	Cas	se No.: F	R7-4035 6	SAS No	.:	s	DG No.:	DGC-3	s
Matrix: (soil/w	vater)	WATER	_		Lat	Sample	D:	1046942	2 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:		V6133.E)	_
Level: (low/n	ned)	LOW	_		Dat	te Recei	ved:	10/18/07	7	_
% Moisture: r	not dec.				Dat	te Analy:	zed:	10/26/07	7	_
GC Column:	DB-VF	<u>RX</u> ID: <u>0.1</u>	18 (mr	n)	Dik	ution Fac	ctor:	1.0		_
Soil Extract V	/olume:		_ (uL)	•	Soi	l Aliquot	Volu	me:		_ (uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	/L		···	
CAS NO.		СОМРО	IND NAM	E		RT	ES	ST. CON	C.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-F

Lab Name:	CAS/RC	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-40356	SAS No	o.: S	DG No.: DGC-3	S
Matrix: (soil/v	vater)	WATE	₹		Lal	b Sample ID:	1046943 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	b File ID:	V6139.D	-
Level: (low/n	ned)	LOW			Da	te Received:	10/18/07	
% Moisture: ı	not dec.				Da	te Analyzed:	10/27/07	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	nm)	Dile	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)		So	il Aliquot Volu	ıme:	(uL

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	UW
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	ひいろ
74-97-5	Bromochloromethane	1	J
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	Ū
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	Ū
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-F Contract: IT-Latham Lab Name: CAS/ROCH SAS No.: SDG No.: DGC-3S Case No.: R7-40356 Lab Code: 10145 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

GC Column: DB-VRX ID: 0.18 (mm)

Dilution Factor: 1.0

Date Analyzed: 10/27/07

Soil Extract Volume: ____ (uL)

% Moisture: not dec.

Soil Aliquot Volume: ____ (uL)

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

							•	l l		- 1
Lab Name:	CAS/RC	СН			Contract:	IT-l	atham		SW-F	
Lab Code:	10145	Ca	ase No.:	R7-40356	SAS No	o.:	S	DG No.:	DGC-3	S
Matrix: (soil/v	vater)	WATER			La	b Sai	mple ID:	1046943	3 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lal	b File	e ID:	V6139.E)	
Level: (low/n	ned)	LOW			Da	te Re	eceived:	10/18/07	7	
% Moisture: r	not dec.		<u> </u>		Da	te Ar	nalyzed:	10/27/07	7	
GC Column:	DB-VR	X ID: 0	<u>.18</u> (n	nm)	Dil	ution	Factor:	1.0		
Soil Extract V	olume:		(uL)		So	il Alic	quot Volu	me:		(uL)
				CON	ICENTRAT	ION	UNITS:			
Number TICs	found:	0		(ug/L	. or ug/Kg)		UG/L			
CAS NO.		СОМРО	UND NA	ME		RT	ES	ST. CONC) .	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EP#	SA	NΑ	PI :	F	NO
	۱u/	AIVI.		_ 1	V

SW-E

Lab Name:	CAS/RC	СН		Contract:	IT-Latham		
Lab Code:	10145	· 	Case No.: R7-40356	SAS No	.: s	SDG No.: DGC-3S	;
Matrix: (soil/w	va ter)	WATER	<u> </u>	Lat	Sample ID:	1046944 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	File ID:	V6140.D	
Level: (low/n	ned)	LOW		Da	te Received:	10/18/07	
% Moisture:	not dec.			Da	te Analyzed:	10/27/07	
GC Column:	DB-VF	RX ID:	0.18 (mm)	Dile	ution Factor:	1.0	
Soil Extract \	/olume:		(uL)	So	il Aliquot Vol	ume:	(uL)

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	5,8	du
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	UU
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	11	U
56-23-5	Carbon Tetrachloride	111	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	11	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1111	Ų
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	11	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	J
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	J
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	C
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

(uL)

SW-E Lab Name: CAS/ROCH Contract: IT-Latham Lab Code: 10145 SAS No.: SDG No.: DGC-3S Case No.: R7-40356 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)

CONCENTRATION UNITS:

Soil Aliquot Volume:

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA :	SAMP	LE NO
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								1 ,	3147 E	
Lab Name:	CAS/RC	CH			Contract:	IT-Lat	ham		SW-E	
Lab Code:	10145	C	ase No.:	R7-40356	SAS No).:	SE	OG No.:	DGC-3	S
Matrix: (soil/v	water)	WATER			Lal	b Samp	le ID:	1046944	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	b File IC) :	V6140.D		
Level: (low/n	ned)	LOW	valares.		Da	te Rece	eived:	10/18/07		
% Moisture:	not dec.				Da	te Anal	yzed:	10/27/07		
GC Column:	DB-VF	<u>X</u> ID: <u>0</u>	0.18 (m	ım)	Dil	ution Fa	actor:	1.0		
Soil Extract \	/olume:		(uL)		So	il Aliquo	t Volur	ne:		(uL)
					NCENTRAT L or ug/Kg)		NITS: G/L			
Number TICs	s found:	0			<u> </u>					
CAS NO.		СОМРО	DUND NAI	ME		RT	ES	T. CONC	•	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-D

Lab Name:	CAS/RC	OCH		Contract:	IT-Latham		
Lab Code:	10145		Case No.: R7-40356	SAS No	o.: S	SDG No.: DGC-3S)
Matrix: (soil/w	vat er)	WATER	2	La	b Sample ID:	1046947 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>	Lai	b File ID:	V6141.D	
Level: (low/n	ned)	LOW	-	Da	te Received:	10/18/07	
% Moisture: r	not dec.			Da	te Analyzed:	10/27/07	
GC Column:	DB-VF	RX_ID:	0.18 (mm)	Dil	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)	So	il Aliquot Volu	ıme:	(uL

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	Ū
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	UNJ
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	UUS
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 Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	Ū
1330-20-7	o-Xylene		1	Ū
100-42-5	Styrene		1	Ü
79-34-5	1,1,2,2-Tetrachloroethane		1	Ŭ
75-25-2	Bromoform		1	Ü
541-73-1	1,3-Dichlorobenzene		1	U

1,2-Dichlorobenzene

Hexachlorobutadiene

1,2,3-Trichlorobenzene

1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene

95-50-1

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAME	PLE NO
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SW-D

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Lab Name:	CAS/RO	CH			_ Contract:	IT-Lath	nam	_		
Lab Code:	10145	Ca	se No.:	R7-4035	6 SAS No	o.:	s	DG No.:	DGC-3	3
Matrix: (soil/v	vater)	WATER			La	b Sampl	e ID:	1046947	7 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	La	b File ID	:	V6141.E)	
Level: (low/n	ned)	LOW			Da	te Rece	ived:	10/18/07	7	
% Moisture:	not dec.		, 		Da	ite Analy	zed:	10/27/07	7	
GC Column:	DB-VF	X ID: 0.	<u>18</u> (n	nm)	Dil	ution Fa	ctor:	1.0		
Soil Extract \	/olume:		(uL)		So	il Aliquo	t Volu	me:		(uL)
				CC	NCENTRA	TION UN	NITS:	-		
CAS NO). [']	COMP	OUND	. (นรู	g/L or ug/Kg)	U	3/L		Q	
106-46	6-7	1,4-0	ichlorob	enzene				1	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E NO.
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Lab Name:	CAS/RC		(TIVEET IDENT	Contrac	ct:	IT-l	_atham	S	SW-D	
Lab Code:	10145		Case No.: R7-4	0356 SAS	No	 o.:	S	DG No.:	DGC-3	S
Matrix: (soil/	water)	WATER	<u>.</u>		La	b Sa	mple ID:	1046947	1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	····	La	b File	e ID:	V6141.D		-
Level: (low/r	med)	LOW			Da	te R	eceived:	10/18/07		_
% Moisture:	not dec.				Da	te A	n alyzed :	10/27/07	·	_
GC Column:	DB-VF	RX ID:	0.18 (mm)		Dil	ution	Factor:	1.0		-
Soil Extract \	Volume:		(uL)		So	il Ali	quot Volu	ıme:		(uL
Number TIC	s found:	0		CONCENTI (ug/L or ug/			UNITS:			
CAS NO.		COMP	OUND NAME			R'	г Е	ST. CONC) .	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-A

