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FINAL SEMI-ANNUAL O&M REPORT REMEDIAL WORK ELEMENTS I, II AND IV REPORTING PERIOD DECEMBER 4, 2007 THROUGH JUNE 30, 2008

Malta Rocket Fuel Area Site Malta, New York

August 5, 2008

Submitted to:

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Submitted by:

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1.0 INTRODUCTION

This operations and maintenance (O&M) report documents ongoing 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 December 4, 2007 through June 30, 2008.

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 January 25, February 21, March 19, April 14, May 14, and June 5, 2008.

The groundwater treatment system is comprised of a packed tower air stripper. System influent and effluent samples were collected during the February 21 and May 14, 2008 site visits to document adherence to the treatment system discharge objectives. Analytical results from these sample events, including validated analytical results and chain of custody forms, are provided in **Appendices A** and **B**. The validation summary is included in **Appendix C**.

During the reporting period, recovery wells RW-1D and RW-2D operated at daily average flow rates of approximately 0.047 and 1.025 gallons per minute (gpm), respectively, yielding an average daily combined flow of approximately 1.072 gpm. As a result of the limited use of the test station, these flows are less than those historically recorded. Early in March 2008 (**Appendix D**) RW-1D stopped pumping water to the treatment system. Damage to the pump discharge piping is detailed in further sections.

Review of the analytical results for influent and effluent treatment system samples collected in February and May 2008 confirm that during the reporting period, the system effluent water quality was compliant with 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 does not need cleaning or replacement. Additional discussions regarding air stripper flow, air stripper blower pressure readings and water quality sampling are presented below.

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 by 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 were identified as AC power failures. The AC power failure alarm conditions were apparently caused by short duration power failures which are typical at the MRFA Site. The power failures result in brief interruptions in the delivery of electrical power to the system and do not typically cause disruption or down-time of the treatment system. In addition to these brief interruptions, one AC power failure occurred on April 14, 2008 due to a faulty electrical switch located just before the air stripper blower. As a result the operator was notified of a low air stripper blower pressure alarm. The switch was replaced on May 1, 2008. Subsequent site visits confirmed the correct operation of the blower. 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 the 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 were 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.

During the March 19, 2008 inspection it was noted that the settling tank sump pump was not working properly. A replacement pump was order and changed out the following day.

2.2.1 Recovery Well Pump Inspection

Recovery well pumps were inspected during the June 5, 2008 site visit. Shaw personnel utilized confined space entry procedures to enter well vaults RW-1D and RW-2D and disconnect water supply piping. All system piping and electrical power supplies were locked and tagged out during maintenance and inspection activities. The pumps and associated down well pipe from each well casing were removed by hand. Pumps and discharge piping were inspected for

corrosion, loose or damaged parts and other signs of wear or damage that would indicate a potential for pump failure.

The pump in RW-1D is encased in a four-inch polyvinyl chloride (PVC) section of slotted well screen. After removal of this protective screen, the pump was inspected and determined to be free of defects. A light coating of mineral scale had accumulated on the pump motor, likely the result of moderate heating during pump operation. There was no accumulation of material surrounding the actual pump intake screen. The pump was subsequently wiped down, the protective casing re-installed, and the pump re-positioned in the well without modification to the piping. Following installation, the pump was restarted and the piping was inspected for leaks in the well vault. Leaks within the vault were not observed, however Shaw personnel did note the presence of a hole adjacent to the vault. This hole would fill with water while the system was running and quickly subside when the pump shut off. It was determined that a break in the line (near where the pipe exits the vault) leading from the vault to the main building was causing this hole to fill and subside with the operation of the pump. Following the June 5, 2008 inspection this pump remains locked and tagged out and the system will be operated using RW-2D.

The recovery pump in RW-2D was also removed and inspected in the same manner as the RW-1D pump. This pump does not have a protective casing installed on the pump body. A light accumulation of debris was observed on the pump intake. Water and a clean cloth were used to remove the debris. No other issues were observed with the pump and it was subsequently reinstalled without incident. Following re-installation, the pump was restarted and associated piping was inspected for leaks in the well vault.

2.2.2 100,000 Gallon Reservoir Inspection

The annual inspection of the 100,000 gallon reservoir was performed on May 15, 2008. The visual inspection of the reservoir did not reveal any problems. A hand held spotlight was used to assist personnel in the inspection of the interior reservoir walls. There were no signs of cracks in the concrete or any type of buildup or growth activity. The standpipe was observed to be in good condition. All confined space entry procedures, including air monitoring and the use of retrieval equipment, were used during the inspection.

2.2.3 Air Stripper Tower Inspection

Shaw accessed the top section of the air stripper tower on June 5, 2008. The protective cover was removed to allow access to the tower demister and spray nozzle. The demister pad was in good condition with no buildup of any material or precipitate. The spray nozzle was in good

condition and did not require cleaning beyond a wipe down. The air stripper tower packing was inspected at the top of the column and determined to be in good condition. No evidence of precipitate accumulation or clogging was observed from the top of the air stripper column.

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 December 4, 2007 to June 30, 2008 are as follows:

Well RW-1D: 0.0528 gpm Well RW-2D: 0.9386 gpm System Avg: 0.9915 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 1.072 gpm for the reporting period. The average water flow rate calculated from field observations (0.9915) is statistically the same to the average daily water flow rate calculated from the data logger (1.072), confirming the data logger's accuracy and usefulness in verifying field observations.

The average daily water flow rates observed during the reporting period were less than those observed during the last reporting period and can be attributed to the limited use of the test station water supply by the current property owner and in part to the fact that New York State Energy Research and Development Authority (NYSERDA) was disconnected from the test station water supply and connected to Saratoga Water Services in November 2005. Instantaneous flow, has decreased since early March 2008.

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 2.80 to 3.40 inches of water column during the current period. The pressure readings were well 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 February 21 and May 14, 2008 and analyzed by Columbia Analytical Laboratories, Inc., of 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 February 21 and May 14, 2008 samples are provided in **Appendices A** and **B**. All validation was performed by Data Validation Services, Inc. of North Creek, New York. Validation reports are included in **Appendix C**.

2.4.2 VOC Analytical Results

The drinking water system effluent sampling results for carbon tetrachloride indicated detections during the February and May sampling events at estimated concentrations of $0.4\mu g/l$ and $0.2\mu g/l$, respectively. TCE were detected at estimated concentrations of $0.7\mu g/l$ and $0.3\mu g/l$ within the effluent samples collected during the February and May monitoring events. The results for the February and May events qualified as estimated value by the laboratory because the observed concentrations are less than the laboratory method reporting limit.

The influent concentrations for TCE and carbon tetrachloride observed during this reporting period were similar to the influent concentrations for these compounds observed during the previous reporting period. The drinking water system influent and effluent sample results for TCE and carbon tetrachloride are summarized in the table below.

Analyte	Date Sampled	Influent (µg/l)	Effluent (μg/l)	Performance Standard (µg/l)
Carbon	February 21, 2008	31	0.4 J	5
Tetrachloride	May 14, 2008	25	0.2 J	5
TCE	February 21, 2008	54	0.7 J	5
	May 14, 2008	42	0.3 J	5

Note: ND = not detected

The air stripper influent chloroform concentrations are similar to the chloroform air stripper influent concentrations observed during the previous reporting period. Chloroform was detected at a concentration of $5 \mu g/l$ in the February 21, 2008 air stripper influent sample. Chloroform was not detected in the May 14, 2008 air stripper influent sample or in the air stripper effluent samples collected on February 21, 2008 and May 14, 2008. 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	February 21, 2008	5	ND	70
	May 14, 2008	ND	ND	70

Note: ND = not detected

Based upon analytical data collected during this reporting period, the drinking water system's removal efficiency was greater than 99 percent for all volatile organic analytes.

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3.1 Sample Collection

Modifications to the Early Warning Monitoring System (EWMS) monitoring program have been specified in <u>Addendum No. 1, Operations and Maintenance Manual, Remedial Work Element II-Groundwater, Malta Rocket Fuel Area Site, General Electric Company, January 31, 2005</u> (Addendum No. 1). In accordance with the <u>Operations and Maintenance Manual for Remedial Work Element II - Ground Water, ERM Northeast, Inc., January 22, 1998,</u> (O&M-GW) and Addendum No. 1, unfiltered groundwater samples were collected on May 14 and 15, 2008 from the EWMS. In accordance with the <u>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 <u>"Proposed Modifications to Groundwater and Surface Water Sampling Regimes at the Malta Rocket Fuel Area Site"</u> 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 (Figure 1). Blind duplicate samples were collected from well 13D for chromium and hexavalent chromium. Trip blanks were also analyzed.</u>

Samples from all designated monitoring well sampling locations were analyzed for 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 were analyzed for VOCs, unfiltered total matrix chromium following CLP procedures and unfiltered hexavalent chromium.

Results of the May 2008 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**, and **8**.

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 analysis collected in May 2008 at well 13D indicated a concentration of 13.2 μ g/l which is below the New York State Ground Water Standard (NYSGWS) of 50 μ g/l. Total chromium was not detected above laboratory method detection limits in well M-27D.

Analytical results showed no detectable concentrations of hexavalent chromium at the method detection limit of 10 μ g/l for both groundwater samples (13D & M-27D). The NYSGWS for hexavalent chromium is 50 μ g/l.

3.3 VOC Analytical Results

Carbon tetrachloride was detected in monitoring wells M-24D, M-25D, M-27D M-29D and 11D at concentrations of 9 μ g/l, 56 μ g/l, 11 μ g/l, 33 μ g/l and 11 μ g/l, respectively. All other monitoring well sample locations were non-detect for carbon tetrachloride during the reporting period. The time vs. concentration plot for carbon tetrachloride in well M-27D is presented in **Figure 2**.

After completion of the data validation it was determined that chloroform was not detected above laboratory method detection limits in any of the monitoring wells sampled during this reporting period.

TCE was detected in monitoring wells in M-25D, M-27D M-29D and 11D at concentrations of 52 μ g/l, 13 μ g/l, 11 μ g/l and 1 μ g/l respectively. Trichlorofluoromethane was also detected in monitoring well M-27D at an estimated concentration of 0.6 μ g/l. 1,1,1-Trichloroethane was detected in monitoring well M-29D at a concentration of 4 μ g/l. TCE, trichlorofluoromethane and 1,1,1-trichloroethane were not detected at the remainder of the monitoring well locations during this reporting period.

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, TCE was not detected in the water samples collected at monitoring wells M-33S and M-33I.

4.0 INSTITUTIONAL CONTROLS

O&M activities for remedial Work Element IV, Institutional Controls, are conducted on an annual basis. Shaw conducts semi-annual visual inspections of the environmental restriction zone during the semi-annual groundwater sampling activities and annual environmental easement restriction interviews with property owner representatives during the October semi-annual reporting period. With the exception of the visual inspections of the environmental restriction zone, no institutional control activities were conducted during this reporting period. These activities will be conducted and reported during the next reporting period.

5.1 Drinking Water

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

5.2 Early Warning Monitoring System (EWMS)

The analytical results from this reporting period are summarized as follows:

- Total chromium was detected at monitoring well 13D. The Chromium detection collected from this monitoring well was below the NYSGWS of 50 µg/l.
- Hexavalent chromium was not detected at the any of the monitoring well locations.
- Carbon tetrachloride was detected in monitoring wells M-24D, M-25D, M-27D M-29D and 11D at concentrations of 9 µg/l, 56 µg/l, 11 µg/l, 33 µg/l and 11 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, according to third party data validation, was not detected above laboratory method detection limits at the monitoring wells during this reporting period.
- TCE was detected in monitoring wells in M-25D, M-27D, M-29D and 11D at concentrations of 52 µg/l, 13 µg/l, 11 µg/l and 1 µg/l respectively. Trichlorofluoromethane was also detected in monitoring well M-27D at an estimated concentration of 0.6 µg/l and 1,1,1-trichloroethane was detected in monitoring well M-29D at a concentration of 4 µg/l. TCE, trichlorofluoromethane and 1,1,1-trichloroethane were not detected at the remainder of the monitoring well locations during this reporting period. The NYSGWS for TCE, trichlorofluoromethane and 1,1,1-trichloroethane is 5 µg/l.
- As shown in **Figures 3, 4** and **5**, simulated concentrations of carbon tetrachloride and TCE are much higher than the observed concentrations.

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

Equipment Name	Item	Action	Frequency	Comments
Well Pump 1D	Pump bowls	Check for signs of iron fouling & impeller wear	Annually	More frequently as problems occur
Well Pump 2D	Pump bowls	Check for signs of iron fouling & impeller 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

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

Equipment Name	Item	Action	Frequency	Comments
Mist Eliminator	Mesh screen	Clean or replace	Annually	Adjust frequency depending on operating experience
Settling Tank		Inspect for siltation	Monthly	Adjust frequency depending on operating experience
Settling Tank High Level Float Switch		Check operation	Monthly	Replace float switch every 5 years
100K Gallon Reservoir		Inspect for siltation, debris, etc.	Annually	Adjust frequency depending on operating experience
Level Sensor	Probe	Manually check start-up/shutdown. Check probe float for free range of motion. Remove and inspect for buildup of minerals if resistance is detected.	Monthly	Adjust frequency depending on operating experience
Misc. Guys, Hardware etc.		Inspect	Annually	Adjust frequency depending on operating experience
System Interlocks	Settling Tank High Level Blower Low	Check for proper operation. System should alarm after pre-set delay period.	Monthly	Adjust frequency depending on operating experience
	Pressure			
	Blower Low, Amps			4
	Building Low Temperature			

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

Date	Operator	Operational Status of System	Work Performed					
1/25/08	Marc Flanagan	Arrival – OK	Monthly O&M visit. System interlock testing performed					
		Departure – OK	– all OK.					
2/21/08	Marc Flanagan	Arrival - OK	Monthly O&M visit. System interlock testing performed					
		Departure – OK	all OK. Collected system samples for VOAs.					
3/19/08	Marc Flanagan	Arrival - OK	Monthly O&M visit. System interlock testing performed					
Ŭ.		Departure – Not OK	 all OK. Noticed that sump pump in settling tank was not working properly and required replacement. 					
3/20/08 Marc Flanagan		Arrival – Not OK	Replaced sump pump in settling tank. Checked all					
		Departure - OK	interlocks – all OK. Ran the system through a complete process to check sump pump – all OK.					
4/14/08 Marc Flanagan		Arrival – Not OK	Arrive to perform monthly O&M check and find AS					
		Departure – Not OK	motor not running. Attempt to troubleshoot problem, motor appears to wired correctly and power to the contactor switch is confirmed.					
4/24/08	Marc Flanagan	Arrival – Not OK	Confirmed operation of motor and checked voltage and					
		Departure – Not OK	amps across contactor switch. Volts – good, amps not good. Need to replace switch.					
5/1/08	Marc Flanagan	Arrival – Not OK	Replace contactor switch before blower. Run thru					
		Departure – OK	system interlock checks. All OK.					
5/14/08	Marc Flanagan &	Arrival - OK	Monthly O&M visit. System interlock testing performed					
	Robert Adams	Departure – OK	– all OK. Collected system samples for VOAs.					
6/5/08	Marc Flanagan &	Arrival - Not OK	RW-1 down, changed 3 fuses, monthly O&M visit. System interlock testing performed, – all OK upon departure. Leave RW-1 LOTO.					
	Robert Adams	Departure – OK						

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

1	2	3					4				5	
DATE	TIME		WATER FI	LOWLINE 1	D			WAT	ER FLOWLI	NE 2D		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(GAL)	(DAYS)	THIS PERIOD	PERIOD (GPM)	METER	RDG(GAL)	(DAYS)	THIS PERIOD	PERIOD (GPM)	
		RDG(GPM)			(GAL)	(GPM)	RDG(GPM)			(GAL)	(GPM)	
					(G/IL)					(G/IL)		
												Recorded in previous report, replicated here
12/4/2007	13:00	1.2	4,688,900	19	NA	NA	7.2	6,511,700	19	NA	NA	for calculation purposes.
1/25/2008	9:00	<1.0	4,695,500	52	6,600	0.09	7.2	6,553,000	52	41,300	0.55	
, ,					-							
2 /24 /2000	0.45	4.0	4 (00 000	25	2 200	0.00	7.0	6 FFF 000	27	24.000	0.44	
2/21/2008	9:15	1.0	4,698,800	27	3,300	0.08	7.2	6,577,800	27	24,800	0.64	
2 /4 0 /2000	42.00	.1.0	4 500 600	25	2 000	0.40	7.0	((E0 (00	27	02 000	2.20	
3/19/2008	12:00	<1.0	4,702,600	27	3,800	0.10	7.2	6,670,600	27	92,800	2.39	
2 /20 /2000	45.00		4 500 600		0	0.00	7.0	((E0 (00			0.00	
3/20/2008	15:30	<1	4,702,600	1	0	0.00	7.2	6,670,600	1	0	0.00	
. /. / / 2000	47.00		4 = 20 - 400			2.22				40.400	0.04	
4/14/2008	17:00	0.0	4,702,600	25	0	0.00	7.2	6,683,700	25	13,100	0.36	
_ , , , , , , , , , ,												
5/14/2008	8:45	0.0	4,702,900	30	300	0.01	7.2	6,730,300	30	46,600	1.08	
												RW-1D vault entered for pump inspection.
6/5/2008	10:00	0.0	4,702,900	22	0	0.00	7.2	6,760,400	22	30,100	ი 95	Pump discharge pipe determined to be leaking.
0/3/2008	10.00	0.0	4,702,900	22	0	0.00	7.2	0,700,400	22	50,100	0.93	cumig.
Summary				184	14,000	0.0528			184	248,700	0.9386	

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?	
1/25/2008	9:00	12 - 13	Yes	No	Yes-3.2	Monthly O&M visit. Interlock checks OK
2/21/2008	9:15	12 - 13	Yes	Yes	Yes-3.4	Monthly O&M visit. Interlock checks OK. Quarterly system samples collected.
3/19/2008	12:00	12 - 13	Yes	No	Yes-3.0	Monthly O&M visit. Interlock checks OK, sump pump down, shut system down.
3/20/2008	15:30	12 - 13	Yes	No	Yes-3.0	Settling tank sump pump replaced. All interlock checks OK.
4/14/2008	17:00	8 - 10	Yes	No	No	Monthly O&M visit. AS motor not working.
4/24/2008	15:00	7 - 9	Yes	No	No	AS motor not working, contactor switch needs to be replaced.
5/1/2008		7 - 9	Yes	No	No	AS Contactor switch replaced, All interlock checks OK.
5/14/2008	8:45	12 - 13	Yes	Yes	Yes-2.8	Monthly O&M visit and system sample collection. All interlocks OK. RW-1 not showing flow.
6/5/2008	10:00	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.

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TABLE 5 MAY 2008 WATER QUALITY ANALYTICAL RESULTS SEMI-ANNUAL SAMPLING

Remedial

	Action						DUPE				
Compound	Objective	DGC-3S	DGC-4S	4D	11D	13D	(13D)	14 D	M-24D	M-25D	M-27D
Acetone	50	2 UJ	2 UJ	2 UJ	1 UJ	NA	NA	1 UJ	5 UJ	4 UJ	1 UJ
Carbon Disulfide	None*	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	2 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	11	NA	NA	1 U	9	56	11
Chloroform	7	1 U	1 U	1 U	2 U	NA	NA	1 U	1 U	5 U	1 U
2-Butanone	5	5 U	5 U	5 U	5 U	NA	NA	5 U	5 U	12 U	5 U
Trichloroethene	5	1 U	1 U	1 U	1	NA	NA	1 U	1 U	52	13
Trichlorofluoromethane	5*	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	2 U	0.6 J
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	2 U	1 U
1,1-Dichloroethene	NP	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	2 U	1 U
Chromium	50*	NA	NA	NA	NA	13.2	22	NA	NA	NA	1.0 U
Hexavalent Chromium	50*	NA	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U

Field Parameters

рН	 6.18	7.78	7.84	7.44	7.81	 7.80	7.72	7.53	7.74
Temperature (celsius)	 7.2	9.29	9.01	9.57	10.2	 10.31	10.08	8.85	9.66
Conductivity (umhos/cm)	 0.127	0.514	0.447	0.999	0.82	 0.709	0.776	0.999	0.639
Dissolved Oxygen	 7.35	4.46	0.69	6.78	0.40	 10.82	9.50	5.01	10.14
Turbidity (NTUs)	 102	58	260.0	0.0	301	 0.0	0.0	10.1	6.0
Depth To Water (feet)	 8.95	4.95	35.90	26.3	33.1	 39.9	28.8	26.60	35.00
Ground Water Elevation (feet)	 196.85	200.85	291.65	293.38	296.17	 301.47	291.77	287.86	269.27

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 MAY 2008 WATER QUALITY ANALYTICAL RESULTS SEMI-ANNUAL SAMPLING

	Remedial Action				Trip	Cooler						
Compound	Objective	M-29D	M-33S	M-33D	Blank	Blank	SW-A	SW-B	SW-D	SW-E	SW-F	SW-G
Acetone	50	4 UJ	1 UJ	5 U	2 J	0.9 J	NA	NA	NA	NA	NA	NA
Carbon Disulfide	None*	2 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5	33	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA
Chloroform	7	2 U	1 U	1 U	1 U	0.1 J	NA	NA	NA	NA	NA	NA
2-Butanone	5	10 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA
Trichloroethene	5	11	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	50*	2 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	4	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NP	2 U	1 U	1 U	1 U	1 U	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

Field Parameters

рН	 7.64	8.19	7.87	 	NA	NA	NA	NA	NA	NA
Temperature (celsius)	 10.12	10.64	9.56	 	NA	NA	NA	NA	NA	NA
Conductivity (umhos/cm)	 0.969	0.43	0.785	 	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	 8.11	7.92	1.37	 	NA	NA	NA	NA	NA	NA
Turbidity (NTUs)	 1.3	0.0	0.0	 	NA	NA	NA	NA	NA	NA
Depth To Water (feet)	 41.90	10.56	27.75	 	NA	NA	NA	NA	NA	NA
Ground Water Elevation (feet)	 292.76	293.71	275.94	 	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	8/15
Benzene	0.7*	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	N
Carbon Disulfide	None*	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	N
Aluminum	100*	0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Lead	25*	NA	NA	NA	NA	<0.005 mg/L	NA	NA	NA	NA	NA	N
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Hexavalent Chromium	50*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no
Carbon Disulfide Chromium	None* 50*											
13S Benzene	0.7*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N.
Carbon Disulfide	None*	NA	NA	NA NA	NA.	NA NA	NA NA	NA.	NA NA	NA	NA NA	N.
Carbon Tetrachloride	5	NA	NA	NA	NA.	NA NA	NA NA	NA.	NA NA	NA.	NA NA	N
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N N
Trichlorofluoromethane	5*	NA	NA	NA	NA NA	NA	NA NA	NA.	NA	NA NA	NA NA	N
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N

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 = 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.

I = Estimated concentration

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

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

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

** = Filtered Sample.

	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
Chromium	50*					NA	NA	15.9	11.9 E	ND/ND*	ND/ND*	ND/ND dp
DGC-4S Carbon Disulfide Chromium	None*					ND/0.5Vdp	ND NA	ND 15.9	ND 11.9 F	ND ND/ND*	ND ND/ND*	ND/ND dp
138												
	0.50	***	27.		27.		0.000.00) III		110	3.755
Benzene	0.7*	NA	NA	NA	NA	2	0.7/0.6 Jdp	ı	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 µg/l (ppb) unless otherwise stated.

Only detected compounds are listed.

NA = Not analyzed.

 $ND = Not \ detected. \\$

NS = Not sampled.

B = 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.

I = Estimated concentration.

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

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

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

** = Filtered Sample.

	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
DCC 48												
Chromium	50*	8.6 B	48.1/ND*	ND	3.3B	ND	31.2/ND*	ND/ND dp	5.6 B	ND	NA	NA
13S												
Benzene	0.7*	0.4 JV	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	NA	NA
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	NA	NA
Carbon Tetrachloride	5	16 V	15	10	17	18	20/9 dp	9	9	9	NA	NA
Chloroform	7	0.6 V	0.6	0.4 J	0.6	0.7	ND/ND dp	0.4 J	0.3 J	ND	NA	NA
Trichloroethene	5	1 V	2	0.6	ND	2	2/1 dp	0.8	1	0.9	NA	NA
Trichlorofluoromethane	5*	0.9 V	2	0.5	ND	2	2/1 dp	0.9	1	ND	NA	NA
Chromium	50*	585/576**	746/614**	198/609**	787/716**	572/610**	580/357** 567/357** dp	406/434**	133 V/157 V**	44.2 V/95.8 V**	140 J	52.7 J
Hexavalent Chromium	50*	493	663	460	800	560	530/540 dp	340	101	36	150	48

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 = 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.

I = Estimated concentration

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

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

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

** = Filtered Sample.

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

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 = 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.

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

 $** = Filtered\ Sample.$

	Remedial											
Wells / Compounds	Action					40.00.000				40.400.5		
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
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
	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
138			,				,	,				1
Benzene	0.7*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Carbon Tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
Chromium	50*	43.3	13.4	34.8	52.2	49.4	20.1	NA	NS	NS	NS	NS
Hexavalent Chromium	50*	43.6 J	18	3.59	45	51.5	11	11.2	NS	NS	NS	NS

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 = 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.

* 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.

NA

ND NA

Remedial			
Action			
Objective	5/14/2007	10/16/2007	5/15/2008
0.7*	ND	ND	ND
None*	ND	ND	ND
100*	NA	NA	NA
25*	NA	NA	NA

NA

ND

C-4S			
on Disulfide	None*	ND	

13S

Wells / Compounds DGC-3S Benzene Carbon Disulfide Aluminum Lead Chromium

Benzene	0.7*	NS	NS	NS
Carbon Disulfide	None*	NS	NS	NS
Carbon Tetrachloride	5	NS	NS	NS
Chloroform	7	NS	NS	NS
Trichloroethene	5	NS	NS	NS
Trichlorofluoromethane	5*	NS	NS	NS
Chromium	50*	NS	NS	NS
Hexavalent Chromium	50*	NS	NS	NS

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 = 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.

* 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 M-27S, M-27D, M-33S, M-33I

JUNE 1992 - MAY 2008 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													
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.