Lab Name:	CAS/RC	CH		· · · · · · · · · · · · · · · · · · ·	Contract:	IT-Latham	_	
Lab Code:	10145		Case No.:	R7-40356	SAS No	o.: S	SDG No.: DGC-3S	3
Matrix: (soil/v	vater)	WATE	R		La	b Sample ID:	1046949 1.0	
Sample wt/vo	oi:	25.0	(g/ml)	ML	La	b File ID:	V6142.D	
Level: (low/n	ned)	LOW			Da	te Received:	10/18/07	
% Moisture: ı	not dec.				Da	te Analyzed:	10/27/07	
GC Column:	DB-VF	X ID:	<u>0.18</u> (n	nm)	Dil	ution Factor:	1.0	
Soil Extract \	/olume:		(uL)		So	il Aliquot Vol	ume:	(uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	IJ
75-01-4	Vinyl Chloride	1	C
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	J
67-64-1	Acetone Acetone	52	SWS
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 KS
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	111	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	1111	U
79-00-5	1,1,2-Trichloroethane	111	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	11	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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								1 :	SW-A	- 1
Lab Name:	CAS/RO	CH			Contract:	IT-Latha	am			
Lab Code:	10145	Cas	e No.: R	7-40356	SAS No	o.:	SD	G No.:	DGC-3	S
Matrix: (soil/w	ater)	WATER			La	b Sample	ID: 1	046949	1.0	
Sample wt/vol	:	25.0	(g/ml) <u>N</u>	IL	La	b File ID:	V	/6142.D)	
Level: (low/m	ed)	LOW			Da	ate Receiv	ed: 1	0/18/07	,	
% Moisture: n	ot dec.				Da	ate Analyz	ed: 1	0/27/07	,	
GC Column:	DB-VR	X ID: 0.1	8 (mm)	Dil	ution Fac	tor: 1	.0		
Soil Extract Vo	olume: _		_ (uL)		So	il Aliquot	Volum	e:		(uL)
				CON	CENTRA ^T	TION UNI	TS:			
CAS NO.		COMPO	UND	(ug/L	or ug/Kg)	UG/	L		Q	
106-46-	7	1,4-Dic	chloroben	zene				1	U	
95-50-1			chlorobena					1	U	
96-12-8			romo 3 c		2000				111	-

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

									CIA/ A	
Lab Name:	CAS/RC	СН		· · · · · · · · · · · · · · · · · · ·	Contract:	IT-Latha	am		SW-A 	
Lab Code:	10145		Case No.:	R7-40356	SAS No		S	DG No.:	DGC-3	3S
Matrix: (soil/v	vater)	WATE	R		Lat	Sample	ID:	1046949	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:		V6142.D)	
Level: (low/n	ned)	LOW			Dat	te Receiv	/ed:	10/18/07	,	_
% Moisture:	not dec.				Dat	te Analyz	ed:	10/27/07	,	_
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ution Fac	tor:	1.0		_
Soil Extract \	/olume:		(uL)		Soi	l Aliquot	Volu	me:		(uL)
Number TICs	s found:	0	<i>:</i>		ICENTRAT . or ug/Kg)					
CAS NO.		COMF	POUND NAI	ME		RT	ES	T. CONC	 >.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS/RC	CH			Contract:	IT-Latham	_ L	
Lab Code:	10145		Case No.:	R7-40356	SAS No	.: s	SDG No.: DGC-	3S
Matrix: (soil/w	vat er)	WATER	₹		Lat	Sample ID:	1046950 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V6164.D	_
Level: (low/m	ned)	LOW			Dat	e Received:	10/18/07	
% Moisture: r	not dec.				Dat	e Analyzed:	10/27/07	_
GC Column:	DB-VF	XX_ID:	<u>0.18</u> (n	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)		Soi	l Aliquot Volu	ıme:	(uL

		CONCENTRATIO	ON 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	Trichlorofluoron	nethane		1	U
75-35-4	1,1-Dichloroeth	ene		1	U
67-64-1	Acetone			3	J.[
75-15-0	Carbon Disulfid	е		1	Ū
75-09-2	Methylene Chlo	ride		1	U
156-60-5	trans-1,2-Dichlo	roethene		1	U
75-34-3	1,1-Dichloroeth	ane		1	C
156-59-2	cis-1,2-Dichloro	ethene		1	U
78-93-3	2-Butanone			5	บนว
74-97-5	Bromochlorome	thane		1	U
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroeth	ane		1	U
71-55-6	1,1,1-Trichloroe	thane		1	Ū
56-23-5	Carbon Tetrach	loride		1	U
71-43-2	Benzene			1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloropro			1	U
75-27-4	Bromodichloron			1	U
10061-01-5	cis-1,3-Dichloro			1	U
108-10-1	4-Methyl-2-Pen			5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichlo	ropropene		1	U
79-00-5	1,1,2-Trichloroe			1	U
127-18-4	Tetrachloroethe			1	U
591-78-6	2-Hexanone			5	Ū
124-48-1	Dibromochloron	nethane		1	Ū
106-93-4	1,2-Dibromoeth			1	Ū
108-90-7	Chlorobenzene			1	Ŭ
100-41-4	Ethylbenzene			1	Ū
1330-20-7	(m+p) Xylene			1	Ü
1330-20-7	o-Xylene			<u>i</u>	Ü
100-42-5	Styrene			1	Ü
79-34-5	1,1,2,2-Tetrachl	oroethane		1	U
7 9-34-3 75-25-2	Bromoform	oi osti idi ie		1	U
541-73-1	1,3-Dichloroben	7ene		1	Ü
341-73-1	i,3-Dictiloroberi	<u> </u>		<u> </u>	<u> </u>

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

1

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U

Lab Nam e :	CAS/RO	OCH		(Contract:	IT-	_atham	_ L			
Lab Code:	10145	Cas	se No.: <u>R7</u> -	-40356	SAS N	o.:	s	DG No.	: <u>D</u> G	3C-3S	<u>; </u>
Matrix: (soil/\	water)	WATER	_		La	b Sa	mple ID:	10469	50 1.0	0	
Sample wt/ve	ol:	25.0	(g/ml) ML		La	b File	e ID:	V6164	.D		
Level: (low/r	med)	LOW	_		Da	ate R	eceived:	10/18/	07		
% Moisture:	not dec.				Da	ate A	nalyzed:	10/27/	07		
GC Column:	DB-VF	RX ID: 0.1	18 (mm)		Di	lutior	Factor:	1.0			
Soil Extract \	Volume:		(uL)		So	oil Alic	quot Volu	me:			(uL)
				CON	CENTRA	TION	UNITS:				
CAS NO	D .	COMP	OUND	(ug/L	or ug/Kg)	UG/L			Q	
106-4	6-7	1,4-D	ichlorobenz	ene				1		U	
95-50		1,2-D	ichlorobenz	ene				1		U	
96-12	_A	1 2-D	ibromo-3-ct	aloroproi	nane			1		Uu	ХÍ

1,2,4-Trichlorobenzene

Hexachlorobutadiene 1,2,3-Trichlorobenzene

120-82-1 87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE	NO.

COOLER BLK Contract: IT-Latham Lab Name: CAS/ROCH Case No.: R7-40356 SAS No.: SDG No.: DGC-3S Lab Code: 10145 Lab Sample ID: 1046950 1.0 WATER Matrix: (soil/water) Lab File ID: V6164.D 25.0 (g/ml) ML Sample wt/vol: Date Received: 10/18/07 LOW Level: (low/med) Date Analyzed: 10/27/07 % Moisture: not dec. GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/L Number TICs found: COMPOUND NAME RT EST. CONC. Q

CAS NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RO	СН		······	Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-40356	SAS No	.: 8	SDG No.:	DGC-3S
Matrix: (soil/w	ater)	WATER	₹		Lat	Sample ID:	1047009	1.0
Sample wt/vo	l:	25.0	(g/ml)	ML	Lat	File ID:	V6143.D	
Level: (low/m	ned)	LOW			Dat	e Received:	10/18/07	
% Moisture: r	ot dec.				Dat	e Analyzed:	10/27/07	
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	ım)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)		Soi	l Aliquot Vol	ume:	(uL

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
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	UW
74-97-5	Bromochloromethane		1	Ü
67-66-3	Chloroform	·	1	C
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	Ų
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	Ç
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	C
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 Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	Ū
79-34-5	1,1,2,2-Tetrachloroethane		1	Ū
75-25-2	Bromoform		1	Ü
541-73-1	1,3-Dichlorobenzene		1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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			1 1 1 1 1 1	DEVI111	
Lab Name: CAS/R	OCH	Contract: IT-Latham	_		
Lab Code: 10145	Case No.: R7-40356	SAS No.: S	DG 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-\	/RX ID: 0.18 (mm)	Dilution Factor:	1.0		
Soil Extract Volume:	(uL)	Soil Aliquot Volu	ıme:	(u	ıL)
	CON	NCENTRATION 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	i I
96-12-8	1,2-Dibromo-3-chloropro	opane	1	UUJ	f
120-82-1	1,2,4-Trichlorobenzene		1	U	
87-68-3	Hexachlorobutadiene		11	U	

1,2,3-Trichlorobenzene

87-61-6

1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Contract: IT-Latham Lab Name: CAS/ROCH SAS No.: SDG No.: DGC-3S Case No.: R7-40356 Lab Code: 10145 Lab Sample ID: 1047009 1.0 Matrix: (soil/water) WATER Lab File ID: V6143.D 25.0 (g/ml) ML Sample wt/vol: Date Received: 10/18/07 Level: (low/med) LOW Date Analyzed: 10/27/07 % Moisture: not dec. Dilution Factor: 1.0 GC Column: DB-VRX ID: 0.18 (mm) Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/L Number TICs found: RT EST. CONC. Q CAS NO. COMPOUND NAME

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RC	CH		Contract: IT-Latham	
Lab Code:	10145		Case No.: R7-40356	SAS No.: S	DG No.: DGC-3S
Matrix: (soil/v	water)	WATE	R	Lab Sample ID:	1047010 1.0
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File ID:	V6144.D
Level: (low/r	ned)	LOW	-	Date Received:	10/18/07
% Moisture:	not dec.			Date Analyzed:	10/27/07
GC Column:	DB-VF	RX ID:	<u>0.18</u> (mm)	Dilution Factor:	1.0
Soil Extract \	/olume:		(uL)	Soil Aliquot Volu	ıme: (ul

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	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	1111	U
78-93-3	2-Butanone	5	WJ
74-97-5	Bromochloromethane	11	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	11	U
71-55-6	1,1,1-Trichloroethane	111	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	11	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	111	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	Ū
541-73-1	1,3-Dichlorobenzene	1	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RC	CH		Contract:	IT-Latham	_		
Lab Code:	10145	Ca	se No.: <u>R7-</u>	40356 SAS N	o.: S	DG No.: [OGC-3S	;
Matrix: (soil/	water)	WATER	_	La	ab Sample ID:	1047010	1.0	
Sample wt/v	ol:	25.0	(g/ml) ML	La	ab File ID:	V6144.D		
Level: (low/r	med)	LOW		D	ate Received:	10/18/07		
% Moisture:	not dec.			D	ate Analyzed:	10/27/07		
GC Column:	DB-VF	<u>RX</u> ID: <u>0.</u>	18 (mm)	D	ilution Factor:	1.0		
Soil Extract \	Volume:		_ (uL)	Se	oil Aliquot Volu	me:		(uL)
				CONCENTRA	TION UNITS:			
CAS NO	D .	COMP	OUND	(ug/L or ug/Kg) UG/L		Q	

CAS NO.	COMPOUND	(ug/L or ug/Ng)	UG/L		u
106-46-7	1,4-Dichlorober	zene		1	U
95-50-1	1,2-Dichlorober	zene		1	U
96-12-8	1,2-Dibromo-3-	chloropropane		1	UV
120-82-1	1,2,4-Trichlorob	enzene		1	ָ כ
87-68-3	Hexachlorobuta	diene		1	כ
87-61-6	1,2,3-Trichlorob	enzene		1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO	١.
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				iii ieb comi ci	J. 100			
Lab Name:	CAS/RO	СН		Contract:	IT-La	tham	TRIP BL	ANK
Lab Code:	10145	c	Case No.: <u>R7-</u> 4	10356 SAS No	o.:	SI	DG No.: DG	C-3S
Matrix: (soil/v	vat er)	WATER		La	b Sam	ple ID:	1047010 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	La	b File I	D:	V6144.D	
Level: (low/n	ned)	LOW		Da	ite Rec	eived:	10/18/07	
% Moisture: r	n ot dec.			Da	ite Ana	lyzed:	10/27/07	
GC Column:	DB-VR	X ID:	0.18 (mm)	Dil	ution F	actor:	1.0	
Soil Extract V	/olume: _		(uL)	So	il Aliqu	ot Volui	me:	(uL)
				CONCENTRAT	TION L	INITS:		
Number TiCs	found:	0		(ug/L or ug/Kg)		IG/L		
CAS NO.		СОМРС	OUND NAME		RT	ES	T. 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	SMC1	TOT
	SAMPLE NO.	#	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