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

* 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 M-27S, M-27D, M-33S, M-33I

JUNE 1992 - MAY 2008 SEMI-ANNUAL SAMPLING

Remedial

Action

	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
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
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
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
Hexavalent Chromium	50*	ND / ND dp	ND	ND	ND / ND dp	ND UJ	ND U / ND dp	ND	ND	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
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
Chloromethane	5	ND	ND / ND dp	ND / ND dp	ND	ND	ND	ND	ND ND dp	ND	ND ND dp	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
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
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
Hexavalent Chromium	50*	ND	ND/ND dp	ND/ND dp	ND	ND	ND	ND	ND / ND dp	ND	ND / ND dp	ND	ND
M-33S													
VOCs	-	ND	ND	ND	8.0 J	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

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 M-27S, M-27D, M-33S, M-33I JUNE 1992 - MAY 2008

SEMI-ANNUAL SAMPLING

temedial

Action

	Action							
M-27S	Objective	10/2005	5/23/2006	10/16/2006	5/14/2007	10/16/2007	5/14/200	
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	
Chloromethane	5	NA	NA	NA	NA	NA	NA	
Chromium	50*	NA	NA	NA	NA	NA	NA	
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	
M-27D								
Carbon Tetrachloride	5	13	22	12	15	10 0.7J	11 ND	
Chloroform	7	ND	2	0.76J	2			
Chloromethane	5	ND	ND	ND	ND	ND	ND	
Trichloroethene	5	24	16	21	15	14	13	
Trichlorofluoromethane	5*	1.0	1 J	1.0	0.9J	0.8J	0.6J	
Chromium	50*	1.6 B	2.7	1.7 BJ	ND	ND	ND	
Hexavalent Chromium	50*	ND	ND	ND	ND	ND	ND	
M-33S								
VOCs	-	ND	ND	ND	ND	ND	ND	

Notes:

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

ND

Only detected compounds are listed.

 $NA = Not \ analyzed.$

ND

ND = Not detected.

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

lp = Duplicate sample

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

ND

ND

ND

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.

NA

VOCs

TABLE 8 SUMMARY OF WATER QUALITY ANALYTICAL RESULTS MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D JUNE 1992 - MAY 2008 SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action										
4D	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	10/16/2007	5/14/2008
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11D											
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	6	4.6	13	14	15	12	12	13	11
Chloroform	7	ND	3	ND	4.0	3.0	4.0	3.0	3	2	ND
Trichloroethene	5	9Ј	7	ND	0.8 J	0.9J	1 J	2.0	1	1	1
M-24D											
Acetone	50	ND	ND R	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	10	0.7	0.59 J	10	10	11	11	10	9	9
Chloroform	7	ND	ND	ND	0.6 J	0.5J	0.5 J	0.44 J	0.4 J	0.4 J	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
M-25D											
Acetone	50	ND	ND R	ND	ND	ND	49 D*	25 JD	ND	ND	ND
Carbon Tetrachloride	5	48	27R	86.8 D	81 D	91	76 D*	71 D	60	65	56
Chloroform	7	ND	3R	8.7	8.0	9.0	8 D*	7 D	7	6	ND
Trichloroethene	5	3J	8R	16.1	35 D	37	28 D*	22 D	31	34	52
M-29D											
Acetone	50	ND	ND R	ND	ND	ND	16 D*	ND	ND	ND	ND
Carbon Tetrachloride	5	79	84	10.8	38 D	37	39 D*	33 D	32	34	33
Chloroform	7	ND	14	ND	4.0	5.0	5 D*	4 D	3	3	ND
Trichloroethene	5	19	24	6.0	14	13	14 D*	12 D	11	11	11
13D											
Chromium	50*	98.4	38.9 J	4.5 B	78.3	60.8 J	11	17.1	25.3	5.2B	13.2
Hexavalent Chromium	50*	NA	NA	10 U	10 U	10 U	10 U	14.2	10 U	10 U	10 U

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 ϵV = Estimated concentration: due to variance to quality

NA = Not analyzed. control limits.

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

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

 $dp = Duplicate \ sample. \qquad \qquad for \ comparison \ purposes \ only.$

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

R = Analysis rejected

FIGURES

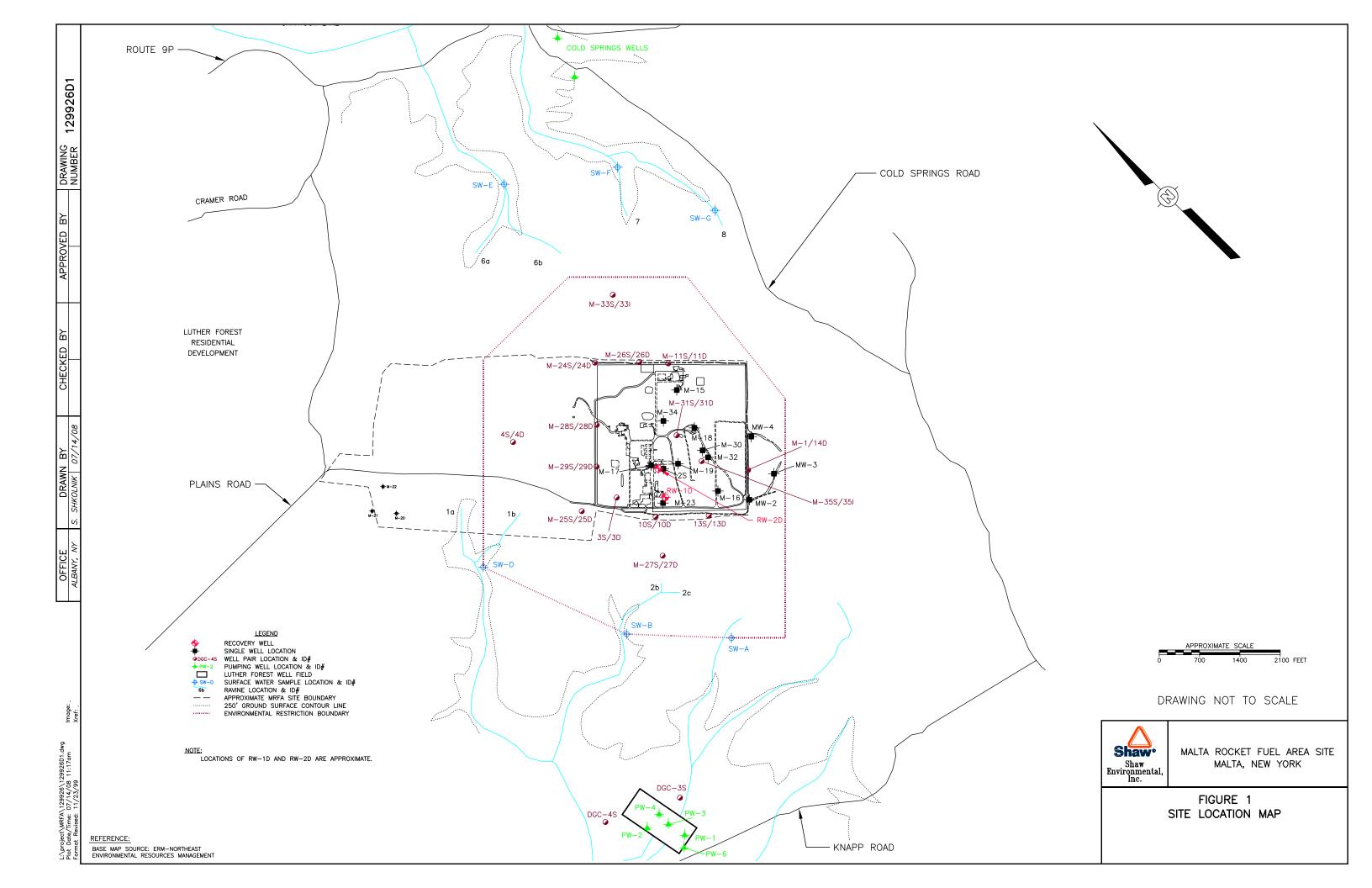


FIGURE 2
WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS

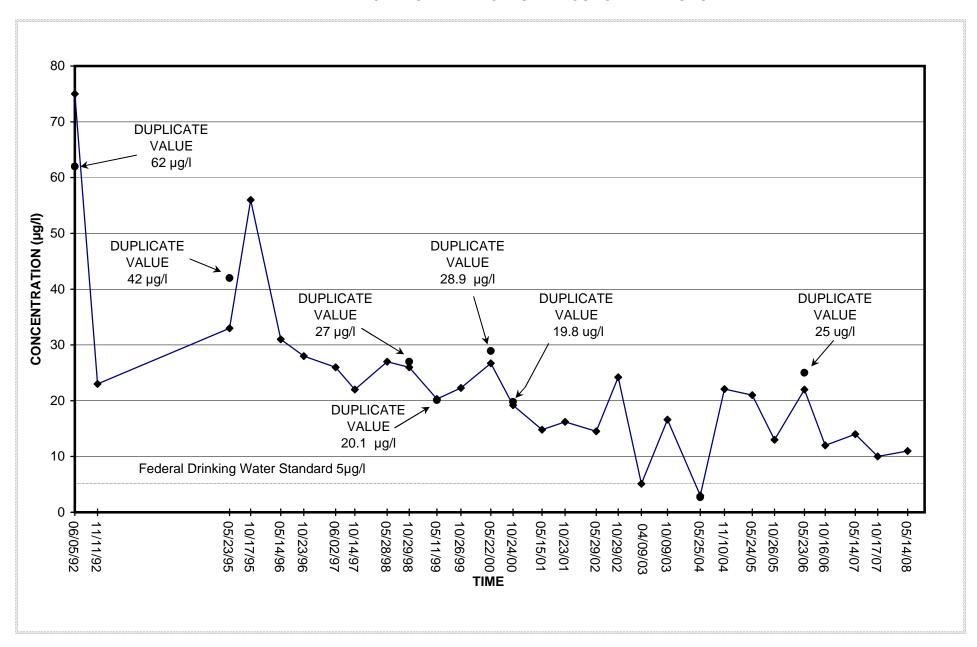


FIGURE 3
SIMULATED VERSUS OBSERVED (MAY 2008)
CARBON TETRACHLORIDE CONCENTRATIONS
AT WELL M-27D

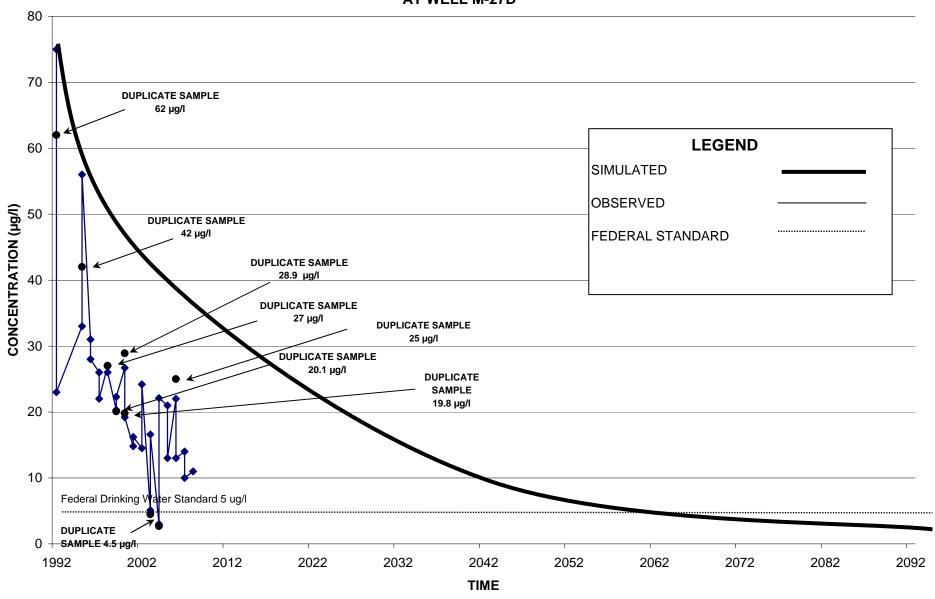


FIGURE 4
SIMULATED VERSUS OBSERVED (MAY 2008)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33S

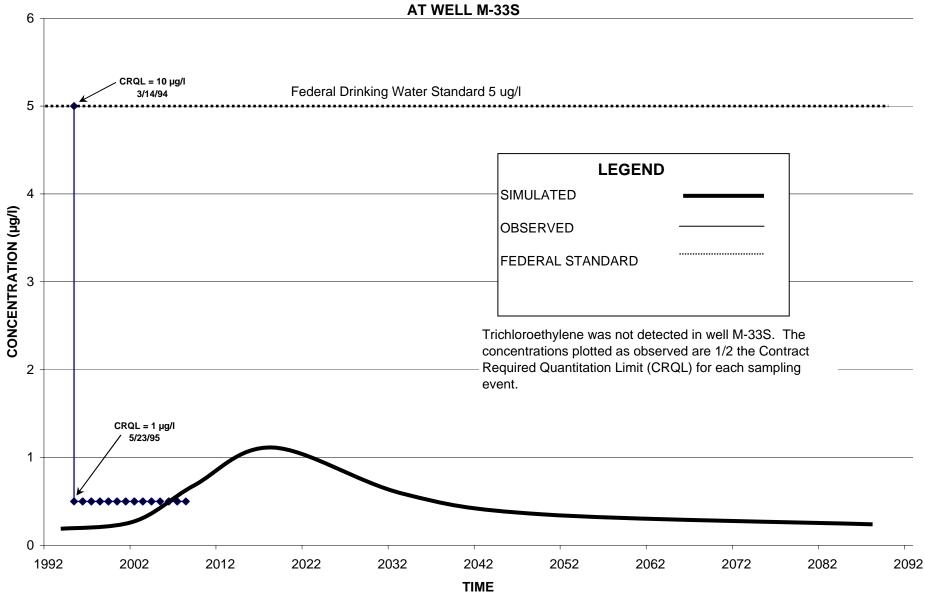
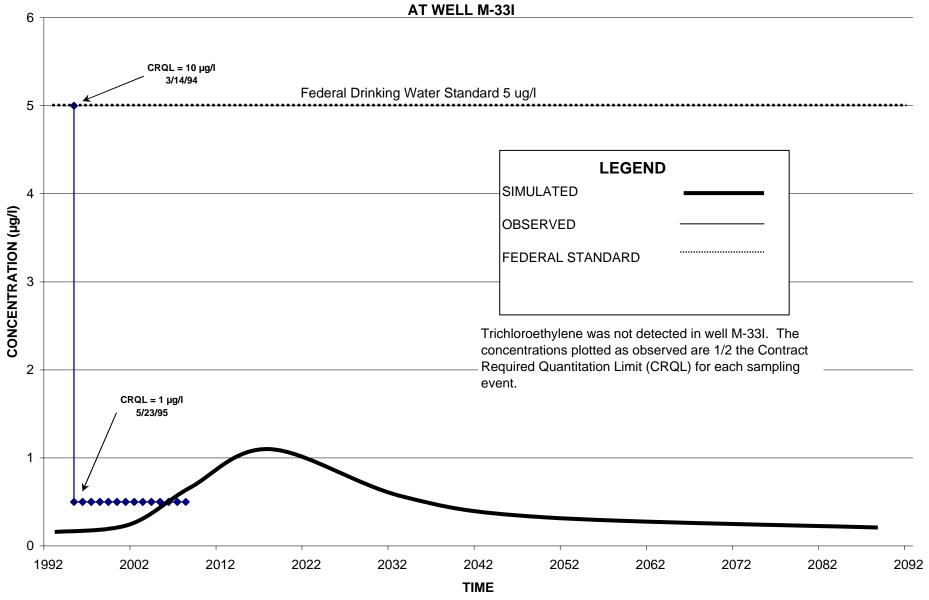


FIGURE 5
SIMULATED VERSUS OBSERVED (MAY 2008)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-331



APPENDIX A

LABORATORY DATA, INFLUENT/EFFLUENT WATER SAMPLES

FEBRUARY 21, 2008



March 25, 2008

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

Re: GE - MRFA

Submission # R2842409 SDG # MRFA-INFLUENT

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 February 22, 2008.

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 # : R2842409

Project Manager : Carlton Beechler

Reported

: 03/25/08

Report Contains a total of $\frac{48}{100}$ 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 #: R2842409

Shaw samples were sampled on 2/21/08 and received at CAS on 2/22/08 in good condition.

VOLATILE ORGANICS

Three 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 MRFA-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 high. The MSD was within range. The data was not significantly affected. The MS for Trichloroethene (TCE) was outside acceptable range high and the MSD for TCE was outside of acceptable range low. Matrix interference is suspected. Also, results are calculated from estimated hits in the field sample. The Relative Percent Differences between the MS/MSD were within limits with the exception of Carbon Tetrachloride and TCE. The variability in the results is attributed to the heterogeneous character of the sample. Recovery in the Laboratory Control Samples (LCS) for Carbon Tetrachloride and Trichloroethene were 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 MRFA-INFLUENT outside the calibration range of the instrument and are flagged with an "E". The sample was reanalyzed at dilution to bring the over-range compounds within the calibration range of the instrument. Both sets of data are reported.

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

The Cooler Blank and Trip Blank associated with these samples were free of contamination with the exception of 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 Laborators

	pH % REMARKS (SOLIDS) SOLIDS AMPLE CONDITION							-													
DATE REVISED: DATE DUE: 3/19/08 PROTOCOL: CLP SHIPPING No.:	DATE	2/22/2008																			-
!	S DATE SAMPLED	2/21/2008	2/21/2008	2/21/2008	2/21/2008	2/22/2008															
BATCH COMPLETE:yes DISKETTE REQUESTED: Y N_X DATE: 2/22/08 CUSTODY SEAL: PRESENT/ABSENT: P	MATRIX REQUESTED PARAMETERS	VOA (OLC 2.1)	The state of the s					Anny .													
BATCH COMPI DISKETTE REC DATE: 2/22/08 CUSTODY SE/	CHAIN O	WATER	WATER	WATER	WATER	WATER															
SDG #: MRFA-INFLUENT SUBMISSION R2842409 CLIENT: Shaw Environmental CLIENT REP: Carlton Beechler	GE-MRFA PROJECT#810066 CLIENT/EPA ID	MRFA-INFLUENT	MRFA-EFFLUENT	MRFA-DUPE A	TRIP BLANK	COOLER BLANK															
SDG #: MRFA-INFLUENT SUBMISSION R2842409 CLIENT: Shaw Envir CLIENT REP: Carlton Bee	PROJECT: CAS JOB #	1078633 QC	1078635	1078639	1078641	1078643														7 .	







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 1 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

Columbia	Analytical	Services "".
X		

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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

P

CAS Contact

SH #

Preservative Key 0. NONE 1. HCL 2. HNO3 3. H-2SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 12284247 REMARKS/ ALTERNATE DESCRIPTION INVOICE INFORMATION Other ANALYSIS REQUESTED (Include Method Number and Container Preservative) Printed Name Date/Time Signature BILL TO: #B Ē IV. Data Validation Report with Raw Data V. Speicalized Forms / Custom Report II. Results + QC Summaries (LCS, DUP, MS/MSD as required) REPORT REQUIREMENTS III. Results + QC and Calibration RELINQUISHED BY I. Results Only Edata Printed Name CLIST IN COMMENTS DEIOW)

(LIST IN COMMENTS DEIOW) Signature Date/Time E TURNAROUND REQUIREMENTS 5 day RUSH (SURCHARGES APPLY) REQUESTED REPORT DATE REQUESTED FAX DATE STANDARD 2. AOV 2MOD 2. AO Printed Name Jate Time Signature PRESERVATIVE CUSTODY SEALS: Y. N NUMBER OF CONTAINERS RELINQUISHED BY MATRIX **₩** Harry 8 935 930 2 KT 80/15/5 8397 SAMPLING DATE TIME Printed Name Sleve Meior Judy (518) 783 .. 83
Sample's Printed Name
Narc Flanagan 810066 Distribution: White - Return to Originator; Yellow - Lath Copy; Hink - Retained by Client FOR OFFICE USE ONLY LAB ID 1175/02 12/643 13 British American Blyd CX 9350 102863 17835 (17/63 1448011 . F(Project Number Report CC Shaw Environmental, SAMPLE RECEIPT: CONDITION/COOLER TEMP: MR F A- Influent (MSD È MRFA - Influent (MS SPECIAL INSTRUCTIONS/COMMENTS 0011 - 1996 MRFA- Influent MRFA- Effluent FK- MRFA CLIENT SAMPLE ID Brian Neumann MRFA - Oupa Latham, RELINQUISHED BY Blank Hungain (518) 783 Shaw Shaw Daterline See OAPP <u>ادا</u> ه Printed Name Metals # euoul

Cooler Receipt And Preservation Check Form

Projectic	ject/ClientSubmission Number										
Cooler re	eceived on 6	426	108	by: Co	OURIE	R: CAS 🄇	(JPS) 1	FEDEX	VELO	CITY	CLIENT
1. \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Were custody Were custody Did all bottle Did any VOA Were 1ce or Where did the Temperature	y seal y pap s arri A via Ice p	s on ers p ve in ls ha acks	YES YES YES YES (YES) CAS/RO							
1	Is the temper	rature	with	hin 0° - 6° C?:		Yes	Yes		Yes		
	If No, Expla				No	No	\sim	No	No		No
	Date/Time T	emp	eratu	res Taken:	2	122/08		955			1 D 41.
				packing/ice con						: / S	ample Bonie
PC Sec	ondary Revi	ew: _		02/22/UK	- 2138	by:	A	MES D	NO		
1. 2. 3.	Did all bottl Were correct Air Sample	e lab	els a taine asse	complete (i.e. and tags agree with ers used for the testes / Tubes Intact	custody sts indica Car	y papers? ated?	(YES YES Tedlar	NO NO ® Bags	s Infla	ated N/A
1. 2. 3.	Did all bottl Were correct Air Sample	e lab	els antaine Casse	nd tags agree with ers used for the te ttes / Tubes Intact	custody sts indica Car	y papers? ated?	(NO Bags	s Infla	Yes = All samples OK
1. 2. 3. 4. Explair	Did all bottl Were correct Air Sample n any discrep	e lab	els a taine asse	nd tags agree with ers used for the tea ttes / Tubes Intact	n custody sts indic t Car	y papers? ated? nisters Press	urized	Tedla	NO Bags	inal	Yes = All samples OK
1. 2. 3. 4. Explain pH ≥12 ≤2	Did all bottl Were correct Air Sample n any discrep Reagent NaOH	e lab	els antaine Casse	nd tags agree with ers used for the tea ttes / Tubes Intact	n custody sts indic t Car	y papers? ated? nisters Press	urized	Tedla	NO Bags	inal	Yes = All samples OK No = Samples
1. 2. 3. 4. Explain pH ≥12 ≤2 ≤2 Residua Chlorin	Did all bottl Were correct Air Sample n any discrep Reagent NaOH HNO3 H ₂ SO ₄ all For TCN ne and	e lab	els antaine Casse	nd tags agree with ers used for the tea ttes / Tubes Intact	n custody sts indica Car	y papers? ated? nisters Press Sample ID	Vol. Added	Tedlar Lot Add	NO Tell Bags	inal	Yes = All samples OK No =
1. 2. 3. 4. Explain pH ≥12 ≤2 ≤2 Residue	Did all bottl Were correct Air Sample n any discrep Reagent NaOH HNO3 H ₂ SO ₄ All For TCN ne and Phenol Na ₂ S ₂ O ₃ Zn Aceta	yes	els antaine Casse	nd tags agree withers used for the testes / Tubes Intact Lot Received If present, contact add ascorbic acid	Exp PM to	y papers? ated? nisters Press	Vol. Added	Lot Add	NO r® Bags ed Fi	inal pH	Yes = All samples OK No = Samples were preserved at
1. 2. 3. 4. Explain pH ≥12 ≤2 ≤2 Residua Chlorin (-)	Did all bottl Were correct Air Sample n any discrep Reagent NaOH HNO3 H2SO4 all For TCN and Phenol Na ₂ S ₂ O ₃	yes	els antaine Casse es:	nd tags agree withers used for the testes / Tubes Intact Lot Received If present, contact	n custody sts indica Car	y papers? ated? nisters Press Sample ID *Not to be te tested and re	Vol. Added	Lot Add	NO r® Bags ed Fi	inal pH	Yes = All samples OK No = Samples were preserved at lab as listed PM OK to

BOBBE

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA-INFL

Lab Name:	CAS/RO	OCH		Contract:	IT-Latham	_	لــــــا
Lab Code: 10145			Case No.: R8-42409	SAS No.	: s	DG No.: MRFA	-INF
Sample wt/vol: 25.0		WATE	₹	Lab	Sample ID:	1078633 1.0	
		25.0	(g/ml) ML	Lab	File ID:	V8241.D	_
		LOW		Dat	e Received:	2/22/08	-
% Moisture: r	not dec.			Dat	e Analyzed:	2/29/08	_
GC Column:	DB-VF	RX ID:	<u>0.18</u> (mm)	Dilu	tion Factor:	1.0	_
Soil Extract V	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	UULI
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	ひんり
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	11	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	<u> </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	5	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	31 -35	— <u>E</u>
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	54 58	E
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	Ū
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	Ū
		1	Ū
75-25-2	Bromoform		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	,	VOLVIILE C	, , , , , , , , , , , , , , , , , , ,	0.0 0,	0		MR	FA-INFI	1	
_ab Name:	CAS/RO	OCH			Contract:	IT-Latha	m			
_ab Code:	10145	Ca	se No.: R	3-42409	SAS No	.:	_ SD	G No.:	MRFA-	INF
Matrix: (soil/	water)	WATER	_		Lat	Sample	ID:	1078633	3 1.0	
Sample wt/v	ol:	25.0	(g/ml) M	L	Lat	File ID:	•	V8241.E)	
_evel: (low/i	med)	LOW	_		Dat	te Receiv	ed:	2/22/08		
% Moisture:	not dec.				Dat	te Analyz	ed:	2/29/08		
GC Column:	DB-VF		18_ (mm))	Dilu	ution Fact	or:	1.0		
Soil Extract \	Volume:		(uL)		Soi	l Aliquot \	Volun	ne:		(uL)
				CON	CENTRAT	ION UNI	TS:			
CAS NO	D .	COMPO	DUND	(ug/L	or ug/Kg)	UG/	<u>L</u>		Q	
106-46	6-7	1,4-Di	chlorobenz	ene				1	U	
95-50-		1.2-Di	chlorobenz	ene				1	U	
96-12-			bromo-3-cl		pane			1	U	
120-82			Trichlorobe		·			1	U	
1										

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

				MD	FA-INFL	1			
Lab Name:	CAS/RC	ОСН		Contract:	IT-Lat	ham	IVIT	LW-INLL	
Lab Code:	10145	···	Case No.: R8-4	2409 SAS No	o.:	SD0	3 No.:	MRFA-II	NF ·
Matrix: (soil/v	vater)	WATE	R	La	b Samp	le ID: 10	78633	1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	La	b File II): <u>V</u>	8241.D)	
Level: (low/n	n ed)	LOW		Da	te Rece	eived: <u>2</u> /	22/08	·	
% Moisture: r	not dec.			Da	te Anal	yzed: 2/	29/08		
GC Column:	DB-VF	X ID:	<u>0.18</u> (mm)	Dil	ution Fa	actor: 1.	0		
Soil Extract V	olume:		(uL)	So	il Aliquo	ot Volume): 		(uL)
				CONCENTRAT	TION UI	NITS:			
Number TICs	found:	0		(ug/L or ug/Kg)	<u>U</u>	G/L			
CAS NO.		COMP	OUND NAME		RT	EST.	CONC). (2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA-INFLDL

Lab Name:	CAS/RC	CH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-42409	SAS No	.: S	SDG No.: MRFA-	INF
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	1078633 2.5	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V8254.D	
Level: (low/n	n ed)	LOW			Dat	e Received:	2/22/08	
% Moisture: r	not dec.				Dat	e Analyzed:	3/3/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	2.5	
Soil Extract V	olume:		(uL)		Soi	Aliquot Volu	ıme:	(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	U
75-15-0	Carbon Disulfide		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	31	D
71-43-2	Benzene /	2	U
79-01-6	Trichloroethene /	54	D
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene /	2	U
10061-02-6	trans-1,3-Dichløropropene	2	U
79-00-5	1,1,2-Trichlorøethane	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	Ū
			

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA-INFLDL

Lab Name:	CAS/RC	CH			Contract:	IT-Latham		
Lab Code:	10145	Ca	ase No.: R	8-42409	SAS No	.:	SDG No.:	MRFA-INF
Matrix: (soil/v	vater)	WATER			Lab	Sample ID): <u>1078633</u>	3 2.5
Sample wt/vo	ol:	25.0	(g/ml) <u>N</u>	1L	Lab	File ID:	V8254.E)
Level: (low/n	ned)	LOW			Dat	e Received	l: <u>2/22/08</u>	
% Moisture: r	not dec.				Dat	e Analyzed	: 3/3/08	
GC Column:	DB-VR	X ID: 0	.18 (mm)	Dilu	ition Factor	: 2.5	, ,
Soil Extract V	/olume: _		(uL)		Soi	Aliquot Vo	lume:	(ul/)
CAS NO).	СОМР	OUND		CENTRAT or ug/Kg)	ION UNITS UG/L	:	Q
106.46	. 7	1 Λ-Γ)ichloroben:	7000			2 /	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.

CAS NO.		СОМРО	UND NAME			F	RT E	ST. CON	C .	Q	
Number TICs	s found:	0			CENTR/ or ug/K		UG/L				
Soil Extract V	/olume:	,	(uL)		S	Soil A	Miquot Vol	ume:		_ (uL)
GC Column:	DB-VF	X ID: C).18 (mm)			Dilutio	on Factor:	2.5			
% Moisture:	not dec.				[ate	Analyzed:	3/3/08		_	
Level: (low/r	n ed)	LOW				ate	Received:	2/22/08			
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>		L	.ab F	ile ID:	V8254.E	<u> </u>		
Matrix: (soil/v	water)	WATER			L	ab S	Sample ID:	1078633	3 2.5		
Lab Code:	10145	c	ase No.: <u>R8-</u>	42409	SAS	No.:		SDG No.:	MRFA	1-INF	•
Lab Name:	CAS/RO	DCH			Contract	t: <u> </u>	T-Latham	_			

OLC 2.1

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA EFFL

Lab Name:	CAS/RC	OCH			Contract:	IT-Latham	_		╝
Lab Code:	10145		Case No.:	R8-42409	SAS No	.: S	SDG No.:	MRFA-INI	=
Matrix: (soil/w	vater)	WATE	R		Lal	Sample ID:	107863	5 1.0	
Sample wt/vo	d:	25.0	(g/ml)	ML	Lal	File ID:	V8240.E)	
Level: (low/m	ned)	LOW			Da	te Received:	2/22/08		
% Moisture: n	ot dec.			,	Dat	te Analyzed:	2/29/08		
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	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	UU,
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	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	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	0.4	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.7	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	Ü
106-93-4	1,2-Dibromoethane	1	Ü
108-90-7	Chlorobenzene	1	Ü
100-41-4	Ethylbenzene Ethylbenzene	1	Ū
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ŭ
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	U U
75-25-2	Bromoform	1	Ü
75-25-2 541-73-1	1,3-Dichlorobenzene	1	U
<u> </u>	1,3-DICHIOLODELIZELIE		<u> </u>

VOLATILE ORGANICS ANALYSIS DATA SHEET

Ε	P	Α	SA	٩N	IPL	E	NO
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					_			MK	TA EFF	-
Lab Name:	CAS/RC	OCH			Contract:	IT-Lath	am	_		
Lab Code:	10145	Ca	se No.: R8	-42409	SAS No	o.:	_ s	DG No.:	MRFA-	INF
Matrix: (soil/	water)	WATER			La	b Sample	D:	1078635	5 1.0	
Sample wt/ve	ol:	25.0	(g/ml) MI	<u>L</u>	La	b File ID:		V8240.D)	
Level: (low/r	med)	LOW			Da	ate Recei	ved:	2/22/08		
% Moisture:	not dec.				Da	ate Analy	zed:	2/29/08		
GC Column:	DB-VF	X ID: 0.	18_ (mm)		Dil	ution Fac	tor:	1.0		
Soil Extract \	/olume:		(uL)		So	il Aliquot	Volu	me:		(uL)
				CON	CENTRA	TION UN	ITS:			
CAS NO) .	COMPO	DUND	(ug/L	or ug/Kg)	<u>UG</u>	/L	_	Q	
106-46	6-7	1,4-D	ichlorobenz	ene				1	U	
95-50-		1,2-Di	ichlorobenz	ene				1	U	
96-12-			ibromo-3-ch		pane			1	U	
120-82			Trichlorobe					1	U	

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	LE NO
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Lab Name:	CAS/RO	OCH			Contract:	IT-Lath	am	IVIK	FA EF	r
Lab Code:	10145	c	ase No.:	R8-42409	SAS No	.:	_ s	DG No.:	MRFA	\-INF
Matrix: (soil/v	vater)	WATER			Lat	Sample	e ID:	1078635	1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lat	File ID:		V8240.D)	_
Level: (low/m	ned)	LOW			Dat	te Receiv	ved:	2/22/08		
% Moisture: r	not dec.				Dat	e Analyz	zed:	2/29/08		_
GC Column:	DB-VF	<u> </u>).18 (m	m)	Dilu	ition Fac	tor:	1.0		
Soil Extract V	olume:		(uL)		Soil	l Aliquot	Volu	me:		_ (uL)
				CON	ICENTRAT	ION UNI	TS:			
Number TICs	found:	0		(ug/L	. or ug/Kg)	UG	/L	···		
CAS NO.		СОМРО	UND NAN	1E		RT	ES	T. CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA-DUPE A

Lab Name:	CAS/RC	OCH			Contract:	IT-Latham			
Lab Code:	10145		Case No.:	R8-42409	SAS No.	:s	DG No.:	MRFA-INI	F
Matrix: (soil/w	vater)	WATE	R		Lab	Sample ID:	1078639	1.0	_
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V8243.D		
Level: (low/m	ned)	LOW			Dat	e Received:	2/22/08		
% Moisture: n	not dec.				Date	e Analyzed:	2/29/08		
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	m)	Dilu	tion Factor:	1.0		
Soil Extract V	olume: _		(uL)		Soil	Aliquot Volui	me:	(ı	JL

75-01-4 Vinyl Chloride 1		Q
75-01-4 Vinyl Chloride 1 1 74-83-9 Bromomethane 1 1 75-00-3 Chloroethane 1 1 75-69-4 Trichlorofluoromethane 1 1 67-64-1 Acetone 5 1 75-15-0 Carbon Disulfide 1 1 75-09-2 Methylene Chloride 1 1 75-34-3 1,1-Dichloroethane 1 1 75-34-3 1,1-Dichloroethane 1 1 78-93-3 2-Butanone 5 1 74-97-5 Bromochloromethane 1 1 107-06-2 1,2-Dichloroethane 1 1 71-06-2 1,1,1-Trichloroethane <td>3</td> <td>U</td>	3	U
74-83-9 Bromomethane 1 1 75-00-3 Chloroethane 1 1 75-69-4 Trichlorofluoromethane 1 1 75-35-4 1,1-Dichloroethene 1 1 67-64-1 Acetone 5 1 75-15-0 Carbon Disulfide 1 1 75-09-2 Methylene Chloride 1 1 75-09-2 Intrans-1,2-Dichloroethene 1 1 156-60-5 trans-1,2-Dichloroethene 1 1 75-34-3 1,1-Dichloroethane 1 1 156-59-2 cis-1,2-Dichloroethene 1 1 78-93-3 2-Butanone 5 1 74-97-5 Bromochloromethane 1 1 67-66-3 Chloroform 1 1 107-06-2 1,2-Dichloroethane 1 1 71-55-6 1,1,1-Trichloroethane 1 0 71-43-2 Benzene 1 0 79-01-6 Trichloroethene<	4	U
75-00-3 Chloroethane 1 1 75-69-4 Trichlorofluoromethane 1 1 75-35-4 1,1-Dichloroethene 1 1 67-64-1 Acetone 5 1 75-15-0 Carbon Disulfide 1 1 75-09-2 Methylene Chloride 1 1 156-60-5 trans-1,2-Dichloroethene 1 1 75-34-3 1,1-Dichloroethane 1 1 156-59-2 cis-1,2-Dichloroethane 1 1 78-93-3 2-Butanone 5 1 78-93-3 2-Butanone 5 1 74-97-5 Bromochloromethane 1 1 67-66-3 Chloroform 1 1 107-06-2 1,2-Dichloroethane 1 1 71-55-6 1,1,1-Trichloroethane 1 0 71-43-2 Benzene 1 0 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane		UL
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 75-34-3 1,1-Dichloroethane 1 U 78-93-3 2-Butanone 5 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 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane <td>3</td> <td>U</td>	3	U
75-35-4 1,1-Dichloroethene 1 1 67-64-1 Acetone 5 1 75-15-0 Carbon Disulfide 1 1 75-09-2 Methylene Chloride 1 1 156-60-5 trans-1,2-Dichloroethene 1 1 75-34-3 1,1-Dichloroethane 1 1 156-59-2 cis-1,2-Dichloroethene 1 1 78-93-3 2-Butanone 5 1 78-93-3 2-Butanone 5 1 74-97-5 Bromochloromethane 1 1 67-66-3 Chloroform 1 1 107-06-2 1,2-Dichloroethane 1 1 71-55-6 1,1,1-Trichloroethane 1 0 71-43-2 Benzene 1 0 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane 1 0 75-27-4 Bromodichloromethane 1 0 108-10-1 4-Methyl-2-Pentanone<	4	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 0.3 J 71-43-2 Benzene 1 U 78-87-5 1,2-Dichloropropane 1 U 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 1 U 108-10-1 4-Methyl-2-Pentanone 5 U 108-88-3 Tolu		U
75-15-0 Carbon Disulfide 1 I 75-09-2 Methylene Chloride 1 I 156-60-5 trans-1,2-Dichloroethene 1 I 75-34-3 1,1-Dichloroethane 1 I 156-59-2 cis-1,2-Dichloroethene 1 I 78-93-3 2-Butanone 5 I 74-97-5 Bromochloromethane 1 I 67-66-3 Chloroform 1 I 107-06-2 1,2-Dichloroethane 1 I 71-55-6 1,1,1-Trichloroethane 1 I 56-23-5 Carbon Tetrachloride 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 1 U 1061-01-5 cis-1,3-Dichloropropene 1 U 108-88-3 Toluene 1 U 10061-02-6 <td< td=""><td></td><td>UAL</td></td<>		UAL
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 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 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	5	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 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 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		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 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 1 U 1061-01-5 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		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 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 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		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 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 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		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 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 1 U 108-10-15 cis-1,3-Dichloropropene 1 U 108-88-3 Toluene 5 U 10061-02-6 trans-1,3-Dichloropropene 1 U 79-00-5 1,1,2-Trichloroethane 1 U		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 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 1 U 10061-01-5 cis-1,3-Dichloropropene 1 U 108-88-3 Toluene 5 U 10061-02-6 trans-1,3-Dichloropropene 1 U 79-00-5 1,1,2-Trichloroethane 1 U		U
107-06-2 1,2-Dichloroethane 1 U 71-55-6 1,1,1-Trichloroethane 1 U 56-23-5 Carbon Tetrachloride 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 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) (U
71-55-6 1,1,1-Trichloroethane 1 U 56-23-5 Carbon Tetrachloride 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 J 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 1 U 10061-01-5 cis-1,3-Dichloropropene 1 U 108-88-3 Toluene 5 U 10061-02-6 trans-1,3-Dichloropropene 1 U 79-00-5 1,1,2-Trichloroethane 1 U	.2	U
56-23-5 Carbon Tetrachloride 0.3 J 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 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		
71-43-2 Benzene 1 U 79-01-6 Trichloroethene 0.7 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		
79-01-6 Trichloroethene 0.7 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		
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		
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		
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		
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		
108-88-3 Toluene 1 U 10061-02-6 trans-1,3-Dichloropropene 1 U 79-00-5 1,1,2-Trichloroethane 1 U		
10061-02-6 trans-1,3-Dichloropropene 1 U 79-00-5 1,1,2-Trichloroethane 1 U		
79-00-5 1,1,2-Trichloroethane 1 U	2-6 tr	
127-18-4 l etrachioroethene		U
591-78-6 2-Hexanone 5 U		
124-48-1 Dibromochloromethane 1 U		
106-93-4 1,2-Dibromoethane 1 U		
108-90-7 Chlorobenzene 1 U		
100-41-4 Ethylbenzene 1 U		
1330-20-7 (m+p) Xylene 1 U		
1330-20-7 o-Xylene 1 U		
100-42-5 Styrene 1 U		
79-34-5 1,1,2,2-Tetrachloroethane 1 U		
75-25-2 Bromoform 1 U		
541-73-1 1,3-Dichlorobenzene 1 U		

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA-DUPE A

Lab Name:	CAS/RC	CH			Contract:	11-Latnam			
Lab Code:	10145	Case	e No.: <u>R8</u> -	42409	SAS No	o.:	SDG No.:	MRFA-I	INF
Matrix: (soil/v	vater)	WATER			Lai	b Sample ID	1078639	1.0	
Sample wt/vo		25.0	(g/ml) ML	•	Lai	b File ID:	V8243.D		
Level: (low/r		LOW			Da	te Received	: <u>2/22/08</u>		
% Moisture:					Da	te Analyzed	1: 2/29/08	<u> </u>	
GC Column:		X ID: 0.18	3 (mm)		Dil	ution Factor	: <u>1.0</u>		
Soil Extract \			(uL)		So	il Aliquot Vo	lume:		(uL)
				CON	ICENTRAT	TION UNITS	S:		
CAS NO).	СОМРО	UND	(ug/L	. or ug/Kg)	UG/L	- draw - Table	Q	

CAS NO.	COMPOUND (agit of aging)		-
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1.2-Dichlorobenzene	11	U,
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	11	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

		IENIA	TIVELTIDEN	TIFILD COMEC	OIVE	,,	MDE	A-DUPI	
Lab Name:	CAS/RO	осн		Contract	: <u>IT</u>	-Latham	WIKE	A-DUF	
Lab Code:	10145	c	Case No.: R8-	42409 SAS N	lo.: _	s	DG No.:	MRFA-	-INF ·
Matrix: (soil/	water)	WATER		L	ab S	ample ID:	1078639	9 1.0	
Sample wt/ve	oi:	25.0	(g/ml) <u>ML</u>	L	ab Fi	le ID:	<u>V8243.</u> [)	-
Level: (low/r	med)	LOW		D	ate F	Received:	2/22/08		_
% Moisture:	not dec.			D	ate A	Analyzed:	2/29/08		-
GC Column:	DB-VF	RX ID: 0	0.18 (mm)	Đ	ilutio	n Factor:	1.0		_
Soil Extract \	/olume:		(uL)	S	oil Al	iquot Volu	me:		(uL)
				CONCENTRA	ATIOI	N UNITS:			
Number TICs	s found:	0		(ug/L or ug/Kg	3)	UG/L			
CAS NO.		СОМРО	UND NAME		R	T ES	ST. CON	С.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RC	OCH			Contract:	IT-Latham			
Lab Code:	10145		Case No.:	R8-42409	SAS No.		SDG No.:	MRFA-I	NF
Matrix: (soil/w	vater)	WATE	R		Lab	Sample ID	: 1078641	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V8239.D)	
Level: (low/m	ned)	LOW			Dat	e Received	: 2/22/08		
% Moisture: n	not dec.				Dat	e Analyzed:	2/29/08		
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	tion Factor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	ume:		(uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane			I U
75-01-4	Vinyl Chloride			l U
74-83-9	Bromomethane		•	ישט ו
75-00-3	Chloroethane		•	
75-69-4	Trichlorofluorom	nethan e	1	U
75-35-4	1,1-Dichloroethe	ene	1	U
67-64-1	Acetone		9	UU1
75-15-0	Carbon Disulfide	9	1	
75-09-2	Methylene Chlor	ride	1	U
156-60-5	trans-1,2-Dichlo	roethene	1	U
75-34-3	1,1-Dichloroetha	ne	1	U
156-59-2	cis-1,2-Dichloroe	ethene	1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromet	thane	1	U
67-66-3	Chloroform		1	
107-06-2	1,2-Dichloroetha	ne	1	U
71-55-6	1,1,1-Trichloroet	hane	1	U
56-23-5	Carbon Tetrachle	oride	1	Ū
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloroprop	ane	1	U
75-27-4	Bromodichlorome	ethane	1	U
10061-01-5	cis-1,3-Dichlorop	ropene	1	U
108-10-1	4-Methyl-2-Penta		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichlore	opropene	1	U
79-00-5	1,1,2-Trichloroeth	nane	1	U
127-18-4	Tetrachloroethen	е	1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochlorome	ethane	1	U
106-93-4	1,2-Dibromoethar	ne	1	U
108-90-7	Chlorobenzene		1	Ü
100-41-4	Ethylbenzene	***	1	Ū
1330-20-7	(m+p) Xylene		1	Ŭ
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachlor	oethane	1	U
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenze	ene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

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Lab Nama:	CAS/RO	CH		Co	ntract:	IT-Latham	''''	1 10 5m/ 11 1	' `
Lab Name:	CAS/RO	OF1			illiact.	11-Latilalli	_		
Lab Code:	10145	Ca	se No.: <u>R8</u> -	-42409	SAS No.	: 8	SDG No.:	MRFA-I	NF
Matrix: (soil/v	water)	WATER	_		Lab	Sample ID:	1078641	1 1.0	·
Sample wt/vo	oł:	25.0	(g/ml) Ml		Lab	File ID:	V8239.D)	
Level: (low/r	med)	LOW	=		Dat	e Received:	2/22/08		
% Moisture: ı	not dec.				Date	e Analyzed:	2/29/08		
GC Column:	DB-VR	<u> </u>	18 (mm)		Dilu	tion Factor:	1.0		
Soil Extract V	/olume: _		_ (uL)		Soil	Aliquot Volu	ıme:		(uL)
				CONCE	NTRATI	ON UNITS:			
CAS NO) .	COMPO	DUND	(ug/L or	ug/Kg)	UG/L		Q	
106-46	5-7	1,4-Di	chlorobenze	en e		T	1	U	
95-50-		1 2-Di	chlorobenze	ene			1	U.	

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 TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E NO.
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Lab Name:	CAS/RO	OCH			Contract:	IT-Lath	am		P BLAI	AV.
Lab Code:	10145		Case No.:	R8-42409	SAS No	.:	S[DG No.:	MRFA	-INF
Matrix: (soil/v	vater)	WATER	₹		Lat	Sample	e ID:	1078641	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	· ,	V8239.D)	_
Level: (low/n	n ed)	LOW			Dat	e Recei	ved:	2/22/08		_
% Moisture: r	not dec.		,		Dat	e Analy:	zed:	2/29/08		_
GC Column:	DB-VF	RX_ID:	<u>0.18</u> (m	nm)	Dilu	ition Fac	ctor:	1.0		_
Soil Extract V	olume:		(uL)		Soil	l Aliquot	Volur	ne:		_ (uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG	<u>/L</u>			
CAS NO.		COMPO	NAN DNUC	ИE		RT	ES'	T. 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.:	R8-42409	SAS No	•	SDG No.:	MRFA-IN	١F
Matrix: (soil/w	vater)	WATE	₹		Lab	Sample ID): <u>1078643</u>	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V8255.D)	
Level: (low/m	ned)	LOW			Dat	e Received	l: <u>2/22/08</u>		
% Moisture: r	ot dec.				Dat	e Analyzed	: 3/3/08		
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	ım)	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	UW
75-00-3	Chloroethane Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	1	1.5
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	Ū
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	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS/RC	CH			Contract:	IT-Latham	_		
Lab Code:	10145		Case No.:	R8-42409	SAS No	.: s	DG No.:	MRFA-	INF
Matrix: (soil/w	vater)	WATE	₹		Lat	Sample ID:	1078643	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V8255.D)	
Level: (low/m	ned)	LOW			Dat	e Received:	2/22/08		
% Moisture: n	ot dec.		····		Dat	e Analyzed:	3/3/08		
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	m)	Dilu	tion Factor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me:		(uL)
				CON	CENTRAT	ON UNITS:			
CAS NO.	•	COM	IPOUND	(ug/L	or ug/Kg)	UG/L		Q	

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-chloroprop	oane	1 U
120-82-1	1,2,4-Trichlorobenzene	•	1 U
87-68-3	Hexachlorobutadiene		1 U
87-61-6	1,2,3-Trichlorobenzene		1 U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CAS NO		COMPOU	ND NAM	ΛE		RT	£S	ST. CON	ɔ. ˈ	Q
Number TICs	found:	0	nata		NCENTRAT L or ug/Kg)		JNITS: JG/L			
Soil Extract V	olum e :		_ (uL)		So	il Aliqu	ıot Volu	me:		_ (uL)
GC Column:	DB-VR	X ID: 0.	<u>18</u> (m	ım)	Dil	ution f	actor:	1.0		 .
% Moisture:	not dec.		•		Da	te Ana	alyzed:	3/3/08		_
Level: (low/n	n ed)	LOW	_		Da	te Re	ceived:	2/22/08		_
Sample wt/vo	ol:	25.0	(g/ml)	ML	_ Lai	File	ID:	V8255.C)	_
Matrix: (soil/v	vater)	WATER			La	Sam	ple ID:	1078643	3 1.0	
Lab Code:	10145	Ca	se No.:	R8-42409	SAS No	·.:	S	DG No.:	MRFA	-INF
Lab Name:	CAS/RC	OCH			Contract:	IT-La	atham			

2A WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

 Lab Name:
 CAS/ROCH
 Contract:
 IT-Latham

 Lab Code:
 10145
 Case No.:
 R8-42409
 SAS No.:
 SDG No.:
 MRFA-INF

	EPA	SMC1	TOT
	SAMPLE NO.	#	OUT
01	LCS01	98	0
02	VBLK01	94	0
03	TRIP BLANK	97	0
04	MRFA EFFL	94	0
05	MRFA-INFL	94	0
06	MRFA-DUPE A	96	0
07	MRFA-INFLMS	102	0
08	MRFA-INFLMSD	100	0
09	LCS02	99	0
10	VBLK02	97	0
11	MRFA-INFLDL	99	0
12	COOLER BLK	99	0
· - t			

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.: R8-42409 SAS No.: SDG No.: MRFA-INF

Matrix Spike - EPA Sample No LCS01

	SPIKE	SPIKE SAMPLE MS ADDED CONCENTRATION CONCENTRATION (ug/L) (ug/L) (ug/L)		MS %	QC LIMITS
COMPOUND				REC#	REC.
Vinyl Chloride	5.0	0.0	4.9	98	60 - 140
1,2-Dichloroethane	5.0	0.0	4.7	94	60 - 140
Carbon Tetrachloride	5.0	0.0	4.8	96	60 - 140
Benzene	5.0	0.0	4.8	96	60 - 140
Trichloroethene	5.0	0.0	4.8	96	60 - 140
1,2-Dichloropropane	5.0	0.0	4.9	98	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.9	98	60 - 140
1.1.2-Trichloroethane	5.0	0.0	4.8	96	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	4.8	96	60 - 140
Bromoform	5.0	0.0	5.2	104	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.1	102	60 - 140

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

Lab Name:	CAS/RC	CH			Contract:	IT-Latham	_	
Lab Code:	10145		Case No.:	R8-42409	SAS No.	.: S	DG No.:	MRFA-INF
Matrix: (soil/w	/ater)	WATE	R		Lab	Sample ID:	1084946	1.0
Sample wt/vo	ıl:	25.0	(g/ml)	ML	Lab	File ID:	V8236.D	
Level: (low/m	ned)	LOW			Dat	e Received:		
% Moisture: r	ot dec.				Dat	e Analyzed:	2/29/08	
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0	
Soil Extract V	olume: _		(uL)		Soil	Aliquot Volu	ıme:	(uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	2
74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	1
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	4	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	23	
75-15-0	Carbon Disulfide	23	
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	24	
74-97-5	Bromochloromethane	4	
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	25	
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	24	
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

EPA SAMPLE NO.