D System Monitoring Compound diluted out

^{*} Values outside of contract required QC limits

METALS COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

act:	R2740356	JVERTAGE - HVORV			SDG No.:	DGC-3S
lode:		Case No.:			SAS No.:	
No.: <u>CI</u>	LP ILM5.3	Client:	Shaw Env	ironmental		
	Sample	No.		Lab Sample ID.		
	M-27D			1046927		
	M-27DD			1046927D		
	M-27DS			1046927S		
•	13D			1046928		
	DUPE			1046929 1046937		
	SW-B			1040937		

e ICP	interelement o	corrections applie	ed?		Yes/No	YES
·a TCP	background coa	rrections applied?	•		Yes/No	YES
		ata generated before			T4	
app	lication of ba	ckground correction	ons?		Yes/No	МО
ments	s: See Attached	d Case Narrative				
			. —			
						· · · · · · · · · · · · · · · · · · ·
	. that this da	ta package is in o	compliance	with the terms	and condition	s of the
ertii	y unat chis da both technic	ally and for compl	leteness,	for other than	the conditions	detailed
TUPACU	Release of the	data contained in	n this har	dcopy data packa	age and in the	
mouter	-readable data	submitted on disl	kette has	been authorized	by the Labora	tory Manager or
e Mana	ger's designee	, as verified by	the follow	ing signature.		
	•					
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INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.
13D	

ract: R2740356

Case No.:

SAS No.:

SDG NO.: DGC-3S

:ix (soil/water):

Lab Sample ID: 1046928

WATER

:1 (low/med):

Code:

LOW

Date Received: 10/18/07

Concentration Units (ug/L or mg/kg dry weight): μ G/L

CAS No.	Analyte	Concentration		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:

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):

Date Received: 10/18/07

FOM

Concentration Units (ug/L or mg/kg dry weight): μ G/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-	Chromium	4.9	В		P

olor Before: YELLOW

Clarity Before: CLEAR

Texture:

olor After: YELLOW

Clarity After:

CLEAR

Artifacts:

omments:

-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):

FOM

Date Received: 10/18/07

Concentration Units (ug/L or mg/kg dry weight): μ G/L

	CAS No.	Analyte	Concentration	С	Q	M
ı	7440-47-3	Chromium	1.9	ซ		P

lor Before: YELLOW

Clarity Before:

CLEAR

Texture:

or After: YELLOW

Clarity After:

CLEAR

Artifacts:

mments:

-1-

INORGANIC ANALYSIS DATA SHEET

	SAMPLE	NO.	
į	SW-B	-	

act: R2740356

de:

Case No.:

SAS No.:

SDG NO.: DGC-3S

c (soil/water): WATER

Lab Sample ID: 1046937

(low/med):

FOM

Date Received: 10/18/07

Concentration Units (ug/L or mg/kg dry weight): μ G/L

CAS No.	Analyte	Concentration	С	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:

OLUMBIA ANALYTICAL SERVICES

Reported: 11/14/07

aw Environmental

oject Reference: GE-MRFA PROJECT #810066 ient Sample ID : M-27D

Order #: 1046927

te Sampled : 10/17/07 13:38 te Received: 10/18/07 Submission #: R2740356 Sample Matrix: WATER

NALYTE	METHOD	PQL	RESULT	UNITS	D ATE TIME ANALYZED 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

w Environmental

pject Reference: GE-MRFA PROJECT #810066

ient Sample ID: 13D

ce Sampled : 10/17/07 13:05
ce Received: 10/18/07

Order #: 1046928

Sample Matrix: WATER

Submission #: R2740356

JALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
KAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/18/07	10:46	1.0

OLUMBIA ANALYTICAL SERVICES

Reported: 11/14/07

w Environmental

pject Reference: GE-MRFA PROJECT #810066

ient Sample ID : DUPE

Sample Matrix: WATER te Sampled : 10/17/07 te Received: 10/18/07 Order #: 1046929

Submission #: R2740356

VALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED D	ILUTION
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 ate Received: 10/18/07 Submission #: R2740356

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED DILUT	ON
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

Matrix Spike - EPA Sample No LCS01

	SPIKE	SAMPLE	. MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/ L)	REC#	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:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMP	LE NO
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	VOLATI		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			LCS01
Lab Name:	CAS/ROCH			Contract:	IT-Latham	
		_	N D7 400E6	CACNIC	. er	OG No · DGC-3S

% 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 (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	2	<u>JB</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	ļ
79-01-6	Trichloroethene	5	ļ
78-87-5	1,2-Dichloropropane	5	ļ
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	<u> </u>
79-00-5	1,1,2-Trichloroethane	5	<u> </u>
127-18-4	Tetrachloroethene	5	ļ
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

_ab Name:	CAS/RO	OCH		Contract: IT-Lat	ham	
Lab Code:	10145	Ca	se No.: R7-4035	6 SAS No.:	SDG No.: DGC-	3S
Matrix: (soil/v	water)	WATER		Lab Samp	le ID: 1054359 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File IC	D: <u>V6116.D</u>	
Level: (low/r	med)	LOW		Date Rece	eived:	
% Moisture:	not dec.			Date Anal	yzed: 10/26/07	_
GC Column:	DB-VI	RX ID: 0.	18_ (mm)	Dilution Fa	actor: 1.0	_
Soil Extract \	/olume:		(uL)	Soil Alique	ot Volume:	_ (uL)

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

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Matrix Spike - EPA Sample No LCS02

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/ L)	REC#	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO
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LCS02

Lab Name:	CAS/RC	OCH		Contract: IT-La	tham	
Lab Code:	10145	Ca	se No.: <u>R7-40356</u>	SAS No.:	SDG No.: DGC-35	3
Matrix: (soil/v	water)	WATER	-	Lab Sam	ple ID: 1054505 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File	D: <u>V6138.D</u>	
Level: (low/r	ned)	LOW	-	Date Red	ceived:	
% Moisture:	not dec.			Date Ana	alyzed: 10/27/07	
GC Column:	DB-V	RX ID: 0.	18 (mm)	Dilution F	Factor: 1.0	
Soil Extract \	/olume:		(uL)	Soil Aliqu	uot Volume:	(uL)

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	Trichlorofluorom	nethane		5	
75-35-4	1,1-Dichloroethe	ene		5	
67-64-1	Acetone Acetone			2	J
75-15-0	Carbon Disulfide	9		11	U
75-09-2	Methylene Chlo	ride		5	
156-60-5	trans-1,2-Dichlo	roethene		4	
75-34-3	1,1-Dichloroetha	ane		4	
156-59-2	cis-1,2-Dichloro	ethene		5	
78-93-3	2-Butanone			5	U_
74-97-5	Bromochlorome	thane		5	
67-66-3	Chloroform			5	
107-06-2	1,2-Dichloroetha	ane		5	
71-55-6	1,1,1-Trichloroe	thane		5	
56-23-5	Carbon Tetrach	loride		4	
71-43-2	Benzene			5	
79-01-6	Trichloroethene			5	
78-87 - 5	1,2-Dichloropro	pane		5	
75-27-4	Bromodichloron	nethane		5	
10061-01-5	cis-1,3-Dichloro	propene		4	
108-10-1	4-Methyl-2-Pen	tanone		5	U
108-88-3	Toluene			5	
10061-02-6	trans-1,3-Dichlo	ropropene		4	
79-00-5	1,1,2-Trichloroe			5	
127-18-4	Tetrachloroethe	ne		5	
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochloron	nethane		5	
106-93-4	1,2-Dibromoeth	ane		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-Tetrachl	oroethane		4	
75-25-2	Bromoform	J. J. W. 101.14		5	
541-73-1	1,3-Dichloroben	zene		4	.,

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA:	SA	MP	LE	NO
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LCS02