Lab Name:	CAS/RO	ОСН			Contract:	IT-Latham	LCS01	
Lab Code:	10145		Case No.:	R8-42409	SAS No	o.:S	DG No.: MRF	A-INF
Matrix: (soil/v	vater)	WATE	₹		Lal	Sample ID:	1084946 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	File ID:	V8236.D	
Level: (low/m	ned)	LOW			Da	te Received:		
% Moisture: r	ot dec.				Da	te Analyzed:	2/29/08	_
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 Volu	me:	(uL)

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

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-42409 SAS No.: SDG No.: MRFA-INF

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	4.8	96	60 - 140
Carbon Tetrachloride	5.0	0.0	4.8	96	60 - 140
Benzene	5.0	0.0	4.7	94	60 - 140
Trichloroethene	5.0	0.0	4.7	94	60 - 140
1,2-Dichloropropane	5.0	0.0	4.7	94	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.8	96	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.9	98	60 - 140
Tetrachloroethene	5.0	0.0	4.8	96	60 - 140
1.2-Dibromoethane	5.0	0.0	4.9	98	60 - 140
Bromoform	5.0	0.0	5.4	108	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name:	CAS/R	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-42409	SAS No	.: ;	SDG No.:	MRFA-INF
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	1084979	9 1.0
Sample wt/vo	ol:	25.0	(g/mi)	ML	Lat	File ID:	V8250.E)
Level: (low/n	ned)	LOW			Dat	e Received:	:	
% Moisture: r	not dec.				Dat	e Analyzed:	3/3/08	
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:	

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		5	
75-01-4	Vinyl Chloride		5	
74-83-9	Bromomethane		4	-
75-00-3	Chloroethane	Walter Control	5	
75-69-4	Trichlorofluorom	nethane	5	
75-35-4	1,1-Dichloroethe		5	
67-64-1	Acetone		1	J
75-15-0	Carbon Disulfide	9	1	Ū
75-09-2	Methylene Chlor	ride	5	
156-60-5	trans-1,2-Dichlo		5	
75-34-3	1,1-Dichloroetha	ine	5	
156-59-2	cis-1,2-Dichloroe		5	
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromet	hane	5	
67-66-3	Chloroform		5	
107-06-2	1,2-Dichloroetha	ne	5	
71-55-6	1,1,1-Trichloroet		5	
56-23-5	Carbon Tetrachle		5	1
71-43-2	Benzene		5	
79-01-6	Trichloroethene		5	
78-87 - 5	1,2-Dichloroprop	ane	5	
75-27-4	Bromodichlorome		5	+
10061-01-5	cis-1,3-Dichlorop		5	
108-10-1	4-Methyl-2-Penta		5	U
108-88-3	Toluene		5	†
10061-02-6	trans-1,3-Dichloro	propene	5	-
79-00-5	1,1,2-Trichloroeth		5	
127-18-4	Tetrachloroethen		5	
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochlorome	thane	5	
106-93-4	1,2-Dibromoethar		5	
108-90-7	Chlorobenzene		5	
100-41-4	Ethylbenzen e		5	
1330-20-7	(m+p) Xylene		10	
1330-20-7	o-Xylene		5	1
100-42-5	Styrene	· · · · · · · · · · · · · · · · · · ·	5	
79-34-5	1,1,2,2-Tetrachlore	nethane	5	
75-25-2	Bromoform	ocu larie	5	
73-23-2 541-73-1	1,3-Dichlorobenze	20	5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name:	CAS/RO	CH			Contract:	IT-Latham			
Lab Code:	10145	(Case No.:	R8-42409	SAS No	.:	SDG No.:	MRFA-	INF
Matrix: (soil/v	vater)	WATER			Lat	Sample ID:	1084979	9 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V8250.E)	
Level: (low/m	n ed)	LOW			Dat	te Received:			
% Moisture: r	not dec.				Dat	te Analyzed:	3/3/08		
GC Column:	DB-VR	X ID:	0.18 (m	m)	Dilu	ition Factor:	1.0		
Soil Extract V	olume: _		(uL)		Soil	l Aliquot Volu	ume:		(uL
				CON	CENTRAT	ION UNITS:			
CAS NO		COM	POUND	(ug/L	or ug/Kg)	UG/L		Q	

	(-9-2 0: 09.1.9)		~
106-46-7	1,4-Dichlorobenzene	5	
95-50-1	1,2-Dichlorobenzene	5	1
96-12-8	1,2-Dibromo-3-chloropropane	4	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	· · · · · · · · · · · · · · · · · · ·
87-61-6	1,2,3-Trichlorobenzene	5	

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Matrix Spike - EPA Sample No MRFA-INFL

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/ L)	(ug/L)	REC#	REC.
Vinyl Chloride	5.0	0.0	5.2	104	60 - 140
1,2-Dichloroethane	5.0	0.0	5.0	100	60 - 140
Carbon Tetrachloride	5.0	35	43	160 *	60 - 140
Benzene	5.0	0.0	5.2	104	60 - 140
Trichloroethene	5.0	58	66	160 *	60 - 140
1,2-Dichloropropane	5.0	0.0	5.1	102	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.9	98	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.1	102	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	5.2	104	60 - 140
Bromoform	5.0	0.0	5.5	110	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.1	102	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	0	30	60 - 140
1,2-Dichloroethane	5.0	5.1	102	2	30	60 - 140
Carbon Tetrachloride	5.0	39	80	67 *	30	60 - 140
Benzene	5.0	5.1	102	2	30	60 - 140
Trichloroethene	5.0	57	0 *	200 *	30	60 - 140
1,2-Dichloropropane	5.0	5.2	104	2	30	60 - 140
cis-1,3-Dichloropropene	5.0	5.0	100	2	30	60 - 140
1,1,2-Trichloroethane	5.0	5.1	102	0	30	60 - 140
Tetrachloroethene	5.0	5.0	100	0	30	60 - 140
1,2-Dibromoethane	5.0	5.1	102	2	30	60 - 140
Bromoform	5.0	5.7	114	4	30	60 - 140
1,4-Dichlorobenzene	5.0	5.2	104	2	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: 3 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA-INFLMS

Lab Name:	CAS/RC	OCH			Contract:	11-Latham	_		
Lab Code:	10145		Case No.:	R8-42409	SAS No	.: S	DG No.:	MRFA-I	NF
Matrix: (soil/v	water)	WATE	R		Lat	Sample ID:	1084954	1 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V8244.E	<u> </u>	
Level: (low/n	ned)	LOW			Dat	te Received:	2/22/08		
% Moisture:	not dec.				Dat	te Analyzed:	2/29/08		
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	me:		(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	5	
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	J
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	43	E
71-43-2	Benzene	5	
79-01-6	Trichloroethene	66	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	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	6	
106-93-4	1.2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-30-7	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	6	
1 U-LU-L	, 5,0,,0,0,,,,		

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MREA-INELMS

								INIT	74-114 E E II	/IO
Lab Name:	CAS/RC	OCH			Contract:	IT-L	atham	_	-	
Lab Code:	10145	Ca	se No.: R8	-42409	SAS N	o.:	s	DG No.:	MRFA-	INF
Matrix: (soil/	water)	WATER			La	b Sa	mple ID:	1084954	1 1.0	
Sample wt/v	ol:	25.0	(g/ml) M	L	La	b File	ID:	V8244.E)	
Level: (low/i	med)	LOW			Da	ate Re	eceived:	2/22/08		
% Moisture:	not dec.		_		Da	ate Ar	alyzed:	2/29/08		
GC Column:	DB-VF	X ID: 0.	18 (mm)		Di	lution	Factor:	1.0		
Soil Extract Volume:			(uL)		Sc	oil Alic	uot Volu	me:		(uL)
				CON	CENTRA	TION	UNITS:			
CAS NO) .	СОМР	OUND	(ug/L	or ug/Kg)	UG/L		Q	
106-40	6-7	1,4-D	ichlorobenz	en e				5		
95-50-		1,2-D	ichlorobenz	ene				5	1	
96-12-		1,2-D	ibromo-3-ch	loropro	pane			5		
120-82		1,2,4-	Trichlorobe	nzene				5		
87-68-		Hexad	chlorobutad	iene				4		
							1	_	ı	

1,2,3-Trichlorobenzene

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA-INFLMSD

Lab Name:	CAS/RO	OCH		Contract:	IT-Latham	_	
Lab Code:	10145		Case No.: R8-4240	9 SAS No	o.: S	SDG No.: MRFA-II	NF
Matrix: (soil/v	vater)	WATE	R	Lai	b Sample ID:	1084956 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lal	b File ID:	V8245.D	
Level: (low/n	ned)	LOW		Da	te Received:	2/22/08	
% Moisture: r	not dec.			Da	te Analyzed:	3/1/08	
GC Column:	DB-VI	RX ID:	<u>0.18</u> (mm)	Dili	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)	So	il Aliquot Vol	ume:	(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	Bromomethan e	5	
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	10	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	· · · · · · · · · · · · · · · · · · ·
56-23-5	Carbon Tetrachloride	39	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	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	6	
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	6	
541-73-1	1,3-Dichlorobenzene	5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CAS/RO	ACH.	Contract: IT-Latham	MRFA-INFLW	ISD
Lab Name: CAS/RO	СП	Contract. 11-Latriani	_ {	
Lab Code: 10145	Case No.: R8-42409	9 SAS No.: S	SDG No.: MRFA-	INF
Matrix: (soil/water)	WATER	Lab Sample ID:	1084956 1.0	
Sample wt/vol:	25.0 (g/ml) ML	Lab File ID:	V8245.D	
Level: (low/med)	LOW	Date Received:	2/22/08	
% Moisture: not dec.		Date Analyzed:	3/1/08	
GC Column: DB-VR	X ID: 0.18 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)	Soil Aliquot Volu	ume:	(uL)
	COI	NCENTRATION UNITS:		
CAS NO.	COMPOUND (ug/	L or ug/Kg) <u>UG/L</u>	Q	
106-46-7	1,4-Dichlorobenzene		5	
95-50-1	1,2-Dichlorobenzene		5	
96-12-8	1,2-Dibromo-3-chloropro	opane	5	
120-82-1	1,2,4-Trichlorobenzene		5	
87-68-3	Hexachlorobutadiene		4	

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.: R8-42409 SAS No.: _____ SDG No.: MRFA-INF

Lab File ID:

Lab Sample ID: 1084944 1.0

V8238.D

Date Analyzed: 2/29/08

Time Analyzed: 20:06

Heated Purge: (Y/N)

Ν

Instrument ID: GCMS#6

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS01	1084946 1.0	V8236.D	18:59
02	TRIP BLANK	1078641 1.0	V8239.D	20:42
03	MRFA EFFL	1078635 1.0	V8240.D	21:17
04	MRFA-INFL	1078633 1.0	V8241.D	21:53
05	MRFA-DUPE A	1078639 1.0	V8243.D	23:05
06	MRFA-INFLMS	1084954 1.0	V8244.D	23:40
07	MRFA-INFLMSD	1084956 1.0	V8245.D	0:16

COMMENTS

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK01

Lab Name:	CAS/RC	OCH		Contract:	IT-Latham	_	
Lab Code:	10145	Ca	ase No.: <u>R8-42409</u>	SAS No.	: s	DG No.: M	RFA-INF
Matrix: (soil/w	vater)	WATER		Lab	Sample ID:	1084944 1	.0
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab	File ID:	V8238.D	
Level: (low/m	ned)	LOW	_ _	Dat	e Received:		
% Moisture: r	not dec.			Dat	e Analyzed:	2/29/08	
GC Column:	DB-VF	RX ID: 0	.18 (mm)	Dily	tion Factor:	1.0	
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			1	U
75-01-4	Vinyl Chloride			1	U _i
74-83-9	Bromomethane			1	U
75-00-3	Chloroethane			1	U
75-69-4	Trichlorofluorom	ethan e		1	U
75-35-4	1,1-Dichloroethe	ne		1	U
67-64-1	Acetone			5	U
75-15-0	Carbon Disulfide			1	U
75-09-2	Methylene Chlor	ide		1	U
156-60-5	trans-1,2-Dichlor	oethene		1	U
75-34-3	1,1-Dichloroetha			1	U
156-59-2	cis-1,2-Dichloroe	thene		1	U
78-93-3	2-Butanone			5	U
74-97-5	Bromochloromet	hane		1	U
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroetha	ne		1	U
71-55-6	1,1,1-Trichloroet			1	U
56-23-5	Carbon Tetrachic			1	U
71-43-2	Benzene			1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloroprop	ane		11	U
75-27-4	Bromodichlorome			1	U
10061-01-5	cis-1,3-Dichlorop			11	U
108-10-1	4-Methyl-2-Penta	none		5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichlore	opropen e		1	U
79-00-5	1,1,2-Trichloroeth			1	U
127-18-4	Tetrachloroethen			1	U
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochlorome	ethane		1	U
106-93-4	1,2-Dibromoethai			1	U
108-90-7	Chlorobenzene			1	U
100-41-4	Ethylbenzen e			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-Tetrachlor	roethane		1	Ū
	Bromoform			1	Ü
75-25-2 541-73-1		1,3-Dichlorobenzene			Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

							į v	BLKUI	
Lab Name:	CAS/ROC	<u>H</u>			Contract:	IT-Latham	_ L		
Lab Code:	10145	_ Cas	se No.: R	8-42409	SAS No	o.: S	SDG No.:	MRFA-	NF
Matrix: (soil/wa	ater) <u>V</u>	VATER	_		Lai	b Sample ID:	108494	4 1.0	
Sample wt/vol:	2	5.0	(g/ml) <u>N</u>	1L	Lal	b File ID:	V8238.	<u> </u>	
Level: (low/me	ed) <u>L</u>	ow	_		Da	te Received:			
% Moisture: no	ot dec.				Da	te Analyzed:	2/29/08		
GC Column:	DB-VRX	ID: 0.1	8 (mm))	Dilu	ution Factor:	1.0		
Soil Extract Vo	lume:		_ (u L)		Soi	il Aliquot Volu	ıme:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO.		COMPO	UND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-7	7	1,4-Dic	chlorobenz	zen e			1	U	
95-50-1		1,2-Dic	chlorobenz	zene			1	U	
96-12-8		1,2-Dit	oromo-3-cl	hloroprop	ane		1	U	
120-82-1		1,2,4-7	richlorobe	enzene			1	U	
87-68-3		Hexac	hlorobutac	liene			11	U	
87-61-6		1,2,3-T	richlorobe	enzene			1	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1 1 Manage	C A C / D (ATIVEET IDEIN	Contr		IT-La	tham	v	BLK01	1
Lab Name:	CAS/RC	Ј СП		Conti	auı.	11-60		_		
Lab Code:	10145		Case No.: R8-	<u>42409</u> SA	S No	.:	s	DG No.:	MRFA	4-INF
Matrix: (soil/v	vater)	WATER	₹		Lat	Sam	ple I D:	1084944	11.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>		Lat	File I	D:	V8238.E)	
Level: (low/n	ned)	LOW	namenta de la companya de la company		Dat	e Rec	eived:			_
% Moisture:	not dec.				Dat	e Ana	lyzed:	2/29/08		
GC Column:	DB-VF	RX ID:	0.18 (mm)		Dilu	ıtion F	actor:	1.0		_
Soil Extract V	/olume:		(uL)		Soi	l Aliqu	ot Volu	me:		_ (uL)
				CONCENT	RAT	ION L	INITS:			
Number TICs	found:	0		(ug/L or ug	/Kg)		JG/L			
CAS NO		COMP	OUND NAME			RT	ES	ST. CON) 5.	Q

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R8-42409

SAS No.: SDG No.: MRFA-INF

Lab File ID:

V8252.D

Lab Sample ID: 1084978 1.0

Date Analyzed: 3/3/08

Time Analyzed: 13:12

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 IÐ	TIME ANALYZ E D
01	LCS02	1084979 1.0	V8250.D	12:01
02	MRFA-INFLDL	1078633 2.5	V8254.D	14:24
03	COOLER BLK	1078643 1.0	V8255.D	14:55

COMMENTS

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name:	CAS/RC	OCH			Contract:	IT-Latham	_		
Lab Code:	10145	(Case No.:	R8-42409	SAS No	.:	SDG No.:	MRFA-II	NF
Matrix: (soil/v	vater)	WATER			Lab	Sample ID	: 1084978	3 1.0	
Sample wt/vo	oi:	25.0	(g/mi)	ML	Lab	File ID:	V8252.E)	
Level: (low/m	ned)	LOW			Dat	e Received	:		
% Moisture: r	not dec.				Dat	e Analyzed	3/3/08		
GC Column:	DB-VR	X ID:	0.18 (m	m)	Dilu	ition Factor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	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	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		11	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	J
71-43-2	Benzene		1	J
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	Ū
79-34-5	1,1,2,2-Tetrachloroethane		1	Ü
75-25 - 2	Bromoform		1	Ū
541-73-1	1,3-Dichlorobenzene		1	U

1A **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO.

VBLK02 Contract: IT-Latham Lab Name: CAS/ROCH Case No.: R8-42409 SAS No.: SDG No.: MRFA-INF Lab Code: 10145 WATER Lab Sample ID: 1084978 1.0 Matrix: (soil/water) 25.0 (g/ml) ML Sample wt/vol: Lab File ID: V8252.D LOW Date Received: Level: (low/med) Date Analyzed: 3/3/08 % Moisture: not dec. GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 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-Dichloroben	zene		1	U
95-50-1	1,2-Dichloroben		1	U	
96-12-8	1,2-Dibromo-3-c	hloropropane		1	U
120-82-1	1,2,4-Trichlorob	enz ene		1	U
87-68-3	Hexachlorobuta	diene		1	U
87-61-6	87-61-6 1.2.3-Trichlorobenzene				U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

		1 600.1 4 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				l		. 1
Lab Name:	CAS/R	ОСН		Contract:	IT-Lath	nam		BLK02	!
Lab Code:	10145		Case No.: R8-4	2409 SAS No	.:	SD	G No.:	MRFA	-INF
Matrix: (soil/	water)	WATE	R	Lat	Sampl	e ID: 1	084978	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	File ID	: \(\)	/8252.C)	
Level: (low/r	m ed)	LOW		Dat	e Rece	ived: _			
% Moisture:	not d ec .			Dat	e Analy	zed: 3	/3/08		
GC Column:	DB-VF	RX ID:	<u>0.18</u> (mm)	Dilu	ition Fa	ctor: 1	.0		_
Soil Extract V	/olume:		(uL)	Soi	Aliquo	Volum	e:	·	_ (uL)
				CONCENTRAT	ION UN	IITS:			
Number TICs	s found:	0		(ug/L or ug/Kg)	UG	6/L			
CAS NO.		СОМР	OUND NAME		RT	EST	. CONC).).	Q

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH			Contract:	IT-Latham			
Lab Code:	10145	Case No.:	R8-42409	SAS No	·.:	SDG N	lo.: MRFA-INF	٠
Lab File ID:	V8228.D			BF	B Injection [Dat e :	2/29/08	
Instrument ID	: GCMS#6			BF	B Injection	Γime:	12:25	-
GC Column:	DB-VRX II	D: <u>0.18</u>	(mm)	He	ated Purge:	(Y/N)	N	

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	ABUNDANCE
50	8.0 - 40.0% of mass 95	19.0
75	30.0 - 66.0% of mass 95	47.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	93.6
175	4.0 - 9.0% of mass 174	7.2 (7.7)1
176	93.0 - 101.0% of mass 174	91.6 (97.8)1
177	5.0 - 9.0% of mass 176	7.4 (8.1)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
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
01	VSTD001 / 005	VSTD001 / 005	V8230.D	2/29/08	14:39
02	VSTD002 / 010	VSTD002 / 010	V8231.D	2/29/08	15:15
03	VSTD005 / 025	VSTD005 / 025	V8232.D	2/29/08	15:55
04	VSTD010 / 050	VSTD010 / 050	V8233.D	2/29/08	16:50
05	VSTD025 / 125	VSTD025 / 125	V8234.D	2/29/08	17:58
-06	LCS01	1084946 1.0	V8236.D	2/29/08	18:59
07	VBLK01	1084944 1.0	V8238.D	2/29/08	20:06
08	TRIP BLANK	1078641 1.0	V8239.D	2/29/08	20:42
09	MRFA EFFL	1078635 1.0	V8240.D	2/29/08	21:17
10	MRFA-INFL	1078633 1.0	V8241.D	2/29/08	21:53
11	MRFA-DUPE A	1078639 1.0	V8243.D	2/29/08	23:05
12	MRFA-INFLMS	1084954 1.0	V8244.D	2/29/08	23:40
13	MRFA-INFLMSD	1084956 1.0	V8245.D	3/1/08	0:16

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH			Contract:	IT-Latham			
Lab Code:	10145	Case No.:	R8-42409	SAS No		SDG N	No.: MRFA-INF	•
Lab File ID:	V8248.D	·		BF	B Injection I	Date:	3/3/08	
Instrument ID	: GCMS#6			BF	B Injection	Time:	10:28	
GC Column:	DB-VRX I	D: <u>0.18</u>	(mm)	Hea	ated Purge:	(Y/N)	N	

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA ABUNI 8.0 - 40.0% of mass 95 15.7 30.0 - 66.0% of mass 95 47.4 Base peak, 100% relative abundance 100.0 5.0 - 9.0% of mass 95 5.8 Less than 2.0% of mass 174 0.2 50.0 - 120.0% of mass 95 93.3 4.0 - 9.0% of mass 174 7.3	ABUNDANCE
50	8.0 - 40.0% of mass 95	15.7
75	30.0 - 66.0% of mass 95	47.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.8
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	50.0 - 120.0% of mass 95	93.3
175	4.0 - 9.0% of mass 174	7.3 (7.8)1
176	93.0 - 101.0% of mass 174	90.6 (97.0)1
177	5.0 - 9.0% of mass 176	5.9 (6.5)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	VSTD #2	VSTD #2	V8249.D	3/3/08	11:12
02	LCS02	1084979 1.0	V8250.D	3/3/08	12:01
03	VBLK02	1084978 1.0	V8252.D	3/3/08	13:12
04	MRFA-INFLDL	1078633 2.5	V8254.D	3/3/08	14:24
05	COOLER BLK	1078643 1.0	V8255.D	3/3/08	14:55

8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

 Lab Name:
 CAS/ROCH
 Contract:
 IT-Latham

 Lab Code:
 10145
 Case No.:
 R8-42409
 SAS No.:
 SDG No.:
 MRFA-INF

 Lab File ID (Standard):
 V8249.D
 Date Analyzed:
 3/3/08

Instrument ID: GCMS#6 Time Analyzed: 11:12

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

	IS1		IS2		IS3	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	641788	5.73	531651	8.74	255079	10.81
UPPER LIMIT	1283576	6.23	1063302	9.24	510158	11.31
LOWER LIMIT	320894	5.23	265826	8.24	127540	10.31
EPA SAMPLE			-			
NO.						
LCS02	650881	5.73	537663	8.74	250593	10.81
VBLK02	634020	5.73	534543	8.74	246421	10.81
MRFA-INFLDL	620463	5.73	525396	8.74	250995	10.81
COOLER BLK	600805	5.73	513719	8.74	242664	10.81

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

Contract: IT-Latham CAS/ROCH Lab Name: SAS No.: SDG No.: MRFA-INF Case No.: R8-42409 Lab Code: 10145 Date Analyzed: 2/29/08 V8232.D Lab File ID (Standard): Time Analyzed: 15:55 Instrument ID: GCMS#6 Heated Purge: (Y/N) Ν ID: 0.18 GC Column: DB-VRX (mm)

	10	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	546364	5.73	462551	8.74	223267	10.81
	UPPER LIMIT	1092728	6.23	925102	9.24	446534	11.31
	LOWER LIMIT	273182	5.23	231276	8.24	111634	10.31
	EPA SAMPLE						
	NO.						
01	LCS01	588637	5.73	493819	8.74	235901	10.81
02	VBLK01	577199	5.73	481083	8.74	225637	10.81
03	TRIP BLANK	566319	5.73	471227	8.74	227174	10.81
04	MRFA EFFL	571969	5.73	471626	8.74	221838	10.81
05	MRFA-INFL	562762	5.73	477222	8.74	226333	10.81
06	MRFA-DUPE A	550918	5.73	472831	8.74	224630	10.81
07	MRFA-INFLMS	562778	5.73	482220	8.74	233364	10.81
08	MRFA-INFLMSD	570220	5.73	491714	8.74	240203	10.81

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
(MAY 14 AND 15, 2008)
AND
LABORATORY DATA, INFLUENT/EFFLUENT WATER
SAMPLES (MAY 14, 2008)



June 17, 2008

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

Re: GE - MRFA

Submission # R2843894 SDG # MRFA-INFLUENT

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of seventeen water samples and one trip blank were received by our laboratory on May 15-16, 2008.

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 # : R2843894

Project Manager : Carlton Beechler

Reported : 06/12/08

Report Contains a total of \mathcal{A} 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 #: R2843894

Page 1 of 2

Shaw samples were sampled on 5/14-15/08 and received at CAS on 5/15-16/08 in good condition and within 1-6 degrees C.

VOLATILE ORGANICS

Fifteen water samples and one trip blank were analyzed for Low Level Volatiles by OLC2.1 CLP methodology. A cooler blank was added to the SDG upon receipt.

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 samples INFLUENT and M27D as requested. 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 and Trichloroethene were detected in sample INFLUENT outside the calibration range of the instrument and are flagged with an "E". The sample was reanalyzed at dilution to bring the over-range compounds within the calibration range of the instrument. Both sets of data are reported.

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

The Cooler Blank and Trip Blanks associated with these samples were free of contamination with the exception of a low level hit of Acetone in the Trip Blank, and low level hits of Acetone, Chloroform, 1,2,4-Trichlorobenzene, Hexachlorobutadiene and 1,2,3-Trichlorobenzene in the Cooler Blank.

All samples were analyzed within CLP holding times.

No analytical or QC problems were encountered.

CASE NARRATIVE

COMPANY: Shaw Environmental GE MRFA Project #810066 SUBMISSION #: R2843894

Page 2 of 2

INORGANICS

Three water samples were analyzed for Total and Hexavalent Chromium. Please see attached data pages for method numbers.

Site specific QC was performed on sample M27D as requested. The Matrix Spike, Blank Spike and Laboratory Control Sample recoveries were within acceptable limits. The Relative Percent Difference (RPD) between the duplicate analysis 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:

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

ODG#:10/428/							
10001				האלו הראלו האלו האלו האלו האלו האלו האלו האלו ה			
SUBMISSION R2843894	DISKELL	E REQUESTED: Y_X N		DATE DUE: 6/6/08	9/08		
Shaw Environmental	DATE: 5/23/08	23/08		PROTOCOL OLC2.1	LC2.1		
CLIENT REP: Carlton Beechler	CUSTOD	CUSTODY SEAL: PRESENT/ABSENT:		SHIPPING No.:	٠:		
GE MRFA PROJECT #810066	CHAIN O	CHAIN OF CUSTODY: PRESENT/ABSENT:					
CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE PH RECEIVED (SOLIDS)		SOLIDS %	% REMARKS SOLIDS AMPLE CONDITION
DUPE A	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
INFLUENT	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
EFFLUENT	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
M-29D	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
M-24D	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
M-11D	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
M-33S	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
M-33D	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
TRIP BLANK	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
COOLER BLANK	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
13D	WATER	CR,CR6	5/14/2008	5/15/2008			
M27D	WATER	OLC2.1VOA,CR,CR6	5/14/2008	5/15/2008			
14D	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
DUPE B	WATER	CR,CR6	5/14/2008	5/15/2008			
M-25D	WATER	OLC2.1VOA	5/15/2008	5/16/2008			
4D	WATER	OLC2.1VOA	5/15/2008	5/16/2008			
DGC-3S	WATER	OLC2.1VOA	5/15/2008	5/16/2008			
DGC-4S	WATER	OLC2.1VOA	5/15/2008	5/16/2008			
- Andrews							
The second secon							







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

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved

Nebraska Accredited New Jersey ID # NY004 New York ID # 10145 New Hampshire ID # 294100 A/B Pennsylvania ID # 68-786 Rhode Island ID # 158 West Virginia ID # 292

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 248-5380 • 800-695-7222 x11 • FAX385) 288-8475 PAGE

Columbia
Analytical
Services**

Contact Consumy

R

CAS Contact

SR#

Preservative Key 0. NONE HNO3 H2SO4 NãOH Zn. Acetate MeOH REMARKS/ ALTERNATE DESCRIPTION INVOICE INFORMATION NaHSO₄ Other SUBMISSION #: ANALYSIS REQUESTED (Include Method Number and Container Preservative) Printed Name Date/Time BILL TO: Fig IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report ક X II. Results + QC Summaries (LCS, DUP, MS/MSD as required) REPORT REQUIREMENTS III. Results + QC and Calibration RELINQUISHED BY 1. Results Only Printed Name METALS, TOTAL
METALS, DISSOLVED
METALS, DISSOLVED
(List in comments below) Date/Time TURNAROUND REQUIREMENTS 5 day RUSH (SURCHARGES APPLY) REQUESTED REPORT DATE REQUESTED FAX DATE STANDARD 24 hr Printed Name DYQd Signature Date/Time PRESERVATIVE CLP OLC 2.1 VOAs plus Hexachlorobutadione, CUSTODY SEALS: Y NUMBER OF CONTAINERS RELINQUISHED BY MATRIX Steve Meier, Judy Harry <u>ک</u> 1 25 1 55 1255 9 42 <u>a</u> む 910 1055 1233 (518) 783-8397 SAMPLING DATE TIM Date/Time 810066 5/14/68 1,2,3 Enchlorobenzene and ŧ Shaw Environmental, Inc American Blud pool 801 trichloro fluoromethane FOR OFFICE USE ONLY LAB ID 12110 Project Number SAMPLE RECEIPT: CONDITION/COOLER TEMP. $\frac{1}{2}$ 13 British To Hoent MS/MS 9661-884 (815) 1600 Neumann SPECIAL INSTRUCTIONS/COMMENTS Latham, **CLIENT SAMPLE ID** MRKA Trip Blank Flanagan M-33D M - 335 E Aluent Dupe A M.29D Influent M-24D M- HD Date/Time 5/14/08 Shaw 3 See OAPP Sampler's Signature www.castab.com Company/Address Project Manager Project Name

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

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Preservative Key
0. NONE
2. HNCL
2. HNC3
3. H-SC04
4. NaOH
5. Zn. Acetate
6. MeOH
7. NaHSO4 HNO3 H2SO4 NaOH Zn. Acetate MeOH NaHSO4 REMARKS/ ALTERNATE DESCRIPTION INVOICE INFORMATION Other 70£ ANALYSIS REQUESTED (Include Method Number and Container Preservative) SUBMISSION #: Ş Printed Name Date/Time Signature BILL TO: Firm # IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata Yes No II. Results + QC Summaries (LCS, DUP, MS/MSD as required) REPORT REQUIREMENTS III. Results + QC and Calibration RELINQUISHED BY I. Results Only લ Printed Name CLIST IN COMMENSE DEIOW)

(LIST IN COMMENSE DEIOW) Date/Time × TURNAROUND REQUIREMENTS **PUSH** (SURCHARGES APPLY) RECEIVED BY REQUESTED REPORT DATE REQUESTED FAX DATE STANDARD 10000 Printed Name Date/Time 8. NOV 8. NOV 8. NOV 9. 10 D. THE STATE OF THE S PRESERVATIVE Herachlorobutadiene, 1,2,2 trichlorobenzene. or mare flehagan and Jostob CUSTODY SEALS: Y N NUMBER OF CONTAINERS 3 RELINQUISHED BY MATRIX SWE Badded to colas 5/4/68 1405 1510 and trichloro Avoromethane Date/Time Signature SAMPLING Marc Flanagan DATE 618 01.C 2.1 VOAS plus 14/08/1000 Sampler's Printed Name FOR OFFICE USE ONLY LAB ID Project Number Report CC FAX# SAMPLE RECEIPT: CONDITION/COLER TEMP: Z V S Ma70 (HS/MS) 30.71 SPECIAL INSTRUCTIONS/COMMENTS NUPBE CLIENT SAMPLE ID Printed Name Flanagan RELINQUISHED BY Ma7 D OH! 130 Sampler's Signature See OAPP Company/Address Project Manager Project Name Phone #

Leid Hely m.lool 3/15/05 1000

Cooler Receipt And Preservation Check Form _Submission Number_KQ Project/Client Cooler received on 5/15/05 by: 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? NO N/A 4. NO Were Ice or Ice packs present? 5. CAS/ROC CLIENT Where did the bottles originate? 6. Temperature of cooler(s) upon receipt: 7. Yes Is the temperature within 0° - 6° C?: Yes Yes Yes No No No No If No, Explain Below Date/Time Temperatures Taken: Reading From: Temp Blank / Sample Bottle Thermometer ID: 161 / IR GUN#2 / IR GUN#3) If out of Temperature, note packing/ice condition, Client Approval to Run Samples:_ PC Secondary Review: 5/15/08 Cooler Breakdown: Date: 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? YES NO 3. N/A Tedlar® Bags Inflated Air Samples: Cassettes / Tubes Intact Canisters Pressurized 4. Explain any discrepancies: _ Final Yes = AllLot Added Vol. Sample ID Lot Received Exp Reagent pН pН Added samples OK NO NaOH ≥12 No = HNO₁ ≤2 Samples H₂SO₄ <2 were If present, contact PM to preserved at For TCN Residual add ascorbic acid lab as listed and Chlorine Phenol (-) *Not to be tested before analysis - pH PM OK to Na₂S₂O₃ tested and recorded by VOAs or GenChem Adjust: _ Zn Aceta on a separate worksheet 04/09 HCl Bottle lot numbers: 8-037-00]

Other Comments:

*significant air bubbles are greater than 5-6 mm

60009

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Columbia Analytical Services ***

SR#

CAS Contact

REMARKS/ ALTERNATE DESCRIPTION MeOH NaHSO₄ INVOICE INFORMATION Other 0-264566 ANALYSIS REQUESTED (Include Method Number and Container Preservative) Printed Name Date/Time IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report II. Results + QC Summaries (LCS, DUP, MS/MSD as required) REPORT REQUIREMENTS III. Results + QC and Calibration 1. Results Only Edata Printed Name Date/Time 5 day TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) RECEIVED BY REQUESTED REPORT DATE REQUESTED FAX DATE X STANDARD Printed Name Signature PRESERVATIVE z Metals CLP OLC 2.1 YOAS plas Hexachlorsbutadiene CUSTODY SEALS: Y NUMBER OF CONTAINERS RELINGUISHED BY MATRIX Flowagan and 5/16/03 Steve Meler, Judy Harry 12110 FAX# (518) 783 - 8397 4756 1000 3 SAMPLING DATE TIME 5-15-08 830 Date/Time 810066 Sampler's Printed Name, 1,2,3 trichlorobenzene and asper/1020 trichloro fluoromethana 13 Butish American Blood , BARTIAN FOR OFFICE USE ONLY LAB ID Show Enviconmental RECEIVED BY Project Number SAMPLE RECEIPT: CONDITION/COOLER TEMP: Latham, NY Brian Newmann (518) 783-1996 SPECIAL INSTRUCTIONS/COMMENTS Date/Time 5/15/08 1600 **CLIENT SAMPLE ID** Printed James Flanagan トルックロ RELINQUISHED BY 066- 35 DGC- 45 Signature //// Sampler's Signature See QAPP Company/Address

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

Cooler Receipt And Preservation Check Form

Project	/Client	5100	(W)		Sub	mission Nun	nber <u>Ro</u>	1-43892	<u>.</u> .	
Cooler	received on	5-15	<u>-06</u> by:		COURI	ER: CAS	UPS	FEDEX	VELOCI'	TY CLIENT
1. 2. 3. 4. 5. 6. 7.	Were custod Were custod Did all bott Did any VC Were Ice of Where did to Temperatur	dy papeles arri A vial Ice part The bot	ers proper ve in good ls have sig acks prese tles origin	rly filled ou d condition gnificant* a ent? nate?	nt (ink, s (unbrol air bubbl	igned, etc.)? ken)? es?	(YES YES YES YES CAS/RO	NO NO NO NO NO OC, CLIE	N/A ENT
	Is the temper	erature	within 0°	' - 6° C?:	(Ye	s Yes		Yes	Yes	Yes
	If No, Exp	lain Be	elow	(_ No	No		No	No	No
	Date/Time	Tempe	eratures Ta	aken:	D-15	-08 6		127		
	Thermome	er ID:	161 / IR	R GUN#2	IR GU	N#3 Rea	ding Fro	m: Temp	Blank (Sample Bottle
If out	of Tempera	ture, r	10te pack	ing/ice cor	dition,	Client App	roval to	Run Sam	ples:	
PC Secondaria 1. 2. 3. 4.	 Did all bottle labels and tags agree with custody papers? Were correct containers used for the tests indicated? Air Samples: Cassettes / Tubes Intact Canisters Pressurized Explain any discrepancies: 									
								7	F:1	37 A 11
pН	Reagent	YES 1	Lot	Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH	Yes = All samples OK
≥12	NaOH	YES 1	I	Received	Exp	Sample ID	1	Lot Addec		samples OK
≥12 ≤2	NaOH - HNO ₃	YES 1	I	Received	Exp	Sample ID	1	Lot Added		samples OK No = Samples
≥12	NaOH - HNO ₃ - H ₂ SO ₄ al For TCN	YES	If pres	sent, contact			Added		pH	samples OK No = Samples were preserved at lab as listed
≥12 ≤2 ≤2 Residu Chlorir	NaOH - HNO ₃ - H ₂ SO ₄ al For TCN ne and	YES 1	If pres	sent, contact scorbic acid		*Not to be to tested and re on a separate	Added Added Added	re analysis -	- pH	samples OK No = Samples were preserved at
≥12 ≤2 ≤2 Residu Chlorir (-)	NaOH HNO ₃ H ₂ SO ₄ al For TCN ne and Phenol Na ₂ S ₂ O ₃ Zn Aceta HCl	*	If pres add as	sent, contact scorbic acid	PM to	*Not to be to tested and re on a separate	Added ested before corded by workshe	re analysis - VOAs or C	pH - pH GenChem	samples OK No = Samples were preserved at lab as listed PM OK to

2A WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-43894 SAS No.: SDG No.: 1074297

	EPA	SMC1	TOT
	SAMPLE NO.	#	OUT
01	LCS01	101	0
02	VBLK01	90	0
03	EFFLUENT	91	0
04		88	0
05	M-24D	90	0
06	INFLUENT	90	0
07	INFLUENTMS	101	0
08	INFLUENTMSD	102	0
09	LCS02	102	0
10	VBLK02	91	0
11	M-11D	89	0
12	M-33S	90	0
13	M-33D	90	0
14	DUPE A	93	0
15	TRIP BLANK	91	0
16	M27D	88	0
17	14D	90	0
18	4D	93	0
19	DGC-3S	90	0
20	DGC-4S	93	0
21	M-25D	90	0
22	INFLUENTDL	91	0
23	DGC-3SMS	102	0
24	DGC-3SMSD	102	0
25[COOLER BLK	90	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.: R8-43894 SAS No.: SDG No.: 1074297

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	5.6	112	60 - 140
1,2-Dichloroethane	5.0	0.0	5.3	106	60 - 140
Carbon Tetrachloride	5.0	0.0	5.0	100	60 - 140
Benzene	5.0	0.0	4.9	98	60 - 140
Trichloroethene	5.0	0.0	4.9	98	60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	104	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.1	102	60 - 140
1,1,2-Trichloroethane	5.0	0.0	4.7	94	60 - 140
Tetrachloroethene	5.0	0.0	5.1	102	60 - 140
1,2-Dibromoethane	5.0	0.0	4.8	96	60 - 140
Bromoform	5.0	0.0	5.3	106	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.2	104	60 - 140

COMMENTS:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

Lab Code: 10145 Case No.: R8-43894 SAS No.: SDG No.: 1074297 Matrix: (soil/water) WATER Lab Sample ID: 1107806 1.0 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V9655.D Level: (low/med) LOW Date Received: Date Analyzed: 5/22/08 % Moisture: not dec. Date Analyzed: 5/22/08 Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (ull)	Lab Name:	CAS/RC	OCH	··-	·····	Contract:	IT-Latham	_		
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V9655.D Level: (low/med) LOW Date Received: % Moisture: not dec. Date Analyzed: 5/22/08 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0	Lab Code:	10145	Ca	se No.:	R8-43894	SAS No	.: \$	SDG No.:	1074297	7
Level: (low/med) LOW Date Received: % Moisture: not dec. Date Analyzed: 5/22/08 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0	Matrix: (soil/v	vater)	WATER	_		Lat	Sample ID:	1107806	3 1.0	
% Moisture: not dec. Date Analyzed: 5/22/08 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0	Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lat	File ID:	V9655.E)	
GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0	Level: (low/n	ned)	LOW			Dat	te Received:			
	% Moisture: r	not dec.				Dat	te Analyzed:	5/22/08		
Soil Extract Volume: (uL) Soil Aliquot Volume: (u	GC Column:	DB-VF	X ID: 0.	<u>18</u> (m	nm)	Dilu	ution Factor:	1.0		
	Soil Extract V	olume:		_ (uL)		Soil	l Aliquot Vol	ume:		(uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	6	
75-01-4	Vinyl Chloride	6	
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	24	
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	25	•
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	25	
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	24	
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

Lab Name:	CAS/RC	OCH_			Contract:	IT-Latham		LCSUI	
Lab Code:	10145		Case No.:	R8-43894	SAS No	.: S	DG No.:	107429	97
Matrix: (soil/	water)	WATER			Lat	Sample ID:	1107806	3 1.O	
Sample wt/vol:		25.0	(g/ml)	ML	Lab	File ID:	V9655.E)	
Level: (low/med) L		LOW			Dat	te Received:			
% Moisture: not dec.					Dat	e Analyzed:	5/22/08		
GC Column:	DB-VR	X ID: (<u>).18</u> (m	ım)	Dilu	ition Factor:	1.0		
Soil Extract V	/olume: _		(uL)		Soil	Aliquot Volu	me:		(uL)
				CON	ICENTRAT	ION UNITS:			
CAS NO) ,	COM	POUND	(ug/L	. or ug/Kg)	UG/L		Q	
106-46	-7	1,4-1	Dichlorobe	enzene			5		

106-46-7	1.4 Dioblorobonnes	
100-40-7	1,4-Dichlorobenzene	5
95-50-1	1,2-Dichlorobenzene	5
96-12-8	1,2-Dibromo-3-chloropropane	5
120-82-1	1,2,4-Trichlorobenzene	5
87-68-3	Hexachlorobutadiene	5
87-61-6	1,2,3-Trichlorobenzene	5

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH

Contract: IT-Latham

Lab Code:

10145 Case No.: R8-43894 SAS No.: SDG No.: 1074297

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	5.4	108	60 - 140
1,2-Dichloroethane	5.0	0.0	4.8	96	60 - 140
Carbon Tetrachloride	5.0	0.0	4.8	96	60 - 140
Benzene	5.0	0.0	4.8	96	60 - 140
Trichloroethene	5.0	0.0	4.9	98	60 - 140
1,2-Dichloropropane	5.0	0.0	4.9	98	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.8	96	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.0	100	60 - 140
Tetrachloroethene	5.0	0.0	4.8	96	60 - 140
1,2-Dibromoethane	5.0	0.0	4.8	96	60 - 140
Bromoform	5.0	0.0	4.8	96	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.8	96	60 - 140

COMMENTS:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name:	CAS/RC	OCH			Contract:	IT-Latham	_	
Lab Code:	10145		Case No.:	R8-43894	SAS No.	.: s	SDG No.: 10742	297
Matrix: (soil/v	vater)	WATER	<u> </u>		Lab	Sample ID:	1108028 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V9668.D	
Level: (low/n	ned)	LOW			Dat	e Received:		
% Moisture: r	not dec.				Dat	e Analyzed:	5/23/08	_
GC Column:	DB-VF	X ID:	0.18 (m	ım)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:	··	(uL)		Soil	Aliquot Volu	ıme:	_ (uL

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

									LCSUZ	i
Lab Name:	CAS/RC	CH		(Contract:	IT-Latha	am			
Lab Code:	10145	Cas	se No.: <u>R8</u>	-43894	SAS No).:	_ SC	G No.:	107429	7
Matrix: (soil/v	water)	WATER	_		Lat	Sample	ID:	1108028	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>M</u>	L	Lat	File ID:	1	V9668.E)	
Level: (low/n	ned)	LOW	_		Dat	te Receiv	ed:			
% Moisture: ı	not dec.				Dat	te Analyz	ed:	5/23/08		
GC Column:	DB-VR	X ID: <u>0.1</u>	8 (mm)		Dilu	ution Fac	tor:	1.0		
Soil Extract V	/olume: _		_ (uL)		Soi	i Aliquot	Volum	ne:		(uL)
				CONC	ENTRAT	ION UNI	TS:			
CAS NO).	COMPO	DUND	(ug/L d	or ug/Kg)	UG/	<u>L</u>		Q	
106-46	j - 7	1,4-Dic	chlorobenz	en e				5		
95-50-	1	1,2-Did	chlorobenze	ene				5		
96-12-8	В		oromo-3-ch		ane			4		
120-82	-1		richlorobe					5		
87-68-3	3	Hexac	hlorobutadi	ene				5		

1,2,3-Trichlorobenzene

87-61-6

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-43894 SAS No.: SDG No.: 1074297

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	6.2	124	60 - 140
1,2-Dichloroethane	5.0	0.0	5.6	112	60 - 140
Carbon Tetrachloride	5.0	27	32	100	60 - 140
Benzene	5.0	0.0	5.3	106	60 - 140
Trichloroethene	5.0	46	50	80	60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	104	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.1	102	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	5.2	104	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
Bromoform	5.0	0.0	5.2	104	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.1	102	60 - 140

	SPIKE	MSD	MSD				
	ADDED	CONCENTRATION	%	%	QC L	QC LIMITS	
COMPOUND	(ug/L)	(ug/L) (ug/L)		RPD#	RPD	REC.	
Vinyl Chloride	5.0	6.2	124	0	30	60 - 140	
1,2-Dichloroethane	5.0	5.3	106	6	30	60 - 140	
Carbon Tetrachloride	5.0	31	80	22	30	60 - 140	
Benzene	5.0	5.1	102	4	30	60 - 140	
Trichloroethene	5.0	49	60	29	30	60 - 140	
1,2-Dichloropropane	5.0	5.1	102	2	30	60 - 140	
cis-1,3-Dichloropropene	5.0	4.8	96	6	30	60 - 140	
1,1,2-Trichloroethane	5.0	4.7	94	10	30	60 - 140	
Tetrachloroethene	5.0	4.9	98	6	30	60 - 140	
1,2-Dibromoethane	5.0	4.7	94	6	30	60 - 140	
Bromoform	5.0	5.2	104	0	30	60 - 140	
1,4-Dichlorobenzene	5.0	5.3	106	4	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

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMS

Lab Name:	CAS/R	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-43894	SAS No	.: S	SDG No.: 107429	 7
Matrix: (soil/v	vater)	WATER	₹		Lat	Sample ID:	1107807 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V9662.D	
Level: (low/m	ned)	LOW			Dat	e Received:	5/15/08	
% Moisture: r	not dec.				Dat	e Analyzed:	5/23/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	m)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme:	(uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		7	I
75-01-4	Vinyl Chloride		6	
74-83-9	Bromomethane		5	
75-00-3	Chloroethane		5	
75-69-4	Trichlorofluorom	ethane	5	
75-35-4	1,1-Dichloroethe		6	
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide)	1	Ü
75-09-2	Methylene Chlor	ide	5	
156-60-5	trans-1,2-Dichlor	oethene	5	
75-34-3	1,1-Dichloroetha		6	
156-59-2	cis-1,2-Dichloroe	thene	5	
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromet	hane	5	
67-66-3	Chloroform		10	
107-06-2	1,2-Dichloroetha	ne	6	
71-55-6	1,1,1-Trichloroet		5	
56-23-5	Carbon Tetrachlo		32	E
71-43-2	Benzene		5	<u> </u>
79-01-6	Trichloroethene		50	E
78-87-5	1,2-Dichloropropa	ane	5	
75-27-4	Bromodichlorome		5	
10061-01-5	cis-1,3-Dichloropi	opene	5	
108-10-1	4-Methyl-2-Penta		5	U
108-88-3	Toluene		5	
10061-02-6	trans-1,3-Dichloro	propene	5	···
79-00-5	1,1,2-Trichloroeth		5	
127-18-4	Tetrachloroethene		5	
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochlorome	thane	5	
106-93-4	1,2-Dibromoethan		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			
79-34-5	1,1,2,2-Tetrachloro	ethane	5	
75-25-2	Bromoform	<u>reu iai le</u>	5	
541-73-1	1,3-Dichlorobenzer	30	5 5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

								I INFL	LUENTN	IS I
Lab Name:	CAS/RC	OCH			Contract:	IT-Lath	am			
Lab Code:	10145	Cas	se No.:	R8-43894	SAS No).:	SE	OG No.:	107429	7
Matrix: (soil/v	water)	WATER			Lal	b Sampl	e ID:	1107807	7 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lai	b File ID	:	V9662.D)	
_evel: (low/n	ned)	LOW			Da	te Recei	ved:	5/15/08		
% Moisture: ı	not dec.				Da	te Analy	zed:	5/23/08		
GC Column:	DB-VR	X ID: 0.1	8 (m	m)	Dilu	ution Fa	ctor:	1.0		
Soil Extract V	/olume:		(uL)		Soi	il Aliquot	Volun	ne:		(uL)
				CON	CENTRAT	ION UN	ITS:			
CAS NO).	COMPO	UND	(ug/L	or ug/Kg)	UG	/L		Q	
106-46) - 7	1,4-Dic	chlorobe	nzene				5		
95-50-	1	1,2-Dic	hlorobe	nzene				5		
96-12-8	8			-chloropro	pane			5		
120-82	<u>-1</u>			benzene	-			5		
87-68-3	3	Hexacl	nlorobut	adien e				5		

1,2,3-Trichlorobenzene

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

CAS/RC	CH		Contract:	IT-Latham		
10145		Case No.: R8-43894	SAS No	.: S	DG No.: 1074297	,
vater)	WATE	R	Lal	Sample ID:	1107808 1.0	
ol:	25.0	(g/ml) ML	Lal	File ID:	V9663.D	
ned)	LOW		Da	te Received:	5/15/08	
not dec.			Da	te Analyzed:	5/23/08	
DB-VF	X ID:	<u>0.18</u> (mm)	Dilu	ution Factor:	1.0	
olume:		(uL)	Soi	l Aliquot Volu	me:	(uL
	10145 vater) ol: ned) not dec. DB-VR	vater) WATE ol: 25.0 ned) LOW not dec.	10145 Case No.: R8-43894 vater) WATER ol: 25.0 (g/ml) ML ned) LOW not dec.	10145 Case No.: R8-43894 SAS No. vater) WATER Lal ol: 25.0 (g/ml) ML Lal ned) LOW Da not dec. Da Da DB-VRX ID: 0.18 (mm) Dilu	10145 Case No.: R8-43894 SAS No.: S vater) WATER Lab Sample ID: bl: 25.0 (g/ml) ML Lab File ID: ned) LOW Date Received: not dec. Date Analyzed: DB-VRX ID: 0.18 (mm) Dilution Factor:	10145 Case No.: R8-43894 SAS No.: SDG No.: 1074297 vater) WATER Lab Sample ID: 1107808 1.0 ol: 25.0 (g/ml) ML Lab File ID: V9663.D ned) LOW Date Received: 5/15/08 not dec. Date Analyzed: 5/23/08 DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

_ab Name: CAS/	ROCH	Contract: IT-L	atham INFLUE	NTMSD
_ab Code: 1014			SDG No.: 10	74297
Matrix: (soil/water)	WATER	Lab Sar	nple ID: 1107808 1.	0
Sample wt/vol:	25.0 (g/ml) M	L Lab File	ID: V9663.D	
_evel: (low/med)	LOW	Date Re	eceived: 5/15/08	
% Moisture: not de	o.	Date An	alyzed: 5/23/08	
GC Column: DB-	VRX ID: 0.18 (mm)	Dilution	Factor: 1.0	
Soil Extract Volume	e:(uL)	Soil Aliq	uot Volume:	(uL)
		CONCENTRATION	UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenz	ene	5	
95-50-1	1,2-Dichlorobenz	ene	5	
96-12-8	1,2-Dibromo-3-ch	loropropane	6	
120-82-1	1,2,4-Trichlorobe	nzen e	5	
87-68-3	Hexachlorobutadi	iene	5	

1,2,3-Trichlorobenzene

87-61-6

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

CAS/ROCH

Contract: IT-Latham

Lab Code:

10145

Case No.: R8-43894

SAS No.: SDG No.: 1074297

Matrix Spike - EPA Sample No DGC-3S

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/ L)	(ug/L)	REC#	REC.
Vinyl Chloride	5.0	0.0	5.6	112	60 - 140
1,2-Dichloroethane	5.0	0.0	5.0	100	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	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	5.1	102	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	5.1	102	60 - 140
Bromoform	5.0	0.0	4.7	94	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.8	96	60 - 140

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QCI	IMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	RPD	REC.
Vinyl Chloride	5.0	5.5	110	2	30	60 - 140
1,2-Dichloroethane	5.0	5.0	100	0	30	60 - 140
Carbon Tetrachloride	5.0	5.1	102	0	30	60 - 140
Benzene	5.0	4.9	98	4	30	60 - 140
Trichloroethene	5.0	4.8	96	0	30	60 - 140
1,2-Dichloropropane	5.0	5.1	102	0	30	60 - 140
cis-1,3-Dichloropropene	5.0	5.0	100	2	30	60 - 140
1,1,2-Trichloroethane	5.0	5.0	100	2	30	60 - 140
Tetrachloroethene	5.0	4.9	98	0	30	60 - 140
1,2-Dibromoethane	5.0	5.1	102	0	30	60 - 140
Bromoform	5.0	4.5	90	4	30	60 - 140
1,4-Dichlorobenzene	5.0	4.8	96	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.