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								1			- 1
Lab Name:	CAS/RO	CH		(Contract:	11-	Latham	_			
Lab Code:	10145	Cas	se No.: <u>R7-</u>	40356	SAS N	o.:	S	DG N	o.: <u>D</u>	GC-35	<u></u>
Matrix: (soil/	water)	WATER	_		La	ab Sa	mple ID:	1054	505 1	.0	
Sample wt/ve		25.0	(g/ml) ML		La	ab Fil	e ID:	V613	8.D		
Level: (low/r		LOW			Da	ate R	eceived:				
% Moisture:	•		-		Da	ate A	nalyzed:	10/2	7/07		
GC Column:		X ID: 0.1	18 (mm)		Di	ilutior	n Factor:	1.0			
Soil Extract					S	oil Ali	quot Volu	ıme:			(uL)
				CON	CENTRA	OIT	NUNITS:				
CAS N	0.	COMP	OUND	(ug/L	or ug/Kg	1)	UG/L			Q	
106-4	6-7	1,4-D	ichlorobenz	ene					5		
95-50			ichlorobenz				_		4		\dashv

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Matrix Spike - EPA Sample No LCS03

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(u g/L)	REC#	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:

VOLATILE ORGANICS ANALYSIS DATA SHEET

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LCS03

Lab Name:	CAS/RO	CH	****		Contract:	IT-Latham	_	
Lab Code:	10145		Case No.:	R7-40356	SAS No	.: SI	DG No.: DGC-3	S
Matrix: (soil/w	ater)	WATE	R		Lat	Sample ID:	1054507 1.0	
Sample wt/vo	l:	25.0	(g/ml)	ML	Lab	File ID:	V6159.D	
Level: (low/m	ned)	LOW			Dat	te Received:		
% Moisture: n	not dec.				Dat	te Analyzed:	10/27/07	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		(uL)		Soi	l Aliquot Volu	me:	(uL

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	0.8	J
75-15-0	Carbon Disulfide	1	C
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMP	LE NO
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					_		199-1		'	LC303	
Lab Name: C	AS/ROCH				_ Con	tract:	11 <i>-</i> L	atham	_		
Lab Code: 1	0145	Case	e No.:	R7-403	56 S	AS No	o.:	S	DG No.:	DGC-35	3
Matrix: (soil/wa	iter) WA	TER				Lal	b Sar	nple ID:	1054507	7 1.0	
Sample wt/vol:	25.0	0	(g/ml)	ML		Lal	b File	ID:	V6159.E)	
Level: (low/me						Da	ite Re	eceived:			
% Moisture: no						Da	ite Ar	alyzed:	10/27/0	7	
GC Column:		ID: 0.1	 B (m	ım)		Dil	ution	Factor:	1.0		
Soil Extract Vo						So	oil Alic	juot Volu	ıme:		(uL)
				С	ONCE	NTRAT	TION	UNITS:			
CAS NO.		COMPO	UND	(ι	ıg/L or	ug/Kg))	UG/L		Q	
106-46-	7	1.4-Did	chlorob	enzene	······································				5		
95-50-1	•			enzene					5		
96-12-8		1,2-Dil	oromo-	3-chlore	propar	ne			5		
120-82-		1,2,4-7	Frichlor	obenze	ne				5_		
87-68-3		Hexac	hiorobu	utadiene	}				5		_
87-61-6		1,2,3-	<u> Frichlor</u>	obenze	ne			1	5		

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Matrix Spike - EPA Sample No M-27D

	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %	QC LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QC LIMITS	
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	RPD	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

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMS

Lab Name:	CAS/RC	CH		Contract:	IT-Latham		١
Lab Code:	10145	(Case No.: R7-40356	SAS No	o.: S	DG No.: DGC-3S	_
Matrix: (soil/v	vater)	WATER		La	b Sample ID:	1054360 1.0	_
Sample wt/vo		25.0	(g/ml) ML	La	b File ID:	V6121.D	
Level: (low/r		LOW		Da	ate Received:	10/18/07	
% Moisture:				Da	ate Analyzed:	10/26/07	
GC Column:		RX ID:	0.18 (mm)	Di	lution Factor:	1.0	
Soil Extract			(uL)	So	oil Aliquot Volu	ıme: ((uL)

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	<u> </u>
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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

			I M-27DMS	
Lab Name: CAS	S/ROCH	Contract: IT-Latham	2.011.0	
Lab Code: 101	45 Case No.: R7-403	56 SAS No.: SD	G No.: DGC-3S	3
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 de	ec	Date Analyzed:	10/26/07	
GC Column: DE	B-VRX ID: 0.18 (mm)	Dilution Factor:	1.0	
Soil Extract Volum	e: (uL)	Soil Aliquot Volum	ne:	(uL)
	С	ONCENTRATION UNITS:		
CAS NO.	COMPOUND (u	g/L or ug/Kg) UG/L	Q	
106-46-7	1,4-Dichlorobenzene		5	\neg
95-50-1	1,2-Dichlorobenzene		5	7
96-12-8	1,2-Dibromo-3-chloro	propane	5	\neg
120-82-1	1.2.4-Trichlorobenzer		5	ヿ

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMSD

Lab Name:	CAS/RC	CH			Contract:	IT-Latham	1VI-27 D1VIS	U
Lab Code:	10145		Case No.:	R7-40356	SAS No	.: St	DG No.: DGC-3	 3S
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	1054361 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V6122.D	
Level: (low/n	ned)	LOW			Dat	te Received:	10/18/07	•
% Moistu re : r	not dec.				Dat	te Analyzed:	10/26/07	-
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ution Factor:	1.0	•
Soil Extract V	olume:		(uL)		Soi	l Aliquot Volur	me:	uL.

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	4	T
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	Ŭ
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	1
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	6	<u> </u>
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	1
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 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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMSD

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Lab Name:	CAS/RC	CH			(Contrac	ct:	IT-L	etham	_				
Lab Code:	10145	Cas	e No.:	R7-40	356	SAS	No.	.:	S	DG N	o.: [OGC-	3S	
Matrix: (soil/v	vater)	WATER					Lab	San	ple ID:	1054	361	1.0		_
Sample wt/vo	ol:	25.0	(g/ml)	ML			Lab	File	ID:	V612	22.D			
Level: (low/r	ned)	LOW					Dat	e Re	ceived:	10/1	8/07			
% Moisture:							Dat	te An	alyzed:	10/2	6/07	·····		
GC Column:	DB-VF	RX ID: 0.1	18 (r	nm)			Dilu	ution	Factor:	1.0				
Soil Extract Volume:			_ (uL)				Soi	l Aliq	uot Volu	ume:			_ (uL)
				(CON	CENTI	RAT	ION	UNITS:					
CAS NO) .	COMPO	DUND	(ug/L	or ug/	Kg)		UG/L			C)	
106-4	6-7	1,4-D	ichlorol	enzene	9						5]
95-50		1,2-D	ichlorol	enzene	Э						5]

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Matrix Spike - EPA Sample No SW-D

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QC I	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	RPD	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

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-DMS

Lab Name:	CAS/RO	OCH		344-01419			
Lab Code:	10145		Case No.: R7-40356	SAS No.:	SD	SDG No.: DGC-38	
Matrix: (soil/\	water)	WATER		Lab San	iple ID:	1054508 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File	ID:	V6162.D	
Level: (low/r	med)	LOW		Date Re	ceived: _	10/18/07	
% Moisture:	not dec.	· · · · · · · · · · · · · · · · · · ·	-	Date An	alyzed: _	10/27/07	
GC Column:	DB-VF	RX ID:	0.18 (mm)	Dilution	Factor: _	1.0	
Soil Extract \	Volume:		(uL)	Soil Aliqu	uot Volum	ne:	(uL)