DGC-3SMS

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-43894	SAS No	.:	SDG No.: 1074297	7
Matrix: (soil/v	vater)	WATER	₹		Lat	Sample ID): <u>1108029</u> 1.0	
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lat	File ID:	V9684.D	
Level: (low/n	ned)	LOW			Da	te Received	l: <u>5/16/08</u>	
% Moisture: r	not dec.				Da	te Analyzed	: 5/23/08	
GC Column:	DB-VF	RX_ID:	<u>0.18</u> (n	nm)	Dile	ution Factor	: 1.0	
Soil Extract V	olume:		(uL)		Soi	il Aliquot Vo	lume:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	6	
75-01-4	Vinyl Chloride	6	
74-83-9	Bromomethane	5	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	3	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	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	6	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3SMS

			1 DOG-SOING	
Lab Name: CAS/ROCH	1	Contract: IT-Latham		
Lab Code: 10145	Case No.: R8-43894	SAS No.: S	DG No.: 107429	7
Matrix: (soil/water) W	ATER	Lab Sample ID:	1108029 1.0	
Sample wt/vol: 25	5.0 (g/ml) <u>ML</u>	Lab File ID:	V9684.D	
Level: (low/med) LC	OW	Date Received:	5/16/08	
% Moisture: not dec.		Date Analyzed:	5/23/08	
GC Column: DB-VRX	ID: 0.18 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)	Soil Aliquot Volu	ıme:	(uL)
	CON	ICENTRATION UNITS:		
CAS NO.	COMPOUND (ug/L	or ug/Kg) <u>UG/L</u>	Q	
106-46-7	1,4-Dichlorobenzene		5	
95-50-1	1,2-Dichlorobenzene		5	
96-12-8	1,2-Dibromo-3-chloropro	pane	5	
120-82-1	1 2 4-Trichlorobenzene		5	7

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3SMSD

Lab Name:	CAS/RC	OCH		Contract: IT-Latham		
Lab Code:	10145	Cas	se No.: <u>R8-43894</u>	SAS No.:	SDG No.: 1074297	
Matrix: (soil/v	vater)	WATER	-	Lab Sample ID:	1108030 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File ID:	V9685.D	
Level: (low/n	ned)	LOW		Date Received:	5/16/08	
% Moisture: r	not dec.			Date Analyzed:	5/23/08	
GC Column:	DB-VF	X ID: 0.1	8 (mm)	Dilution Factor:	1.0	
Soil Extract V	olume:		_ (uL)	Soil Aliquot Volu	ıme:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	6	
75-01-4	Vinyl Chloride	6	
74-83-9	Bromomethane	5	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	· · · · · · · · · · · · · · · · · · ·
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	<u> </u>
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	6	
75-25-2	Bromoform	4	
541-73-1	1,3-Dichlorobenzene	5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

							1 136-50	C-35MS	n i
Lab Name:	CAS/ROC	CH			Contract:	IT-Latham		J-501110	
Lab Code:	10145	Cas	se No.: R	8-43894	SAS No	.:	SDG No.:	107429	7
Matrix: (soil/v	vater) <u>\</u>	WATER_			Lat	Sample ID:	1108030	1.0	
Sample wt/vo	ol: <u>2</u>	25.0	(g/ml) N	1L	Lat	File ID:	V9685.D)	
Level: (low/m	ned) <u>L</u>	_OW			Dat	e Received:	5/16/08		
% Moisture: r	not dec.				Dat	e Analyzed:	5/23/08		
GC Column:	DB-VRX	(ID: 0.1	8 (mm))	Dilu	tion Factor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme:		(uL)
				CON	CENTRATI	ON UNITS:			
CAS NO		СОМРО	UND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-	-7	1,4-Dic	hlorobenz	ene			5		_
95-50-1			hlorobenz				5	 	
96-12-8	3		romo-3-cl		ane		4	 	-
120-82-	.1		richlorobe				5		_
87-68-3			lorobutad				5		\dashv
87-61-6			richlorobe				5	†	
								1	1

INORGANIC QUALITY CONTROL SUMMARY

Report Date : 06/12/08

CAS Order # : 1100581 - M27D

Client : Shaw Environmental

GE MRFA PROJECT #810066

Reported Units: MG/L

Run # : 161114

PRECISION

ACCURACY

115 LIMITS 82 % REC. 106 ADDED 0.100 FOUND 0.106 RPD NC 0.0100 U DUPLICATE 0.0100 U ORIGINAL

HEXAVALENT CHROMIUM

00063

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Contract: IT-Latham Lab Name: CAS/ROCH

Case No.: R8-43894 SAS No.: SDG No.: 1074297 Lab Code: 10145

Lab Sample ID: 1107805 1.0 Lab File ID: V9657.D

Time Analyzed: 22:11 Date Analyzed: 5/22/08 Heated Purge: (Y/N) GC Column: DB-VRX ID: 0.18 (mm) 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	LCS01	1107806 1.0	V9655.D	20:59
02	EFFLUENT	1100572 1.0	V9658.D	22:47
03	M-29D	1100573 2.0	V9659.D	23:24
04	M-24D	1100574 1.0	V9660.D	0:00
05	INFLUENT	1100571 1.0	V9661.D	0:36
06	INFLUENTMS	1107807 1.0	V9662.D	1:12
07	INFLUENTMSD	1107808 1.0	V9663.D	1:48

COMMENTS

VOLATILE ORGANICS ANALYSIS DATA SHEET

_		\sim			_	NO	
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டா	_	\sim	LIVE	Гι		1477	٠.

VBLK01

Lab Name:	CAS/RC	CH			Contract:	IT-Latham	_		
Lab Code:	10145		Case No.:	R8-43894	SAS No	.: s	BDG No.:	1074297	
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	1107805	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V9657.D		
Levei: (low/n	ned)	LOW			Dat	te Received:			
% Moisture: r	not dec.				Dat	te Analyzed:	5/22/08		
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	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	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	Ū
100-42-5	Styrene	1	Ū
79-34-5	1,1,2,2-Tetrachloroethane	i	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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			VE	3LK01	- 1
Lab Name: CAS/ROC	CH	Contract: IT-Latham	_		
Lab Code: 10145	Case No.: R8-43894	SAS No.: S	DG No.:	1074297	7
Matrix: (soil/water) <u>V</u>	WATER	Lab Sample ID:	1107805	1.0	
Sample wt/vol: 2	25.0 (g/ml) ML	Lab File ID:	V9657.D		
Level: (low/med) L	OW	Date Received:			
% Moisture: not dec.		Date Analyzed:	5/22/08		
GC Column: DB-VRX	(ID: <u>0.18</u> (mm)	Dilution Factor:	1.0		
Soil Extract Volume:	(uL)	Soil Aliquot Volu	me:		(uL)
	CON	CENTRATION UNITS:			
CAS NO.	COMPOUND (ug/L	or ug/Kg) <u>UG/L</u>		Q	
106-46-7	1,4-Dichlorobenzene		1	U	7
95-50-1	1,2-Dichlorobenzene		1	U	
96-12-8	1,2-Dibromo-3-chloroprop	pane	1	U	
120-82-1	1,2,4-Trichlorobenzene		1	U	
87-68-3	Hexachiorobutadiene		1	U	7

1,2,3-Trichlorobenzene

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMF	PLE NO
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Lab Name:	CAS/RC	СН		Contract:	IT-Latha	ım	AB	LK01
Lab Code:	10145		Case No.: <u>R8-438</u>	94 SAS No).:	_ si	DG No.: 1	074297
Matrix: (soil/v	water)	WATER	₹	Lal	o Sample	ID:	1107805	1.0
Sample wt/vo	ol:	25.0	(g/ml) ML	Lal	File ID:		V9657.D	
Level: (low/n	ned)	LOW		Da	te Receiv	ed:		
% Moisture: r	not dec.			Da	te Analyz	ed:	5/22/08	
GC Column:	DB-VR	X ID:	0.18 (mm)	Dile	ution Fact	or:	1.0	
Soil Extract V	olume:		(uL)	Soi	I Aliquot \	/olur	ne:	(uL)
Number TICs	found:	0		ONCENTRAT g/L or ug/Kg)				
CAS NO.		COMP	OUND NAME		RT	ES'	T. CONC.	Q

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH

Contract: IT-Latham

Lab Code:

10145

Case No.: R8-43894

SAS No.: SDG No.: 1074297

Lab File ID:

V9670.D

Lab Sample ID: 1108027 1.0

Date Analyzed: 5/23/08

Time Analyzed: 5:57

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	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	LCS02	1108028 1.0	V9668.D	4:46
02	M-11D	1100575 1.0	V9672.D	7:09
03	M-33S	1100576 1.0	V9673.D	7:44
04	M-33D	1100577 1.0	V9674.D	8:20
05	DUPE A	1100570 1.0	V9675.D	9:07
06	TRIP BLANK	1100578 1.0	V9676.D	9:37
07	M27D	1100581 1.0	V9677.D	10:41
08	14D	1100582 1.0	V9678.D	11:17
09	4D	1100937 1.0	V9679.D	11:48
10	DGC-3S	1100940 1.0	V9680.D	12:22
11	DGC-4S	1100941 1.0	V9681.D	12:54
12	M-25D	1100936 2.5	V9682.D	13:25
13	INFLUENTDL	1100571 2.5	V9683.D	13:56
14	DGC-3SMS	1108029 1.0	V9684.D	14:30
15	DGC-3SMSD	1108030 1.0	V9685.D	14:57
16	COOLER BLK	1100579 1.0	V9686.D	15:27

COMMENTS

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name:	CAS/RO	СН		Contract:	IT-Latham	VBLRUZ	
Lab Code:	10145		Case No.: R8-43894			DG No.: 1074297	7
Matrix: (soil/v	vater)	WATE	R	Lat	Sample ID:	1108027 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	File ID:	V9670.D	
Level: (low/m	ned)	LOW	····	Dat	te Received:		
% Moisture: r	not dec.			Dat	e Analyzed:	5/23/08	
GC Column:	DB-VR	X ID:	<u>0.18</u> (mm)	Dilu	ıtion Factor:	1.0	
Soil Extract V	olume:		(uL)	Soil	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	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	J
75-34-3	1,1-Dichloroethane	1	כ
156-59 - 2	cis-1,2-Dichloroethene	1	כ
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	Ū
100-42-5	Styrene	1	Ū
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	Ū
541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

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				ı v	DLNUZ	- 1
Lab Name: CAS/ROCI	1	_ Contract:	IT-Latham	_		
Lab Code: 10145	Case No.: R8-4389	4 SAS No	o.: S	DG No.:	1074297	7
Matrix: (soil/water) W	ATER	Lal	b Sample ID:	1108027	1.0	
Sample wt/vol: 25	5.0 (g/ml) ML	Lal	b File ID:	V9670.D)	
Level: (low/med) LC	DW	Da	te Received:			
% Moisture: not dec.		Da	te Analyzed:	5/23/08		
GC Column: DB-VRX	ID: <u>0.18</u> (mm)	Dili	ution Factor:	1.0		
Soil Extract Volume:	(uL)	Soi	il Aliquot Volu	ıme:		(uL)
	со	NCENTRAT	ION UNITS:			
CAS NO.	COMPOUND (ug/	L or ug/Kg)	UG/L		Q	
106-46-7	1,4-Dichlorobenzene			1	U	7
95-50-1	1,2-Dichlorobenzene			1	U	
06.12.9	1.2 Dibromo 3 chloropr	onana		1	111	7

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.

Lab Name:	CAS/ROCH		Contract:	IT-Latha	_m	VI	BLK02	
Lab Code:	10145	Case No.: R8-438				No.:	107429	 97
Matrix: (soil/w	ater) <u>WAT</u>	ER	Lal	o Sample	– ID: 11	08027	1.0	
Sample wt/vo	l: <u>25.0</u>	(g/ml) ML	Lal	File ID:	VS	9670.D		
Level: (low/m	ed) LOW		Da	te Receive	ed:			
% Moisture: n	ot dec.		Da	te Analyze	ed: 5/2	23/08		
GC Column:	DB-VRX ID	0.18 (mm)	Dilu	ution Facto	or: 1.0	0		
Soil Extract Vo	olume:	(uL)	Soi	l Aliquot V	olume			(uL)
		co	NCENTRAT	ION UNIT	S:			
Number TICs	found: 0	(ug	g/L or ug/Kg)	UG/L	·	_		
CAS NO.	COM	POUND NAME		RT	EST.	CONC.	. (Q

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH		Contract: IT-Latha	m	
Lab Code:	10145	Case No.: R8-43894	SAS No.:	SDG N	No.: 1074297
Lab File ID:	V9644.D		BFB Injection	Date:	5/22/08
Instrument ID	CMS#6		BFB Injection	Time:	14:00
GC Column:	DB-VRX	ID: 0.18 (mm)	Heated Purge	e: (Y/N)	N

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	ABUNDANCE
50	8.0 - 40.0% of mass 95	15.0
75	30.0 - 66.0% of mass 95	44.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	82.7
175	4.0 - 9.0% of mass 174	5.4 (6.5)1
176	93.0 - 101.0% of mass 174	78.0 (94.3)1
177	5.0 - 9.0% of mass 176	5.4 (6.9)2

¹⁻Value is % mass 174

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	VSTD001 / 005	VSTD001 / 005	V9646.D	5/22/08	15:27
02	VSTD002 / 010	VSTD002 / 010	V9647.D	5/22/08	16:02
03	VSTD010 / 050	VSTD010 / 050	V9649.D	5/22/08	17:28
04	VSTD025 / 125	VSTD025 / 125	V9650.D	5/22/08	18:04
05	VSTD005 / 025	VSTD005 / 025	V9654.D	5/22/08	20:22
06	LCS01	1107806 1.0	V9655.D	5/22/08	20:59
07	VBLK01	1107805 1.0	V9657.D	5/22/08	22:11
08	EFFLUENT	1100572 1.0	V9658.D	5/22/08	22:47
09	M-29D	1100573 2.0	V9659.D	5/22/08	23:24
10	M-24D	1100574 1.0	V9660.D	5/23/08	0:00
11	INFLUENT	1100571 1.0	V9661.D	5/23/08	0:36
12	INFLUENTMS	1107807 1.0	V9662.D	5/23/08	1:12
13	INFLUENTMSD	1107808 1.0	V9663.D	5/23/08	1:48

²⁻Value is % mass 176

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH			Contract: IT-La	tham	
Lab Code:	10145	Case No.	.: R8-43894	SAS No.:	SDG N	No.: 1074297
Lab File ID:	V9666.D			BFB Injec	tion Date:	5/23/08
Instrument ID	: GCMS#6	<u>-</u>		BFB Injec	tion Time:	3:35
GC Column:	DB-VRX	ID: 0.18	(mm)	Heated P	urge: (Y/N)	N

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	ABUNDANCE
50	8.0 - 40.0% of mass 95	20.4
75	30.0 - 66.0% of mass 95	47.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	94.8
175	4.0 - 9.0% of mass 174	6.9 (7.3)1
176	93.0 - 101.0% of mass 174	91.4 (96.4)1
177	5.0 - 9.0% of mass 176	6.5 (7.1)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
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
01	VSTD #2	VSTD #2	V9667.D	5/23/08	4:10
02	LCS02	1108028 1.0	V9668.D	5/23/08	4:46
03	VBLK02	1108027 1.0	V9670.D	5/23/08	5:57
04	M-11D	1100575 1.0	V9672.D	5/23/08	7:09
05	M-33S	1100576 1.0	V9673.D	5/23/08	7:44
06	M-33D	1100577 1.0	V9674.D	5/23/08	8:20
07	DUPE A	1100570 1.0	V9675.D	5/23/08	9:07
08	TRIP BLANK	1100578 1.0	V9676.D	5/23/08	9:37
09	M27D	1100581 1.0	V9677.D	5/23/08	10:41
10	14D	1100582 1.0	V9678.D	5/23/08	11:17
11	4D	1100937 1.0	V9679.D	5/23/08	11:48
12	DGC-3S	1100940 1.0	V9680.D	5/23/08	12:22
13	DGC-4S	1100941 1.0	V9681.D	5/23/08	12:54
14	M-25D	1100936 2.5	V9682.D	5/23/08	13:25
15	INFLUENTDL	1100571 2.5	V9683.D	5/23/08	13:56
16	DGC-3SMS	1108029 1.0	V9684.D	5/23/08	14:30
17	DGC-3SMSD	1108030 1.0	V9685.D	5/23/08	14:57
18	COOLER BLK	1100579 1.0	V9686.D	5/23/08	15:27

8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Contract: IT-Latham CAS/ROCH Lab Name: Case No.: R8-43894 SAS No.: SDG No.: 1074297 Lab Code: 10145 V9654.D Date Analyzed: 5/22/08 Lab File ID (Standard): Time Analyzed: 20:22 Instrument ID: GCMS#6 Ν ID: 0.18 Heated Purge: (Y/N) GC Column: DB-VRX (mm)

		IS1	DT #	IS2	RT #	IS3	DT #
		AREA #	RT #	AREA #	RT #	AREA #	RT #
İ	12 HOUR STD	707817	5.74	566903	8.74	299494	10.81
	UPPER LIMIT	1415634	6.24	1133806	9.24	598988	11.31
	LOWER LIMIT	353909	5.24	283452	8.24	149747	10.31
	EPA SAMPLE			· · · · · · · · · · · · · · · · · · ·			
	NO.						
01	LCS01	713547	5.74	585879	8.74	301463	10.81
02	VBLK01	684925	5.74	560653	8.74	259953	10.81
03	EFFLUENT	679364	5.74	562327	8.74	263356	10.81
04	M-29D	680535	5.74	556370	8.74	255187	10.81
05	M-24D	665702	5.74	549194	8.74	256403	10.81
06	INFLUENT	662890	5.73	551898	8.74	257242	10.81
07	INFLUENTMS	683292	5.73	564684	8.74	299817	10.81
08	INFLUENTMSD	690676	5.73	588072	8.74	297291	10.81

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.:
 R8-43894
 SAS No.:
 SDG No.:
 1074297

 Lab File ID (Standard):
 V9667.D
 Date Analyzed:
 5/23/08

 Instrument ID:
 GCMS#6
 Time Analyzed:
 4:10

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

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	714223	5.74	596782	8.74	294650	10.81
	UPPER LIMIT	1428446	6.24	1193564	9.24	589300	11.31
	LOWER LIMIT	357112	5.24	298391	8.24	147325	10.31
	EPA SAMPLE						
	NO.						
01	LCS02	709517	5.73	591882	8.74	297682	10.81
02	VBLK02	696438	5.73	564727	8.74	264820	10.81
03	M-11D	670139	5.74	562316	8.74	255004	10.81
04	M-33S	661407	5.73	553020	8.74	251967	10.81
05	M-33D	664094	5.74	545004	8.74	259981	10.81
06	DUPE A	662635	5.73	555807	8.74	254010	10.81
07	TRIP BLANK	640475	5.74	532859	8.74	241981	10.81
08	M27D	655979	5.73	538089	8.74	246075	10.81
09	14D	648246	5.73	547324	8.74	247951	10.81
10	4D	652335	5.74	540630	8.74	261229	10.81
11	DGC-3S	650863	5.73	533022	8.74	246333	10.81
12	DGC-4S	644593	5.74	541100	8.74	251756	10.81
13	M-25D	657123	5.74	546568	8.74	252557	10.81
14	INFLUENTDL	665074	5.74	548646	8.74	259480	10.81
15	DGC-3SMS	669422	5.74	563710	8.74	292337	10.81
16	DGC-3SMSD	682051	5.73	577355	8.74	299904	10.81
17	COOLER BLK	695003	5.74	561395	8.74	267512	10.81

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

CAS Submission #: R2843894
Client: Shaw Environmental
GE MRFA PROJECT #810066

BLANK SPIKES

BLANK	FOUND	ADDED	SER %	LIMITS	RUN	UNITS
0.0100 U	0.101	0.100	101	90 - 109	161114	MG/L

HEXAVALENT CHROMIUM

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE A

Lab Name:	CAS/RC	CH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-43894	SAS No.	.: S	DG No.: 1074297	7
Matrix: (soil/v	vater)	WATE	R		Lab	Sample ID:	1100570 1.0	
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lab	File ID:	V9675.D	
Level: (low/n	ned)	LOW			Dat	e Received:	5/15/08	
% Moisture: r	not dec.				Date	e Analyzed:	5/23/08	
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	nm)	Dilu	ıtion Factor:	1.0	
Soil Extract V	'olume: _		(uL)		Soil	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	3	10
75-15-0	Carbon Disulfide	1	<u> </u>
75-09-2	Methylene Chloride	111	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
74-975	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	0.3	J
78-87-5	1,2-Dichloropropane	11	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	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

								D	OPE A	
Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	_ L			
Lab Code:	10145	Cas	e No.:	R8-43894	SAS No	o.:	SDG	No.:	107429	7
Matrix: (soil/	water)	WATER			Lai	b Sample ID	: <u>11</u>	00570	1.0	
Sample wt/v	ol:	25.0	(g/ml)	ML	Lal	b File ID:	VS	9675.E)	
Level: (low/	med)	LOW			Da	te Received	: 5/	15/08		
% Moisture:	not dec.				Da	te Analyzed:	5/2	23/08		
GC Column:	DB-VF		8 (n	nm)	Dile	ution Factor:	1.0	0		
Soil Extract \	Volume:		_ (uL)		Soi	il Aliquot Vol	ume	:		(uL)
				CON	ICENTRAT	TON UNITS:	•			
CAS NO	D .	COMPO	UND	(ug/l	or ug/Kg)	UG/L		-	Q	
106-4	6-7	1,4-Dic	chlorob	enzene				1	U	
95-50-				enzene				1	U	
96-12-				3-chloropro	pane			1	U	
120-82				benzene				1	U	
87-68-				tadiene				1	U	

1,2,3-Trichlorobenzene

87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAN	//PL	E NO
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Lab Name:	CAS/RC	ОСН		Contra	act:	IT-Latha	am	D	UPE A	١
Lab Code:	10145		Case No.: R8	-43894 SAS	S No	.:	S	DG No.:	10742	97
Matrix: (soil/w	vater)	WATER	<u> </u>		Lat	Sample	ID:	1100570	1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	-	Lat	File ID:		V9675.E)	_
Level: (low/m	ned)	LOW	·		Dat	te Receiv	/ed:	5/15/08		_
% Moisture: r	not dec.				Dat	te Analyz	ed:	5/23/08		
GC Column:	DB-VR	X ID:	0.18 (mm)		Dik	ıtion Fac	tor:	1.0		
Soil Extract V	olume: _		(uL)		Soi	l Aliquot	Volu	me:		_ (uL)
				CONCENTI	NCENTRATION UNITS:					
Number TICs	found:	0		(ug/L or ug/	Kg)	UG/	L			
CAS NO.		СОМРО	OUND NAME			RT	ES	T. CONC	·.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name:	CAS/RO	OCH		<u></u>	Contract:	IT-Latham	_		
Lab Code:	10145		Case No.:	R8-43894	SAS No	.: s	DG No.:	1074297	7
Matrix: (soil/v	water)	WATER	₹		Lat	Sample ID:	1100571	l 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V9661.D)	
Level: (low/n	ned)	LOW	gogga taglandini di salaggi		Dat	te Received:	5/15/08		
% Moisture: r	not dec.				Dat	te Analyzed:	5/23/08		
GC Column:	DB-VF	RX_ID:	<u>0.18</u> (m	m)	Dilu	ution Factor:	1.0		
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Volu	ime:		(uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	111	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	111	s 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	Ù
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	4	u
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	Ų
56-23-5	Carbon Tetrachloride	25 27	E
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	42 46	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	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	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	Ü
75-25-2	Bromoform	1 1	Ū
541-73-1	1,3-Dichlorobenzene		Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT Lab Name: CAS/ROCH Contract: IT-Latham SAS No.: SDG No.: 1074297 Case No.: R8-43894 Lab Code: 10145 WATER Lab Sample ID: 1100571 1.0 Matrix: (soil/water) Lab File ID: V9661.D 25.0 (g/ml) ML Sample wt/vol: Date Received: 5/15/08 Level: (low/med) LOW % Moisture: not dec. Date Analyzed: 5/23/08 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 (ua/L or ua/Ka) UG/I O

CAS NO.	COMPOUND (dg/L of dg/Ng))O/L	Œ
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name:	CAS/RC	CH		_ Contract:	IT-Lath	am	INI	FLUEN	T]
Lab Code:	10145		Case No.: R8-4389	4 SAS No	.:	_ SD	G No.:	10742	97
Matrix: (soil/w	vater)	WATE	₹	Lal	Sample	e ID: _	1100571	1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	File ID	: \	√9661.D)	_
Level: (low/m	ned)	LOW		Da	te Recei	ved:	5/15/08		_
% Moisture: r	not dec.			Dat	te Analy:	zed: 5	5/23/08		
GC Column:	DB-VR	X ID:	<u>0.18</u> (mm)	Dilu	ution Fac	ctor: 1	1.0		_
Soil Extract Volume:			(uL)	Soi	l Aliquot	Volum	ie:		(uL)
				NCENTRAT					
Number TICs	found:	0	(ug	/L or ug/Kg)	UG	/L			
CAS NO.		СОМР	OUND NAME		RT	EST	. CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

74297
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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	JE U.
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	25	D
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	42	D
78-87-5	1,2-Dichloropropane	2	- U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTDL

Lab Name:	CAS/RC	OCH			Contract:	IT-Latham	_,		
Lab Code:	10145	(Case No.:	R8-43894	SAS No		SDG No.:	107429	7
Matrix: (soil/w	vater)	WATER	· · · · · · · · · · · · · · · · · · ·		Lab	Sample ID	: 1100571	2.5	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V9683.D		
Level: (low/m	ned)	LOW	· · · · · · · · · · · · · · · · · · ·		Dat	te Received	: 5/15/08		
% Moisture: r	not dec.				Dat	te Analyzed	5/23/08		
GC Column:	DB-VR	X ID:	0.18 (n	nm)	Dilu	ution Factor:	2.5		
Soil Extract V	olume: _		(uL)		Soil	l Aliquot Vol	ume:	·	(uL)
				CON	CENTRAT	ION UNITS	•		
CAS NO		COM	POUND	(ug/L	. or ug/Kg)	UG/L		Q	

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	СН			Contract:	IT-Lath	am	INFL	-UENII	, <u> </u>
Lab Code:	10145	c	ase No.:	R8-43894	SAS No	o.:	si	DG No.:	107429	97
Matrix: (soil/w	/ater)	WATER	_		Lai	b Sample	e ID:	1100571	2.5	
Sample wt/vo	l:	25.0	_ (g/ml)	ML	Lal	b File ID:		V9683.D)	
Level: (low/m	ned)	LOW			Da	te Recei	ved:	5/15/08		
% Moisture: n	ot dec.				Da	te Analy:	zed:	5/23/08		
GC Column:	DB-VR	X ID: 0	.18 (m	ım)	Dile	ution Fac	ctor:	2.5		
Soil Extract Volume:			(uL)		Soi	il Aliquot	Volur	me:		(uL)
				CON	ICENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	/L			
CAS NO		COMPO	IND NAK	/F		ΡT	E6.	T CONC	•	0

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMP	LE NO
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EFFLUENT

Lab Name:	CAS/RC	<u>CH</u>		Contract: IT-Latham		J
Lab Code:	10145	Ca	ase No.: R8-43894	SAS No.: S	SDG No.: 1074297	
Matrix: (soil/v	water)	WATER		Lab Sample ID:	1100572 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File ID:	V9658.D	
Level: (low/n	ned)	LOW		Date Received:	5/15/08	
% Moisture: r	not dec.			Date Analyzed:	5/22/08	
GC Column:	DB-VF	<u> X</u> ID: <u>0</u> .	18 (mm)	Dilution Factor:	1.0	
Soil Extract V	/olume:		(uL)	Soil Aliquot Volu	ume: (ul	L)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	111	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	2	SU.
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	0.2	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.3	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
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	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	<u> </u>	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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								FLUENI	
Lab Name:	CAS/RC	OCH			Contract:	IT-Latham			
Lab Code:	10145	Cas	se No.: R	8-43894	SAS No).:	SDG No.:	107429	7
Matrix: (soil/v	vater)	WATER			Lai	b Sample ID	110057	2 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>N</u>	1L	Lat	b File ID:	V9658.E	2	
Level: (low/n	ned)	LOW			Dat	te Received	: <u>5/15/08</u>		
% Moisture: r	not dec.				Dat	te Analyzed	: 5/22/08		
GC Column:	DB-VR	X ID: 0.1	8 (mm))	Dilu	ution Factor	: 1.0		
Soil Extract V	/olume:		 _ (uL)		Soi	l Aliquot Vo	lume:		(uL)
				CONC	CENTRAT	ION UNITS	:		
CAS NO).	СОМРО	UND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	i-7	1,4-Dic	hlorobenz	zene			1	U	\neg
95-50-	1	1,2-Dic	hlorobenz	zene			1	U	
96-12-8	3		romo-3-cl		ane		1	U	
120-82			richlorobe				1	U	
87-68-3			nlorobutad				1	U	

1,2,3-Trichlorobenzene

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

EFFLUENT Lab Name: CAS/ROCH Contract: IT-Latham 10145 Lab Code: Case No.: R8-43894 SAS No.: SDG No.: 1074297 Lab Sample ID: 1100572 1.0 WATER Matrix: (soil/water) 25.0 (g/ml) ML Sample wt/vol: Lab File ID: V9658.D LOW Date Received: 5/15/08 Level: (low/med) Date Analyzed: 5/22/08 % Moisture: not dec. GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** UG/L (ug/L or ug/Kg) Number TICs found: CAS NO. COMPOUND NAME RT EST. CONC. Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D

Lab Name:	CAS/R	OCH			Contract:	IT-Latham			
Lab Code:	10145	C	ase No.:	R8-43894	SAS No	.: s	DG No.:	1074297	<u>, </u>
Matrix: (soil/v	water)	WATER			Lat	Sample ID:	1100573	3 2.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lat	File ID:	V9659.E)	
Level: (low/n	ned)	LOW			Dat	e Received:	5/15/08		
% Moisture: r	not dec.				Dat	e Analyzed:	5/22/08		
GC Column: DB-VRX ID: 0.18 (mm)				Dilu	ition Factor:	1.0			
Soil Extract V	/olume:		(uL)		Soi	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	U
74-83-9	Bromomethane	2	J
75-00-3	Chloroethane	2	כ
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	4	X U
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	0.3	J
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	2	su
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	4	
56-23-5	Carbon Tetrachloride	33	
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	11	
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	Ū
108-90-7	Chlorobenzene	2	Ü
100-41-4	Ethylbenzene	2	Ū
1330-20-7	(m+p) Xylene	2	Ū
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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M-29D Lab Name: CAS/ROCH Contract: IT-Latham Case No.: R8-43894 SAS No.: SDG No.: 1074297 Lab Code: 10145 Lab Sample ID: 1100573 2.0 Matrix: (soil/water) WATER Lab File ID: Sample wt/vol: 25.0 (g/ml) ML V9659.D LOW Date Received: 5/15/08 Level: (low/med) % Moisture: not dec. Date Analyzed: 5/22/08 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: Soil Extract Volume: (uL) (uL) **CONCENTRATION UNITS:** UG/L Q CAS NO. COMPOUND (ug/L or ug/Kg) U 106-46-7 1,4-Dichlorobenzene 2 U 95-50-1 1,2-Dichlorobenzene 1,2-Dibromo-3-chloropropane 2 U 96-12-8 U 1,2,4-Trichlorobenzene 2 120-82-1

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.

M-29D

Lab Name:	CAS/R	OCH			Contract:	IT-Lath	am	_		
Lab Code:	10145	(Case No.:	R8-43894	SAS No	.:	_ s	DG No.:	1074	297
Matrix: (soil/v	vater)	WATER			Lal	Sample	D:	1100573	3 2.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	File ID:		V9659.E)	·limate
Level: (low/n	ned)	LOW			Da	te Recei	ved:	5/15/08		
% Moisture: r	not dec.				Da	te Analyz	zed:	5/22/08		_
GC Column:	DB-VF	X ID:	0.18 (m	nm)	Dilu	ution Fac	tor:	1.0		
Soil Extract Volume:			(uL)		Soi	l Aliquot	Volu	me:		_ (uL)
				CON	CENTRAT	ION UNI	TS:			
Number TICs	found:	0		(ug/l	_ or ug/Kg)	UG	<u>L</u>			
CAS NO.		COMPO	OUND NAM	ΛE		RT	ES	T. CONC) .	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-24D

Lab Name:	CAS/RC	OCH	Contract: IT-Latham	
Lab Code:	10145	Case No.: R8-43894	SAS No.:S	SDG No.: 1074297
Matrix: (soil/v	vater)	WATER	Lab Sample ID:	1100574 1.0
Sample wt/vo	ol:	25.0 (g/ml) ML	Lab File ID:	V9660.D
Level: (low/n	ned)	LOW	Date Received:	5/15/08
% Moisture: r	not dec.		Date Analyzed:	5/23/08
GC Column:	DB-VF	2X ID: 0.18 (mm)	Dilution Factor:	1.0
Soil Extract V	/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	11	U
75-00-3	Chloroethane	111	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	Ules
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 04	14
107-06-2	1,2-Dichloroethane	1	ບ້
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	9	•
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	Ü
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	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ū
79-34-5 75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	- U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-24D

Lab Name: CAS/RO	OCH		Contract:	IT-Latham			
Lab Code: 10145	Case	e No.: <u>R8-438</u>	94 SAS No.:	s SD	G No.: 10	74297	_
Matrix: (soil/water)	WATER		Lab	Sample ID: 1	1100574 1.	0	_
Sample wt/vol:	25.0	(g/ml) ML	Lab	File ID:	/9660.D		
Level: (low/med)	LOW		Date	Received: 5	5/15/08		
% Moisture: not dec.			Date	Analyzed: 5	5/23/08		
GC Column: DB-VF	X ID: <u>0.18</u>	3 (mm)	Dilut	ion Factor: 1	.0		
Soil Extract Volume:		(uL)	Soil	Aliquot Volum	ie:	(JL)
CAS NO	COMPO		ONCENTRATION	ON UNITS:		O	

CAS NO.	COMPOUND	(ug/E or ug/Ng)	UG/L	G
106-46-7	1,4-Dichlorobenze	ene		1 L
95-50-1	1,2-Dichlorobenze		1 L	
96-12-8	1,2-Dibromo-3-chi	1	l	
120-82-1	1,2,4-Trichloroben		i L	
87-68-3	Hexachlorobutadie	1	l	
87-61-6	1.2.3-Trichloroben	1	l	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SA	MPL	E.	NO
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										- 045	- 1
Lab Name:	CAS/RO	СН			Contract	: <u>r</u>	Γ-Latham	<u> </u>		И-24D	
Lab Code:	10145		Case No.:	R8-43894	SAS	lo.:		SD	G No.:	10742	97
Matrix: (soil/v	vater)	WATER	₹		L	ab S	Sample II	D: <u>1</u>	100574	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	L	ab F	ile ID:	<u>\</u>	/9660.D		_
Level: (low/n	ned)	LOW				ate	Received	d: <u>5</u>	/15/08		_
% Moisture: r	not dec.				D	ate	Analyzed	l: <u>5</u>	/23/08		_
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	m)	D	ilutio	on Factor	:: <u>1</u>	.0		_
Soil Extract V	olume:		(uL)		S	oil A	liquot Vo	lum	e:		_ (uL)
					ICENTRA		N UNITS	S :			
Number TICs	found:	0		(ug/l	_ or ug/Kg))	UG/L				
CAS NO.		COMP	OUND NAN	1E		F	RT I	EST.	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-11D

CAS/RC	CH		***************************************	Contract:	IT-Latham	_		
10145	(Case No.:	R8-43894	SAS No	.:	SDG No.:	107429	7
ater)	WATER			Lab	Sample ID:	1100575	5 1.0	
:	25.0	(g/ml)	ML	Lab	File ID:	V9672.D)	
ed)	LOW	······················		Dat	e Received:	5/15/08		
ot dec.				Dat	e Analyzed:	5/23/08		
DB-VR	X ID:	0.18 (m	ım)	Dilu	ition Factor:	1.0		
olume: _		(uL)		Soil	Aliquot Volu	ume:	 	(uL
	10145 ater) : ed) ot dec. DB-VR	ater) WATER 25.0 ed) LOW ot dec. DB-VRX ID:	10145 Case No.: ater) WATER : 25.0 (g/ml) ed) LOW ot dec.	10145 Case No.: R8-43894 ater) WATER : 25.0 (g/ml) ML ed) LOW ot dec.	10145 Case No.: R8-43894 SAS No ater) WATER Lab : 25.0 (g/ml) ML Lab ed) LOW Dat ot dec. Dat Dat DB-VRX ID: 0.18 (mm) Dilu	10145 Case No.: R8-43894 SAS No.: Sample ID: ater) WATER Lab Sample ID: : 25.0 (g/ml) ML Lab File ID: ed) LOW Date Received: ot dec. Date Analyzed: DB-VRX ID: 0.18 (mm) Dilution Factor:	10145 Case No.: R8-43894 SAS No.: SDG No.: ater) WATER Lab Sample ID: 1100575 : 25.0 (g/ml) ML Lab File ID: V9672.D ed) LOW Date Received: 5/15/08 ot dec. Date Analyzed: 5/23/08 DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0	10145 Case No.: R8-43894 SAS No.: SDG No.: 107429 ater) WATER Lab Sample ID: 1100575 1.0 : 25.0 (g/ml) ML Lab File ID: V9672.D ed) LOW Date Received: 5/15/08 ot dec. Date Analyzed: 5/23/08 DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	1	3US
75-15-0	Carbon Disulfide	1	ĺ Ú
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	C
74-97-5	Bromochloromethane	1	C
67-66-3	Chioroform	2	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	11	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	111	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	1111	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	11	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.

M-11D Lab Name: CAS/ROCH Contract: IT-Latham 10145 Case No.: R8-43894 SAS No.: SDG No.: 1074297 Lab Code: Lab Sample ID: 1100575 1.0 WATER Matrix: (soil/water) Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V9672.D Level: (low/med) LOW Date Received: 5/15/08 % Moisture: not dec. Date Analyzed: 5/23/08 GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

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

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	OCH			Contract:	IT-Lath	nam	IAI	-110	
Lab Code:	10145	Ca	se No.:	R8-43894	SAS No).:	S	DG No.: 1	07429	97
Matrix: (soil/v	vater)	WATER	_	•	Lal	b Sampl	e ID:	1100575	1.0	
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lal	File ID	:	V9672.D		_
Level: (low/n	ned)	LOW	_		Da	te Rece	ived:	5/15/08		_
% Moisture: r	not dec.				Da	te Analy	zed:	5/23/08		_
GC Column:	DB-VR	X ID: 0.1	8 (m	m)	Dik	ution Fa	ctor:	1.0		
Soil Extract V	olume:	······································	_ (uL)		Soi	l Aliquot	Volu	me:		(uL)
Number TICs	found:	0	•••		ICENTRAT . or ug/Kg)					
CAS NO		COMPOU	ND NAN	лЕ		RT	ES	T. CONC.		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	_	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Lab Code:	10145		Case No.:	R8-43894	SAS No	.: s	SDG No.:	1074297
Matrix: (soil/w	ater)	WATER	₹		Lab	Sample ID:	1100576	3 1.0
Sample wt/vo	l:	25.0	(g/ml)	ML	Lab	File ID:	V9673.E)
Level: (low/m	ned)	LOW			Dat	e Received:	5/15/08	
% Moisture: n	ot dec.				Dat	e Analyzed:	5/23/08	
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

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	1	s 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	Ü
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	Ų
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-Tetrachloroethane	i	Ū
75-25-2	Bromoform	1	Ŭ
73-23-2 541-73-1	1,3-Dichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name:	CAS/RC	CH			Contract:	IT-Latham			
Lab Code:	10145		Case No.:	R8-43894	SAS No	.: s	DG No.:	107429	7
Matrix: (soil/v	water)	WATE	₹		Lab	Sample ID:	1100576	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V9673.D)	
Level: (low/n	ned)	LOW			Dat	e Received:	5/15/08		
% Moisture: ı	not dec.				Dat	e Analyzed:	5/23/08		
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	m)	Dilu	ition Factor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me:		(uL)
CASNO		CON	APOLIND		CENTRAT	ION UNITS:		0	

CAS NO.	COMPOUND (ug/L or ug/kg	<u> </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	Ų
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	SAM	PLE	NO.

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Lab Name:	CAS/RC	ОСН			Contract:	IT-Lati	nam		M-33S	
Lab Code:	10145		Case No.:	R8-43894	SAS No	.:	s	DG No.:	10742	.97
Matrix: (soil/w	ater)	WATE	R		Lat	Samp	le ID:	1100576	3 1.0	
Sample wt/vo	l:	25.0	(g/ml)	ML	Lat	File ID):	V9673.E)	
Level: (low/m	ed)	LOW	<u>-</u>		Dat	e Rece	ived:	5/15/08		_
% Moisture: n	ot dec.				Dat	e Analy	zed:	5/23/08		
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ition Fa	ctor:	1.0		
Soil Extract Vo	olume:		(u L)		Soi	Aliquo	t Volu	me:		_ (uL)
					CENTRAT					
Number TICs	found:	0								
CAS NO		COMP	OUND NAM	ΛE		RT	ES	T. CONC) .	Q

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33D

Lab Name:	CAS/RC	OCH			Contract:	IT-Latham			
Lab Code:	10145		Case No.:	R8-43894	SAS No	.:	SDG No.:	1074297	
Matrix: (soil/w	/ater)	WATER	₹		Lab	Sample ID:	1100577	7 1.0	
Sample wt/vo	l:	25.0	(g/ml)	ML	Lab	File ID:	V9674.D)	
Level: (low/m	ned)	LOW			Dat	e Received:	5/15/08		
% Moisture: n	ot dec.				Dat	e Analyzed:	5/23/08		
GC Column:	DB-VF	XX ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	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	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	11	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	11	U
71-55-6	1,1,1-Trichloroethane	1	Ų
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	111	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33D

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Lab Name:	CAS/RC	CH	·		Contract:	IT-Lat	ham	_ L		
Lab Code:	10145		Case No.: R	8-43894	SAS No).:	s	DG No.:	107429	97
Matrix: (soil/v	vater)	WATER			Lal	b Samp	le ID:	110057	7 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>N</u>	1L	Lal	b File IC) :	V9674.[D	
Level: (low/n	ned)	LOW			Da	te Rece	eived:	5/15/08		
% Moisture: r	not dec.				Da	te Anal	yzed:	5/23/08		
GC Column:	DB-VR	X ID: C	0.18 (mm)	Dilu	ution Fa	ctor:	1.0		
Soil Extract V	olume:		(uL)		Soi	l Aliquo	t Volu	me:		(uL)
				CON	CENTRAT	ION UI	NITS:			
CAS NO		COM	POUND	(ug/L	or ug/Kg)	U	3/L	··	Q	
106-46	-7	1,4-1	Dichlorobena	zene	•			1	U	
95-50-1	1	1,2-	Dichlorobena	zene				1	U	
96-12-8	3	1,2-[Dibromo-3-c	hloropro	oane			1	U	
120-82	-1	1,2,4	I-Trichlorobe	enzene				. 1	U	

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	SAM	IPLE	NO.

M-33D

CASNO		COMPOU	ND NAME			RT	ES	ST CONC	•	a
Number TICs	found:	0			CENTRA or ug/Kg		UNITS: UG/L			
Soil Extract V	olume:		_ (u L)		So	oil Aliq	uot Volu	ıme:		_ (uL)
GC Column:	DB-VF	X ID: 0.	18 (mm)		Di	lution	Factor:	1.0		
% Moisture: r	not dec.				Da	ate Ar	alyzed:	5/23/08		_
Level: (low/m	ned)	LOW	_		Da	ate Re	eceived:	5/15/08		_
Sample wt/vo	oi:	25.0	(g/ml) ML		La	b File	ID:	V9674.[)	_
Matrix: (soil/w	vater)	WATER	_		La	ab Sar	nple ID:	110057	7 1.0	
Lab Code:	10145	Ca	se No.: R8-	43894	SAS N	o.:	S	DG No.:	10742	97
Lab Name:	CAS/RC	OCH	· · · · · · · · · · · · · · · · · · ·		Contract:	IT-L	.atham			

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RO	ОСН		Contract:	IT-Latham		
Lab Code:	10145		Case No.: R8-43894	SAS No	o.: S	SDG No.: 1074297	
Matrix: (soil/v	water)	WATER		La	b Sample ID:	: 1100578 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lai	b File ID:	V9676.D	
Level: (low/r	med)	LOW	<u></u>	Da	te Received:	5/15/08	
% Moisture:	not dec.			Da	te Analyzed:	5/23/08	
GC Column:	DB-VF	RX_ID:	0.18 (mm)	Dil	ution Factor:	1.0	
Soil Extract \	/olume:		(uL)	So	il Aliquot Vol	ume:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg	g) <u>UG/L</u>	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	Ų
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	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	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	•	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	1	U
79-00-5	1,1,2-Trichloroethane	111	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

							1	TRII	P BLAN	K
Lab Name:	CAS/RC	OCH			Contract:	IT-Latham	_			
Lab Code:	10145	Cas	se No.: F	8-43894	SAS No).:	SDG	No.:	107429	7
Matrix: (soil/w	vater)	WATER	_		Lal	o Sample ID	: <u>11</u>	00578	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>I</u>	ИL	Lal	File ID:	V	9676.D)	
Level: (low/m	ned)	LOW	_		Da	te Received	: <u>5/</u>	15/08		
% Moisture: r	not dec.				Da	te Analyzed	: 5/:	23/08		
GC Column:	DB-VF	X ID: 0.1	8 (mm	1)	Dilu	ution Factor:	1.0	0		
Soil Extract V	olume:		_ (uL)		Soi	l Aliquot Vol	ume	:		(uL)
				CON	CENTRAT	ION UNITS	:			
CAS NO		СОМРО	UND	(ug/L	or ug/Kg)	UG/L			Q	
106-46	-7	1,4-Dic	chloroben	zene				1	U	
95-50-1			chloroben					1	U	
96-12-8			oromo-3-c		pane			1	U	
120-82			richlorob					1	U	
97 69 2			hlorobuta					1	3.1	

1,2,3-Trichlorobenzene

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E NO
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TRIP BLANK Contract: IT-Latham Lab Name: CAS/ROCH 10145 Case No.: R8-43894 SAS No.: SDG No.: 1074297 Lab Code: Lab Sample ID: 1100578 1.0 Matrix: (soil/water) WATER 25.0 (g/mi) ML Lab File ID: V9676.D Sample wt/vol: LOW Date Received: 5/15/08 Level: (low/med) % Moisture: not dec. Date Analyzed: 5/23/08 Dilution Factor: 1.0 GC Column: DB-VRX ID: 0.18 (mm) Soil Aliquot Volume: Soil Extract Volume: (uL) (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.

COOLER BLK

Lab Code: 10145 Case No.: R8-43894 SAS No.: SDG No.: 107429 Matrix: (soil/water) WATER Lab Sample ID: 1100579 1.0 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V9686.D Level: (low/med) LOW Date Received: 5/15/08	
Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V9686.D	
Odinpio wavoi.	
Level: (low/med) LOW Date Received: 5/15/08	
% Moisture: not dec Date Analyzed: 5/23/08	
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	11	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	11	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	0.1	J
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23 - 5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01 - 6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U_
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	Ū
541-73-1	1,3-Dichlorobenzene	1	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

0.2 J

			1 -	LER BLI	K
Lab Name: CAS/RO	CH	_ Contract: IT-Latham	<u> </u>		
Lab Code: 10145	Case No.: R8-4389	94 SAS No.:	SDG No.:	1074297	<u>, </u>
Matrix: (soil/water)	WATER	Lab Sample ID	D: <u>1100579</u>	9 1.0	
Sample wt/vol:	25.0 (g/ml) ML	Lab File ID:	V9686.E)	
_evel: (low/med)	LOW	Date Received	d: <u>5/15/08</u>		
% Moisture: not dec.	· · · · · · · · · · · · · · · · · · ·	Date Analyzed	l: 5/23/08		
GC Column: DB-VR	K ID: 0.18 (mm)	Dilution Factor	: 1.0		
Soil Extract Volume:	(uL)	Soil Aliquot Vo	lume:		(uL)
	CC	NCENTRATION UNITS	S:		
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-chlorop	ropane	1	U	
120-82-1	1,2,4-Trichlorobenzene		0.2	J	
87-68-3	Hexachlorobutadiene		0.5	J	

1,2,3-Trichlorobenzene

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

COOLER BLK Contract: IT-Latham Lab Name: CAS/ROCH SAS No.: SDG No.: 1074297 10145____ Case No.: R8-43894 Lab Code: Lab Sample ID: 1100579 1.0 WATER Matrix: (soil/water) Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V9686.D Level: (low/med) LOW Date Received: 5/15/08 Date Analyzed: 5/23/08 % 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: **COMPOUND NAME** RT EST. CONC. Q

CAS NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M27D

Lab Name:	CAS/RO	OCH		Contract: IT-Latham	
Lab Code:	10145		Case No.: R8-43894	SAS No.:	SDG No.: 1074297
Matrix: (soil/v	water)	WATER	₹	Lab Sample IE	D: <u>1100581 1.0</u>
Sample wt/vo	oł:	25.0	(g/ml) ML	Lab File ID:	V9677.D
Level: (low/n	ned)	LOW		Date Received	d: <u>5/15/08</u>
% Moisture: r	not dec.		·	Date Analyzed	d: <u>5/23/08</u>
GC Column: DB-VRX ID: 0.18 (mm)				Dilution Factor	: <u>1.0</u>
Soil Extract V	/olume:		(uL)	Soil Aliquot Vo	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	U
75-69-4	Trichlorofluoromethane	0.6	لہ
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	1	sw
75-15-0	Carbon Disulfide	1	Ü
75-09-2	Methylene Chloride	111	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	1.0.7	8 W
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	111	U
56-23-5	Carbon Tetrachloride	11	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	13	
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	11	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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Lab Namo	CAS/RO	CH		Contract:	IT-Latham		MZ/D	
Lab Name:	CAS/NO	<u>Cri</u>			11-Latitatis			
Lab Code:	10145		Case No.: R8-	43894 SAS N	o.:	SDG No.:	107429	7
Matrix: (soil/	water)	WATER		La	b Sample ID	110058	1 1.0	
Sample wt/ve	ol:	25.0	(g/ml) ML	La	b File ID:	V9677.E)	
Level: (low/r	ned)	LOW		Da	ate Received:	5/15/08		
% Moisture:	not dec.			Da	ate Analyzed:	5/23/08		
GC Column:	DB-VR	X ID:	0.18 (mm)	Dii	lution Factor:	1.0		
Soil Extract \	/olume: _		(uL)	So	il Aliquot Vol	ume:	***************************************	(uL)
				CONCENTRA	TION UNITS:			
CAS NO) .	COM	POUND	(ug/L or ug/Kg)	UG/L		Q	
106-46	6-7	1,4	Dichlorobenze	ne		11	U	
95-50-	1	12.	Dichlorobenze	ne		1	U	

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 TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAI	MPI	LE	NO.