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	
78-8 7- 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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

								1 2	M-DM2	
Lab Name:	CAS/RC	OCH			Contract:	IT-La	tham			
Lab Code:	10145	Cas	e No.:	R7-40356	SAS No	o.:	SE	OG No.:	DGC-3	S
Matrix: (soil/\	water)	WATER	_		La	b Samp	ole ID:	1054508	3 1.0	
Sample wt/v	ol:	25.0	(g/ml)	ML	La	b File II	D:	V6162.)	
Level: (low/r	ned)	LOW			Da	ite Rec	eived:	10/18/07	7	
% Moisture:	not dec.		•		Da	ite Ana	yzed:	10/27/07	7	
GC Column:	DB-VF	RX ID: 0.1	8 (n	nm)	Dil	ution F	actor:	1.0		
Soil Extract \	Volume:		_ (uL)		So	il Aliqu	ot Volur	ne:		(uL)
				СО	NCENTRAT	TION U	NITS:			
CAS NO	O.	COMPO	DUND	(ug	/L or ug/Kg)	<u>U</u>	G/L		Q	
106-4	6-7	1,4-Di	chlorob	enzene				5		
95-50	-1			enzene	·········			5		
96-12	-8	1,2-Di	bromo-	3-chloropr	opane			5		
120-8	2-1			obenzene				5		
87-68	-3	Hexad	hlorobu	utadiene				5		

1,2,3-Trichlorobenzene

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-DMSD

Lab Name:	CAS/RO	OCH		Contract: IT-Latha	am		
Lab Code:	10145	(Case No.: <u>R7-40</u> 3	356 SAS No.:	_ SDC	G No.: <u>DGC-3</u>	S
Matrix: (soil/v	vater)	WATER		Lab Sample	ID: 10	054509 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>	Lab File ID:	V	/6163.D	
Level: (low/n	ned)	LOW		Date Receiv	/ed: <u>1</u>	0/18/07	
% Moisture:	not dec.			Date Analyz	ed: 10	0/27/07	_
GC Column:	DB-VI	RX_ID:	0.18 (mm)	Dilution Fac	tor: <u>1</u> .	.0	
Soil Extract \	/olume:		(uL)	Soil Aliquot	Volume	e:	(uL)

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	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N	10.
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SW-DMSD

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Lab Name:	CAS/RO	СН			Contract:	IT-Latham			
Lab Code:	10145	Cas	se No.: [R7-40356	SAS No).;	SDG No.:	DGC-3	S
Matrix: (soil/v	vater)	WATER			Lal	o Sample ID	: 105450	9 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	File ID:	V6163.	D	
Level: (low/n	ned)	LOW			Da	te Received	: 10/18/0	7	
% Moisture: r	not dec.				Da	te Analyzed:	: 10/27/0	7	
GC Column:	DB-VR	X ID: 0.1	8 (mı	m)	Dile	ution Factor:	1.0		
Soil Extract V	/olume:		_ (uL)		Soi	il Aliquot Vol	ume:		(uL)
				CON	ICENTRAT	TION UNITS	•		
CAS NO).	COMPO	DUND	(ug/l	or ug/Kg)	UG/L		Q	
106-46	6-7	1,4-Di	chlorobe	nzene			5		
95-50-	1	1,2-Di	chlorobe	nzene			5		
96-12-	8	1,2-Di	bromo-3	-chloropro	pane		5		

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

120-82-1

87-68-3

87-61-6

METALS -5A-

SPIKE SAMPLE RECOVERY

M-27DS	
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stract: R2740356

> Code:

Case No.:

SAS No.:

SDG NO.: DGC-3S

Level (low/med):

LOW

:rix (soil/water):WATER

Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): μ G/L

ĺ	Analyte	Control Limit %R	 Sample (SSR)	С	Samp. Result	le (SR)	С	Spike Added (SA)	%R	Ω	М
Ì	Chromium	75 - 125	196.0748	B	•	1.920	ס ט ו	200.00	98.0		P

mments:

-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

tract: R2	7	4	0	3	5	6	
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M-27DA

Code:

Case No.:

SAS No.:

SDG NO.: DGC-3S

rix (soil/water):

WATER

Level (low/med):

LOW

Concentration Units: ug/L

Analyte	Control	Spiked Sample		Sample	Spike			
	Limit %R	Result (SSR)	C	Result (SR) C	Added (SA)	%R	Q	M
Chromium	1	193.02	Ī	1.92 ប	200.0	96.5		P

-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): μ G/L

			J. J.		<u> </u>			
Analyte	Control Limit	Sample (S)	c	Duplicate (D)	С	RPD	Q	м
Chromium		1.9	ט 200	1.920	ן ש ס		1	P

COLUMBIA ANALYTICAL SERVICES

11/14/07 1046927 - M-27D Report Date

Client

Shaw Environmental GE-MRFA PROJECT #810066

Reported Units: MG/L Run # : 151894

PRECISION

LIMITS % REC. ACCURACY ADDED FOUND RPD DUPLICATE 115

ı

82

98

0.100

0.0982

NC

0.0100 U

0.0100 U

ORIGINAL

HEXAVALENT CHROMIUM

00111

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

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)

Ν

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name:	CAS/ROCH				Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-40356	SAS No	o.: S	SDG No.: DGC-3	3S
Matrix: (soil/w	vater)	WATER	<u> </u>		Lal	b Sample ID:	1054358 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	File ID:	V6115.D	_
Level: (low/m	ned)	LOW			Da	te Received:		_
% Moisture: r	not dec.		·		Da	te Analyzed:	10/26/07	_
GC Column:	DB-VF	XX ID:	<u>0.18</u> (m	nm)	Dile	ution Factor:	1.0	_
Soil Extract V	/olume:		(uL)		Soi	il Aliquot Volu	ume:	_ (uL

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	Ū
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ü
100-42-5	Styrene	1	Ū
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	U U
541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

U

Contract: IT-Latham		
SAS No.: SD	OG No.: DGC-3	<u>s</u>
Lab Sample ID:	1054358 1.0	
Lab File ID:	V6115.D	
Date Received:		
Date Analyzed:	10/26/07	
Dilution Factor:	1.0	
Soil Aliquot Volun	ne:	(uL)
NCENTRATION UNITS:		
L or ug/Kg) UG/L	Q	
	1 U	
	1 U	1
opane	1 U	
	Lab Sample ID: Lab File ID: Lab File ID: Date Received: Date Analyzed: Dilution Factor: Soil Aliquot Volun	SAS No.: SDG No.: DGC-3: Lab Sample ID: 1054358 1.0 Lab File ID: V6115.D Date Received: 10/26/07 Dilution Factor: 1.0 Soil Aliquot Volume: NCENTRATION UNITS: L or ug/Kg) UG/L Q 1 U 1 U

1,2,4-Trichlorobenzene

Hexachlorobutadiene 1,2,3-Trichlorobenzene

120-82-1 87-68-3

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

							l v	BLK01		
Lab Nam e :	CAS/RO	CH		Contract:	IT-Lath	am	L			
Lab Code:	10145	Ca	se No.: <u>R7-4</u>	0356 SAS No).:	_ SDO	3 No.:	DGC-3	<u>s</u>	
Matrix: (soil/v	vat er)	WATER		La	b Sample	e ID: 1	054358	3 1.0		
Sample wt/vo	ol:	25.0	(g/ml) ML	La	b File ID:	. <u>v</u>	6115.C)		
Level: (low/n	ned)	LOW		Da	te Recei	ved: _				
% Moisture: r	not dec.			Da	te Analy	zed: <u>1</u>	0/26/07	7		
GC Column:	DB-VR	X ID: 0.	18 (mm)	Dil	ution Fac	ctor: <u>1</u>	.0			
Soil Extract Volume:			(uL)	So	il Aliquot	Volum	e:		(uL))
				CONCENTRAT	TION UN	ITS:				
Number TICs	s found:	0		(ug/L or ug/Kg)	UG	/L				
CAS NO.		COMPO	JND NAME		RT	EST	. CON	٥.	Q	

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)

Ν

Instrument ID: GCMS#6

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

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
)1	LCS02	1054505 1.0	V6138.D	1:24
)2	SW-F	1046943 1.0	V6139.D	2:00
3	SW-E	1046944 1.0	V6140.D	2:35
4	SW-D	1046947 1.0	V6141.D	3:11
5	SW-A	1046949 1.0	V6142.D	3:46
6	TRIP BLANK	1047009 1.0	V6143.D	4:21
7	TRIP BLANK	1047010 1.0	V6144.D	4:57

COMMENTS

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK02

Lab Name:	CAS/RC	OCH			Contract:	IT-Latham		
Lab Code:	10145	(Case No.:	R7-40356	SAS No	o.: S	DG No.: DGC	-3S
Matrix: (soil/\	water)	WATER			La	b Sample ID:	1054504 1.0	
Sample wt/v	ol:	25.0	(g/ml)	ML	Lai	b File ID:	V6137.D	
Level: (low/r	ned)	LOW	·		Da	te Received:		
% Moisture:	not dec.				Da	te Analyzed:	10/27/07	
GC Column:	DB-VF	RX ID:	<u>0.18</u> (m	nm)	Dil	ution Factor:	1.0	
Soil Extract \	/olume:		(uL)		So	il Aliquot Volu	ıme:	(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	C
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 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	Ū
541-73-1	1,3-Dichlorobenzene		1	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name:	CAS/RO	OCH		(Contrac	ct:	IT-Latham		VDI	LNUZ	
Lab Code:	10145	Ca	se No.: R7	-4035 6	SAS	No.:	: 8	DG N	o.: D	GC-38	 s
Matrix: (soil/	water)	WATER	_			Lab	Sample ID:	1054	504 1	.0	
Sample wt/ve	ol:	25.0	(g/ml) M	L		Lab	File ID:	V613	7.D		
Level: (low/r	med)	LOW				Date	e Received:				
% Moisture:	not dec.					Date	Analyzed:	10/27	/07		
GC Column:	DB-VF	RX ID: 0.	18_ (mm)			Dilul	tion Factor:	1.0			
Soil Extract \	Volume:		_ (uL)			Soil	Aliquot Volu	ıme:			(uL)
				CONG	CENTR	ATI	ON UNITS:				
CAS NO	D .	COMP	OUND	(ug/L	or ug/k	(g)	UG/L			Q	
106-4	6-7	1,4-D	ichlorobenz	ene						U	
95-50-	-1	1,2-D	ichlorobenz	ene				1		U	
06.42	0	4 2 D	ibromo 2 al	aloropror						4.1	

1,2,4-Trichlorobenzene

Hexachlorobutadiene 1,2,3-Trichlorobenzene

120-82-1

87-68-3

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	CH			Contract:	IT-Latha	m	VBLN	,,,
Lab Code:	10145	C	ase No.:	R7-40356	SAS No	.:	SI	DG No.: DGC	-3S
Matrix: (soil/w	vater)	WATER			Lat	Sample	ID:	1054504 1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lab	File ID:		V6137.D	
Level: (low/m	ned)	LOW			Dat	e Receiv	ed:		
% Moisture: r	not dec.				Dat	e Analyz	ed:	10/27/07	
GC Column:	DB-VF	X ID: 0	.18 (n	nm)	Dilu	ition Fact	tor:	1.0	
Soil Extract V	olume:		(uL)		Soi	Aliquot \	Volu	me:	(uL)
				CON	ICENTRAT	ION UNI	TS:		
Number TICs	found:	0		(ug/l	or ug/Kg)	UG/	L	·	
CAS NO.		СОМРО	UND NA	ME		RT	ES	T. CONC.	Q

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

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)

Ν

Instrument ID: GCMS#6

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

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK03

Lab Nam e :	CAS/RO	OCH		Contract: IT-Latham	
Lab Code:	10145		Case No.: <u>R7-40356</u>	SAS No.: S	DG No.: DGC-3S
Matrix: (soil/v	vat er)	WATER	<u> </u>	Lab Sample ID:	1054506 1.0
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File ID:	V6158.D
Level: (low/n	ned)	LOW	***************************************	Date Received:	4,41,41
% Moisture: ı	not dec.			Date Analyzed:	10/27/07
GC Column:	DB-VF	RX ID:	<u>0.18</u> (mm)	Dilution Factor:	1.0
Soil Extract V	/olume:		(uL)	Soil Aliquot Volu	ıme: (u

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	Ü
74-83-9	Bromomethane			1	Ū
75-00-3	Chloroethane			1	Ü
75-69-4	Trichlorofluorometh	ane		1	Ū
75-35-4	1,1-Dichloroethene			1	Ū
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-Dichloroe			1	U
75-34-3	1,1-Dichloroethane			1	U
156-59-2	cis-1,2-Dichloroeth			1	U
78-93-3	2-Butanone			5	U
74-97-5	Bromochlorometha	ne		1	U
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroethane			1	U
71-55-6	1,1,1-Trichloroetha	ne		1	U
56-23-5	Carbon Tetrachioric	de		1	U
71-43-2	Benzene			1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloropropan	е		1	U
75-27-4	Bromodichlorometh	ane		1	U
10061-01-5	cis-1,3-Dichloropro	pene		1	U
108-10-1	4-Methyl-2-Pentano	ne		5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichlorop	ropene		1	U
79-00-5	1,1,2-Trichloroetha	ne		1	U
127-18-4	Tetrachloroethene			1	U
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochlorometh	ane		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	Ū
79-34-5	1,1,2,2-Tetrachloro	ethan e		1	U
75-25-2	Bromoform	<u> </u>		1	Ū
541-73-1	1,3-Dichlorobenzen	е		1	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name:	CAS/RC	CH			Contract:	IT-Latham]
Lab Code:	10145	Ca	se No.:	R7-40356	SAS No	o.: S	DG No.: DG	3C-3S	3
Matrix: (soil/v	vater)	WATER	_		La	b Sample ID:	1054506 1.0	0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	La	b File ID:	V6158.D		
Level: (low/n	ned)	LOW			Da	te Received:			
% Moisture: ı	not dec.				Da	te Analyzed:	10/27/07		
GC Column:	DB-VF	<u> X</u> ID: <u>0</u> .	<u>18</u> (m	ım)	Dil	ution Factor:	1.0		
Soil Extract V	/olume:	(uL) Soil Aliquot Volume:							(uL
				CON	CENTRA	TION UNITS:			
CAS NO) .	COMP	OUND	(ug/l	L or ug/Kg)	UG/L		Q	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	СН	····		Contract:	IT-Lat	ham	VE	SLK03
Lab Code:	10145	Ca	ase No.: R7	-40356	SAS No).:	SD	G No.: 1	DGC-3S
Matrix: (soil/v	vater)	WATER			Lal	b Samp	le ID:	1054506	1.0
Sample wt/vo	ol:	25.0	(g/ml) <u>M</u> l	_	Lal	b File IC): \frac{1}{2}	√6158.D	
Level: (low/n	ned)	LOW	_		Da	te Rece	eived:		
% Moisture: r	not dec.				Da	te Analy	yzed: _	10/27/07	
GC Column:	DB-VF	<u> X</u> ID: <u>0</u>	.18 (mm)		Dile	ution Fa	actor: _	1.0	
Soil Extract V	olume:	····	(uL)		Soi	l Aliquo	t Volum	ne:	(u
				CON	ICENTRAT	ION UI	NITS:		
Number TICs	found:	0		(ug/L	. or ug/Kg)	U	3/L		
CAS NO.		СОМРО	UND NAME			RT	EST	. CONC.	Q

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH			Contract:	IT-Latham	
Lab Code:	10145	Case No.:	R7-40356	SAS No	.: SDG N	No.: DGC-3S
Lab File ID:	V5454.D			BF	B Injection Date:	9/21/07
Instrument ID	CMS#6			BF	B Injection Time:	10:35
GC Column:	DB-VRX I	D: <u>0.18</u>	(mm)	He	ated Purge: (Y/N)	<u>N</u>

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	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:

ſ	EPA	LAB	LAB	· DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH		*·····	Contract: IT-L	atham	
Lab Code:	10145	Case No.:	R7-40356	SAS No.:	SDG N	lo.: DGC-3S
Lab File ID:	V6113.D			BFB Inje	ection Date:	10/26/07
Instrument ID	COMS#6			BFB Inje	ection Time:	11:00
GC Column:	DB-VRX	D: 0.18	(mm)	Heated I	Purge: (Y/N)	N

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA ABUNI	
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 LAB		LAB	DATE	TIME
į	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH			Contract:	IT-Latham	
Lab Code:	10145	Case No.:	R7-40356	SAS No	o.: SDG I	No.: DGC-3S
Lab File ID:	V6135.D			BF	B Injection Date:	10/26/07
Instrument ID	: GCMS#6			BF	B Injection Time:	23:38
GC Column:	DB-VRX II	D: 0.18	(mm)	He	ated Purge: (Y/N)	N

			% REL	ATIVE	
m/e	ION ABUNDANCE CRITERIA		ABUNI		
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	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

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 Heated Purge: (Y/N) (mm)

			% REL	.AT	IVE
m/e	n/e ION ABUNDANCE CRITERIA		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	LAB	LAB	DATE	TIME
1	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

ŀ		IS1		IS2		IS3		
		AREA #	RT #	AREA #	RT #	AREA #	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	663 835	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 Heated Purge: (Y/N) (mm)

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	832363	5.92	707373	8.86	382359	10.92
	UPPER LIMIT	1664 726	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) Ν

			_ ()	710disd 1 dige. (1714)						
		IS1		IS2		IS3				
		AREA #	RT #	AREA #	RT #	AREA #	RT #			
	12 HOUR STD	650718	5.92	554397	8.86	290005	10.92			
	UPPER LIMIT 1301436 LOWER LIMIT 325359		6.42	1108794	9.36	580010	11.42			
į			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.

page 1 of 1

^{*} 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

	Initial Calib. Blank			Continuing Calibration Blank (ug/L)					Preparation Blank			
Analyte	(ug/L)	С	1	C	2	C	3	С		c	M	4
Chromium	1.	ان (9	1.	9 0	1.	ן ט פ.	1.	9 0	1.920	บ	F	٥.

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

	Initial Calib. Blank		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte	(ug/L)	С	1	C	2	С	3	<u>c </u>		C	M
Chromium			1.	ן ט פ	1	ן ט פ					P

CAS Submission #: R2740356

Client: Shaw Environmental

GE-MRFA PROJECT #810066

BLANK SPIKES

BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
0.0100 U	0.0996	0.100	100	90 - 109	151894	MG/L

HEXAVALENT CHROMIUM

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%)
- o 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.

- 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.
- 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

SDG #: 10380)61	BATCH (COMPLETE:yes		DATE REVISED:				
SUBMISSION	R2739812	DISKETT	re requested: Y_X N		DATE DUE	E: 10/15/07			
CLIENT:	Shaw Environmental	DATE: 9/	/19/07		PROTOCO	L: OLC			
	: Janice Jaeger	CUSTOR	DY SEAL: PRESENT/ABSENT: P		SHIPPING	No.:			
	MRFA PROJECT# 810066	CHAIN C	OF CUSTODY: PRESENT/ABSENT: F	>					
CAS JOB#	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE	DATE	pН	%	REMARKS	
					RECEIVED	(SOLIDS)	SOLIDS	AMPLE CONDITION	
1038061 QC		WATER		9/18/2007	9/19/07				
	EFFLUENT	WATER		9/18/2007	9/19/07				
	DUPE A	WATER		9/18/2007	9/19/07				
1038064	TRIP BLANK	WATER	VOA OLC 2.1	9/17/2007	9/19/07				
			Add 3 extra compounds						
			111						
		L							

SDG #: DGC-3S BATCH COMPLETE: yes DATE REVISED: 10/18/10 On SUBMISSION R2740356 DISKETTE REQUESTED: Y X N DATE DUE: 11/08/07 CLIENT: Shaw Environmental DATE: 10/18/07 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 % DATE pН REMARKS SAMPLED RECEIVED (SOLIDS) SOLIDS 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 10/18/07 10/17/2007 1046930 M-25D OLC2.1 VOA WATER 10/17/2007 10/18/07 1046931 11D WATER OLC2.1 VOA 10/17/2007 10/18/07 1046932 M-331 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 COOLER BLANK 1046950 WATER OLC2.1 VOA 10/18/2007 10/18/07 Trip Blank 1047119 vater 10/18/2007 10/18/0 016 2.1 1KB MIRREL neuta 1047010 10/18/2007 10/18/00 01.C.2.1 UVA

このななら

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 DATE % REMARKS pН SAMPLED RECEIVED (SOLIDS) SOLIDS 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

Soo

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:

COMPANY: Shaw Environmental GE MRFA Project #810066 SUBMISSION #: R2740356

Page 1 of 2

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.

COMPANY: Shaw Environmental GE MRFA Project #810066 SUBMISSION #: R2740356

Page 2 of 2

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:

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

		Well #2	Well #1	Well #2	Well #1	Total Daily
Date		Flow	Flow	Average	Average	Average Flow
		(gal)	(gal)	(gpm)	(gpm)	(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

		Well #2	Well #1	Well #2	Well #1	Total Daily
Date		Flow	Flow	Average	Average	Average Flow
		(gal)	(gal)	(gpm)	(gpm)	(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

		Well #2	Well #1	Well #2	Well #1	Total Daily
Date		Flow	Flow	Average	Average	Average Flow
		(gal)	(gal)	(gpm)	(gpm)	(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 T	Grand Total		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:	11	New York State Energy Research and Developmental Authority
New York State Energy Research and		Saratoga Economic Development Corporation
Developmentt Authority		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:

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
Town of Malta		Saratoga Economic Development Corporation
	V	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:

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
Saratoga Economic Developmentt Corporation	√	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: 1/28/08