							-			1
Lab Name:	CAS/RC	ОСН			Contract:	IT	-Latham	_	M27D	
Lab Code:	10145		Case No.:	R8-43894	SAS N	o.: _	s	DG No.:	107429) 7
Matrix: (soil/v	vater)	WATER	₹		La	b S	ample ID:	1100581	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	_ La	b Fi	le ID:	V9677.E)	
Level: (low/n	ned)	LOW			Da	ate F	Received:	5/15/08		
% Moisture: r	not dec.				Da	ate A	nalyzed:	5/23/08		
GC Column:	DB-VR	X ID:	<u>0.18</u> (m	ım)	Dil	utio	n Factor:	1.0		
Soil Extract V	olume: _		(uL)		So	il Al	iquot Volu	me:		(uL)
				CON	ICENTRAT	ΓIΟN	NUNITS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	ļ	UG/L			
CAS NO.		COMPO	DUND NAM	ΛE		R	T ES	T. CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R8-43894 SAS No.: SDG No.: 1074297

Matrix: (soil/water) WATER Lab Sample ID: 1100582 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V9678.D

Level: (low/med) LOW Date Received: 5/15/08

% Moisture: not dec. Date Analyzed: 5/23/08

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

Soil Aliquot Volume: Soil Extract Volume: (uL) (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	Trichlorofluorom	ethane		1	U
75-35-4	1,1-Dichloroethe	ene		1	U
67-64-1	Acetone			1	1/
75-15-0	Carbon Disulfide	9		1	U
75-09-2	Methylene Chlor	ride		1	U
156-60-5	trans-1,2-Dichlo	roethene		1	U
75-34-3	1,1-Dichloroetha	ne		1	U
156-59-2	cis-1,2-Dichloroe	ethene		1	U
78-93-3	2-Butanone			5	U
74-97-5	Bromochloromet	thane		1	U
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroetha	ne		1	U
71-55-6	1,1,1-Trichloroet	hane		1	U
56-23-5	Carbon Tetrachie	oride		1	U
71-43-2	Benzene			1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloroprop	ane		1	U
75-27-4	Bromodichlorome	ethane		1	U
10061-01-5	cis-1,3-Dichlorop	ropene		1	U
108-10-1	4-Methyl-2-Penta	none		5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichlor	opropene		1	U
79-00-5	1,1,2-Trichloroeth	nane		1	U
127-18-4	Tetrachloroethen	е		1	Ū
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochlorome	ethane		1	U
106-93-4	1,2-Dibromoethar	ne		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	U
100-42-5	Styrene			1	Ū
79-34-5	1,1,2,2-Tetrachlor	oethane		1	Ü
75-25-2	Bromoform			1	Ü
541-73-1	1,3-Dichlorobenze	ene		1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D

Lab Name:	CAS/RC	CH		Contract:	IT-Latham			
Lab Code:	10145	(Case No.: <u>R8-43</u>	894 SAS No	o.: S	DG No.:	107429	7
Matrix: (soil/v	water)	WATER	<u> </u>	La	b Sample ID:	1100582	2 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	La	ıb File ID:	V9678.D)	
Levei: (iow/n	ned)	LOW	The second of th	Da	ate Received:	5/15/08		
% Moisture: r	not dec.			Da	ate Analyzed:	5/23/08		
GC Column:	DB-VR	X ID:	0.18 (mm)	Dil	lution Factor:	1.0		
Soil Extract V	/olume:		(uL)	So	oil Aliquot Volu	me:		(uL)
			C	CONCENTRAT	TION UNITS:			
CAS NO).	COM	IPOUND (ug/L or ug/Kg)	UG/L		Q	

106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1.2.3-Trichlorobenzene	1	Ü

VOLATILE ORGANICS ANALYSIS DATA SHEET

		IENIAI	IVELT IDENTIFIE	D COMPO	DINDS	4.5	
Lab Name:	CAS/RO	ОСН		Contract:	IT-Latham	14D	
Lab Code:	10145	Ca	se No.: <u>R8-4389</u> 4	SAS No	.:	SDG No.: 107429	97
Matrix: (soil/v	vater)	WATER	_	Lal	Sample ID	: 1100582 1.0	·
Sample wt/vo	ol:	25.0	(g/ml) ML	Lal	File ID:	V9678.D	
Level: (low/n	ned)	LOW	_	Da	te Received	: 5/15/08	
% Moisture: r	not dec.			Da	te Analyzed	: 5/23/08	
GC Column:	DB-VF	<u>X</u> ID: <u>0.</u>	18 (mm)	Dile	ution Factor:	1.0	
Soil Extract V	olume:		_ (uL)	Soi	i Aliquot Vol	lume:	(uL)
Number TICs	found:	0		NCENTRAT L or ug/Kg)	ION UNITS UG/L	:	
10							

COMPOUND NAME

CAS NO.

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name:	CAS/RC	CH			Contract:	IT-Latham			
Lab Code:	10145		Case No.:	R8-43894	SAS No	.: ;	SDG No.:	107429	7
Matrix: (soil/w	vater)	WATE	R		Lab	Sample ID	1100936	3 2.5	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V9682.D)	
Level: (low/m	ned)	LOW			Dat	e Received:	5/16/08		
% Moisture: r	not dec.				Dat	e Analyzed:	5/23/08		
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	nm)	Dilu	ıtion Factor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	ume:		(uL

COMPOUND (ug/L or ug/Kg)	UG/L	Q
Chloromethane	2	U
Vinyl Chloride	2	U
Bromomethane	2	U
Chloroethane	2	U
Trichlorofluoromethane	2	U
1,1-Dichloroethene	2	U
Acetone	4	su.
Carbon Disulfide	2	U
Methylene Chloride	2	U
trans-1,2-Dichloroethene	2	U
1,1-Dichloroethane	2	U
cis-1,2-Dichloroethene	0.9	J
2-Butanone	12	U
Bromochloromethane	2	U
Chloroform	5	и
1,2-Dichloroethane	2	U
1,1,1-Trichloroethane	2	U
	56	
Benzene	2	U
Trichloroethene	52	
1,2-Dichloropropane	2	U
Bromodichloromethane	2	U
cis-1,3-Dichloropropene	2	U
	12	U
Toluene	2	U
trans-1,3-Dichloropropene	2	U
		U
Tetrachloroethene	2	U
	12	U
		U
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	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	Chloromethane 2 Vinyl Chloride 2 Bromomethane 2 Chloroethane 2 Trichlorofluoromethane 2 1,1-Dichloroethene 2 Acetone 4 Carbon Disulfide 2 Methylene Chloride 2 trans-1,2-Dichloroethene 2 1,1-Dichloroethane 2 cis-1,2-Dichloroethane 2 2-Butanone 12 Bromochloromethane 2 Chloroform 5 1,2-Dichloroethane 2 1,1,1-Trichloroethane 2 Carbon Tetrachloride 56 Benzene 2 Trichloroethene 52 1,2-Dichloropropane 2 Bromodichloromethane 2 cis-1,3-Dichloropropene 2 4-Methyl-2-Pentanone 12 Toluene 2 trans-1,3-Dichloropropene 2 1,1,2-Trichloroethane 2 2-Hexanone 12

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

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Lab Name:	CAS/ROCH	1			Contract:	IT-Latham			
Lab Code:	10145	Cas	e No.:	R8-43894	SAS No	.: s	DG No.:	107429	7
Matrix: (soil/w	ater) <u>W</u>	ATER			Lat	Sample ID:	110093	6 2.5	
Sample wt/vol	l: <u>25</u>	5.0	(g/ml)	ML	Lab	File ID:	V9682.I)	
Level: (low/m	ed) LC)W			Dat	e Received:	5/16/08		
% Moisture: n	ot dec.				Dat	e Analyzed:	5/23/08		
GC Column:	DB-VRX	ID: <u>0.18</u>	<u>8</u> (m	m)	Dilu	ition Factor:	1.0		
Soil Extract Vo	olume:		(uL)		Soil	Aliquot Volu	me:		(uL)
				CON	CENTRAT	ION UNITS:			
CAS NO.		COMPO	UND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-	7	1,4-Dic	hlorobe	enzene	***************************************		2	U	
95-50-1		1,2-Dic	hlorobe	nzene			22	U	
96-12-8		1,2-Dib	romo-3	-chloropro	pane		2	U	

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 SAMPLE NO

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Lab Name:	CAS/RC	OCH		Contract:	IT-Lath	am		M-25D	
Lab Code:	10145		Case No.: <u>R8-4</u>	3894 SAS No).:	_ SD	G No.:	107429	97
Matrix: (soil/v	vater)	WATER	<u> </u>	La	b Sample	ID: _	100936	2.5	
Sample wt/vo	ol:	25.0	(g/ml) ML	La	b File ID:	_	/9682.D)	_
Level: (low/n	ned)	LOW		Da	te Recei	/ed: <u></u>	5/16/08		
% Moisture: r	not dec.			Da	te Analyz	ed: 5	5/23/08		_
GC Column:	DB-VF	X ID:	0.18 (mm)	Dile	ution Fac	tor: 1	.0		
Soil Extract V	olume:		(uL)	Soi	il Aliquot	Volum	e:		(uL)
Number TICs	found:	0		CONCENTRAT (ug/L or ug/Kg)					
CAS NO.		СОМРО	OUND NAME		RT	EST	. CONC	·	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA :	SA	MΡ	LE	NO
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4D

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	_	
Lab Code:	10145	c	ase No.:	R8-43894	SAS No	.:S	SDG No.: 107429	97
Matrix: (soil/v	vater)	WATER			Lat	Sample ID:	1100937 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V9679.D	
Level: (low/n	ned)	LOW			Dat	e Received:	5/16/08	_
% Moisture: r	not dec.				Dat	e Analyzed:	5/23/08	
GC Column:	DB-VF	RX ID: C).18_ (m	nm)	Dilu	ition Factor:	1.0	
Soil Extract V	'olume:		(uL)		Soil	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	Ū
75-00-3	Chloroethane		1	Ū
75-69-4	Trichlorofluoromethane		1	Ü
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		2	SU
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		5	· U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	(m+p) Xylene		1	U
1330-20-7	o-Xylene		1	U
100-42-5	Styrene		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	Ū
75-25-2	Bromoform		1	U
541-73-1	1,3-Dichlorobenzene		1	U

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4D

_ab Name:	CAS/RC)CH		Contract:	IT-Latham	_	
_ab Code:	10145	C	ase No.: <u>R8-43894</u>	SAS No	.: S	SDG No.: 107429	97
Matrix: (soil/w	vater)	WATER		Lat	o Sample ID:	1100937 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lat	o File ID:	V9679.D	_
_evel: (low/n		LOW	_	Da	te Received:	5/16/08	-
% Moisture: r			_	Da	te Analyzed:	5/23/08	-
GC Column:		X ID: 0	.18 (mm)	Dile	ution Factor:	1.0	_
Soil Extract V			(uL)	Soi	il Aliquot Volu	ume:	(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	1111	U
96-12-8	1,2-Dibromo-3-chloropropane	11111	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
87-61-6	1.2.3-Trichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	1	Э.
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Lab Name:	CAS/RC	OCH			Contract:	IT-Latha	am			
Lab Code:	10145	Ca	se No.:	R8-43894	SAS No	••	_ s	DG No.:	107429	7
Matrix: (soil/v	water)	WATER			Lat	Sample	ID:	1100937	1.0	
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lat	File ID:		V9679.D)	
Level: (low/n	ned)	LOW			Dat	te Receiv	ed:	5/16/08		
% Moisture: ı	not dec.				Dat	te Analyz	ed:	5/23/08		
GC Column:	DB-VF	<u>RX</u> ID: <u>0.</u>	18 (m	nm)	Dilu	ution Fac	tor:	1.0		
Soil Extract V	/olume:		(uL)		Soi	l Aliquot	Volu	me:		(uL)
				COI	NCENTRAT	ION UNI	TS:			
Number TICs	s found:	0		(ug/	L or ug/Kg)	<u>UG/</u>	L_			
CAS NO.		COMPOL	JND NA	ME		RT	ES	ST. CONC) .	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	CAS/RC	CH	•		Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R8-43894	SAS No	.: ;	SDG No.: 1	074297
Matrix: (soil/w	ater)	WATER	2		Lat	Sample ID	: 1100940 1	1.0
Sample wt/vo	l:	25.0	(g/ml)	ML	Lat	File ID:	V9680.D	
Level: (low/m	ed)	LOW			Dat	te Received	: 5/16/08	
% Moisture: n	ot dec.	. •			Dat	te Analyzed:	5/23/08	
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)

CONCENTRATION UNITS:

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET						DGC-3S		
Lab Name:	CAS/RC	СН			Contract:	IT-Latham		
Lab Code:	10145	C	ase No.: I	R8-43894	SAS No	o.: S	DG No.: 1074297	
Matrix: (soil/v	vater)	WATER			Lal	b Sample ID:	1100940 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	o File ID:	V9680.D	
_evel: (low/n	ned)	LOW			Da	te Received:	5/16/08	
% Moisture: r	not dec.				Da	te Analyzed:	5/23/08	
GC Column:	DB-VF	X ID: 0	.18 (mr	n)	Dife	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)		Soi	il Aliquot Volu	me: ((uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	111	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1111	U
87-61-6	1.2.3-Trichlorobenzene	1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO	٠
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Lab Name:	CAS/RC	CH		Contract:	IT-	Latham	D	GC-3S	
Lab Code:	10145		Case No.: R8-438	894 SAS No	o.: _	s	DG No.:	107429	97
Matrix: (soil/v	vater)	WATER	R	Lai	b Sa	mple ID:	1100940	1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lal	b File	e ID:	V9680.D	<u> </u>	
Level: (low/n	ned)	LOW		Da	te R	eceived:	5/16/08		
% Moisture: r	not dec.		····	Da	te A	nalyzed:	5/23/08		
GC Column:	DB-VF	RX ID:	0.18 (mm)	Dilu	ution	Factor:	1.0		
Soil Extract V	′olume: ַ		(uL)	Soi	il Alic	quot Volu	me:		(uL)
			С	ONCENTRAT	'ION	UNITS:			
Number TICs	found:	0	(L	ıg/L or ug/Kg)		UG/L			
CAS NO.		COMP	OUND NAME		RT	: ES	T. CONC	. (Q

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-4S

Lab Name:	CAS/RC	OCH			Contract:	IT-Latham	_	
Lab Code:	10145		Case No.:	R8-43894	SAS No	.: s	DG No.: 10	74297
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	1100941 1.0)
Sample wt/vo	oi:	25.0	(g/ml)	ML	Lab	File ID:	V9681.D	
Level: (low/n	ned)	LOW			Dat	e Received:	5/16/08	
% Moisture: r	not dec.				Dat	e Analyzed:	5/23/08	
GC Column:	DB-VF	X ID:	<u>0.18</u> (m	m)	Dilu	ition Factor:	1.0	
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		1	U
75-01-4	Vinyl Chloride		1	Ū
74-83-9	Bromomethane		1	Ū
75-00-3	Chloroethane		1	Ū
75-69-4	Trichlorofluoromethane		1	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		2	14.1
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		11	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	Ū
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	Ü
79-34-5	1,1,2,2-Tetrachloroethane		1	Ü
75-25-2	Bromoform		1	Ü
541-73-1	1,3-Dichlorobenzene		1	- U

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1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-4S

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Lab Name:	CAS/RO	СН		·	Contract:	IT-Latha	m			
Lab Code:	10145	Cas	se No.: R	8-43894	SAS No	o.:	SE	OG No.:	10742	97
Matrix: (soil/w	vater)	WATER	-		La	b Sample	ID:	1100941	1.0	
Sample wt/vo	ol:	25.0	(g/ml) <u>N</u>	ЛL	La	b File ID:		V9681.D)	_
_evel: (low/m	ned)	LOW	-		Da	te Receiv	ed:	5/16/08		_
% Moisture: n	ot dec.	,			Da	te Analyz	ed:	5/23/08		
GC Column:	DB-VR	K ID: <u>0.1</u>	8 (mm)	Dil	ution Fact	or:	1.0		
Soil Extract V	olume: _		_ (uL)		So	il Aliquot \	/olun	ne:		(uL)
				CON	CENTRAT	TION UNIT	rs:			
CAS NO		СОМРО	UND	(ug/L	or ug/Kg)	UG/I	-		Q	
106-46-	-7	1,4-Dic	chloroben	zene				1	U	7
95-50-1		1,2-Dic	hloroben	zene				1	U	
96-12-8		1 2-Dib	romo-3-c	hloropror	ane			1	11	

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE	NO	
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TENTATIVEET IDENTIFIED COMM CONDO							DCC 46		- 1
Lab Name:	CAS/RC	CH		Contract:	IT-Latha	m		GC-4S	
Lab Code:	10145	(Case No.: R8-	43894 SAS No).; 	SDO	G No.:	107429	7
Matrix: (soil/w	vater)	WATER	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Lal	b Sample	ID: <u>1</u>	100941	1.0	
Sample wt/vo	d:	25.0	(g/ml) ML	Lal	o File ID:	V	/9681.D)	
Level: (low/m	ned)	LOW		Da	te Receive	ed: <u>5</u>	/16/08		
% Moisture: r	not dec.			Da	te Analyze	ed: <u>5</u>	/23/08		
GC Column:	DB-VR	X ID:	0.18 (mm)	Dilu	ution Facto	or: <u>1</u>	.0		
Soil Extract V	olume:		(uL)	Soi	l Aliquot V	olume'	e:		(uL)
				CONCENTRAT	ION UNIT	S:			
Number TICs	found:	0		(ug/L or ug/Kg)	UG/L				
CAS NO.		СОМРО	OUND NAME		RT	EST.	CONC	;. (Q

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.
13D	

Contract: R2843894

Lab Code:

Case No.:

SAS No.:

SDG NO.: 1074297

Matrix (soil/water):

Lab Sample ID: 1100580

Level (low/med):

WATER

LOW

Date Received: 05/15/08

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

CAS No.	Analyte	Concentration	С	Q	М
7440-47-3	Chromium	13.2			P

Color Before: COLORLESS

Clarity Before:

CLEAR

Texture:

Color After:

COLORLESS

Clarity After:

CLEAR

Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.	
DUPE B		

Contract: R2843894

Lab Code:

Case No.:

SAS No.:

SDG NO.: 1074297

Matrix (soil/water):

WATER

Lab Sample ID: 1100709

Level (low/med):

LOW

Date Received: 05/15/08

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

CAS No.	Analyte	Concentration	С	Q	м
7440-47-3	Chromium	22.0			P

Color Before: YELLOW

Clarity Before:

CLEAR

Texture:

Color After: COLORLESS

Clarity After:

CLEAR

Artifacts:

Comments:

METALS

INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.	
M27D		

Contract: R2843894

Lab Code:

Case No.:

SAS No.:

SDG NO.: 1074297

Matrix (soil/water):

WATER

Lab Sample ID: 1100581

Level (low/med):

LOW

Date Received: 05/15/08

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

CAS No.	Analyte	Concentration	С	Q	м
7440-47-3	Chromium	1.0	В		P

Color Before: COLORLESS

Clarity Before:

CLEAR

Texture:

Color After: COLORLESS

Clarity After:

CLEAR

Artifacts:

Comments:

COLUMBIA ANALYTICAL SERVICES

Reported: 06/12/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #810066 Client Sample ID: 13D

Date Sampled: 05/14/08 14:35 Date Received: 05/15/08

Order #: 1100580

Sample Matrix: WATER

Submission #: R2843894

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZ	ED DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/15/08 10:39	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 06/12/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #810066

Client Sample ID : M27D

Sample Matrix: WATER

Date Sampled: 05/14/08 15:10 Order #: 1100581
Date Received: 05/15/08 Submission #: R2843894

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/15/08	10:39	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 06/12/08

Shaw Environmental

Project Reference: GE MRFA PROJECT #810066

Client Sample ID : DUPE B

Date Sampled: 05/14/08 Order #: 1100709 Sample Matrix: WATER

Date Received: 05/15/08 Submission #: R2843894

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/15/08	10:39	1.0

APPENDIX C DATA VALIDATION REPORTS

Data Validation Service Froj. 120 Cobble Creek Road P.O. Box 208 File Code:

North Creek, NY 12853

North Creek, NT 12855

Phone 518-251-4429 Facsimile 518-251-4428

July 1, 2008

Marc Flanagan Shaw Environmental 13 British American Blvd. Latham, NY 12110

RE: Validation of MRFA Malta Site Data Packages

CAS Sub Nos. R2842409 and R2843894

Dear Mr. Flanagan:

Review has been completed for the data packages generated by Columbia Analytical Services (CAS), pertaining to aqueous samples collected between 2/21/08 and 5/15/08 at the MRFA Malta Site. Eighteen samples (including two field duplicates), cooler blanks, and trip blanks were processed for site-specific low level volatiles. One of these, an additional sample, and a 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 identification summaries and case narratives are attached to this narrative, and should be reviewed in conjunction with this text. Data summary packages are also submitted with qualifiers applied in red ink to report forms.

Data Completeness

The summary package for package R2843894 does not include report or QC forms relating to the metals analyses. The full data package is complete.

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 from the May 2008 event both show low-level contamination of acetone. That cooler blank also shows low level detections of chloroform (also detected in some of the project samples) and three other analytes (not detected in project samples). The detected acetone and chloroform results for the samples collected in May 2008 are therefore considered external contamination, and edited to reflect non-detection ("U").

Matrix spikes (MS and MSD) of MRFA-Influent (2/08), Influent (5/08), and DGC-3S (5/08) show acceptable accuracy and precision.

Volatile field duplicate correlations for MRFA-Effluent (2/08) and Effluent (5/08) are well within validation guidelines.

Acetone exhibited low relative response factors (RRFs) (inherent with the methodology) in the calibration standards. The usability of those data is evidenced by spike recoveries and calibration standard responses, but the reporting limits and detected values for that compound in all of the project samples should be considered estimated ("UJ" or "J" qualifiers), possibly biased low.

Results for bromomethane in the samples collected February 2008 are qualified as estimated ("UJ") due to outlying initial calibration standard linearity (26%RSD).

Samples M-25D and M-29D were analyzed only at dilution due to anticipated elevated target analyte concentrations. The sample report forms should have reflected the dilution factors (of 2.5 and 2.0, respectively).

Holding times were met, and surrogate and internal standard responses are within required limits.

Total Chromium Analyses

The matrix spike/lab duplicate accuracy and precision determinations were performed on M-27D, and show recovery and duplicate correlation within recommended limits.

The 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 recovery and duplicate correlation 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.

Chain-of-Custody

Two of the samples were preserved with expired hydrochloric acid. The pHs were acceptable at sample receipt, and there is therefore no perceived effect on the data.

The collection times for two samples were reverved; this was resolved at sample receipt.

DUPE B was added to the chain-of-custody at sample receipt.

Preservation was not noted on the custody, but was indicated on the laboratory login forms.

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.

CLIENT and LABORATORY SAMPLE IDS and CASE NARRATIVES

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CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG#:1074297	26	RATCH COM	COMPLETE: ves		OATE BEVISED.	<u>خ</u>		
SUBMISSION R2843894	\ R2843894	DISKETT	EQUESTI		DATE DUE: 6/6/08			
CLIENT:	Shaw Environmental		89		PROTOCOL OLC2.1	LC2.1		•
CLIENT REP	CLIENT REP: Carlton Beechler	CUSTODY S	JY SEAL: PRESENT/ABSENT:		SHIPPING No.:	· i) ·;		
PROJECT:	GE MRFA PROJECT #810066	CHAIN	CHAIN OF CUSTODY: PRESENT/ABSENT:			ı		
CAS JOB#	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE	DATE	Hd	%	REMARKS
2100017		-		SAMPLED	RECEIVED (S	(SOLIDS)	SOLIDS	AMPLE CONDITION
11005/0	_	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
11005/1QC	-	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
1100572	EFFLUENT	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
1100573	M-29D	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
1100574	M-24D	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
1100575	M-11D	WATER		5/14/2008	5/15/2008			
1100576	M-33S	WATER		5/14/2008	5/15/2008			
1100577	M-33D	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
1100578	TRIP BLANK	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
1100579	COOLER BLANK	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
1100580		WATER	CR,CR6	5/14/2008	5/15/2008			
1100581QC	_	WATER	OLC2.1VOA,CR,CR6	5/14/2008	5/15/2008			
1100582	14D	WATER	OLC2.1VOA	5/14/2008	5/15/2008			
1100709	DUPE B	WATER	CR,CR6	5/14/2008	5/15/2008			
1100936	M-25D	WATER	OLC2.1VOA	5/15/2008	5/16/2008			
1100937	4D	WATER	OLC2.1VOA	5/15/2008	5/16/2008			•
1100940	DGC-3S	WATER	OLC2.1VOA	5/15/2008	5/16/2008			
1100941	DGC-4S	WATER	OLC2.1VOA	5/15/2008	5/16/2008			
							_	

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CASE NARRATIVE

COMPANY: Shaw Environmental GE MRFA Project #810066 SUBMISSION #: R2842409

Shaw samples were sampled on 2/21/08 and received at CAS on 2/22/08 in good condition.

VOLATILE ORGANICS

Three 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 MRFA-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 high. The MSD was within range. The data was not significantly affected. The MS for Trichloroethene (TCE) was outside acceptable range high and the MSD for TCE was outside of acceptable range low. Matrix interference is suspected. Also, results are calculated from estimated hits in the field sample. The Relative Percent Differences between the MS/MSD were within limits with the exception of Carbon Tetrachloride and TCE. The variability in the results is attributed to the heterogeneous character of the sample. Recovery in the Laboratory Control Samples (LCS) for Carbon Tetrachloride and Trichloroethene were 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 MRFA-INFLUENT outside the calibration range of the instrument and are flagged with an "E". The sample was reanalyzed at dilution to bring the over-range compounds within the calibration range of the instrument. Both sets of data are reported.

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

The Cooler Blank and Trip Blank associated with these samples were free of contamination with the exception of 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

CASE NARRATIVE

COMPANY: Shaw Environmental GE MRFA Project #810066 SUBMISSION #: R2843894

Page 1 of 2

Shaw samples were sampled on 5/14-15/08 and received at CAS on 5/15-16/08 in good condition and within 1-6 degrees C.

VOLATILE ORGANICS

Fifteen water samples and one trip blank were analyzed for Low Level Volatiles by OLC2.1 CLP methodology. A cooler blank was added to the SDG upon receipt.

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 samples INFLUENT and M27D as requested. 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 and Trichloroethene were detected in sample INFLUENT outside the calibration range of the instrument and are flagged with an "E". The sample was reanalyzed at dilution to bring the over-range compounds within the calibration range of the instrument. Both sets of data are reported.

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

The Cooler Blank and Trip Blanks associated with these samples were free of contamination with the exception of a low level hit of Acetone in the Trip Blank, and low level hits of Acetone, Chloroform, 1,2,4-Trichlorobenzene, Hexachlorobutadiene and 1,2,3-Trichlorobenzene in the Cooler Blank.

All samples were analyzed within CLP holding times.

No analytical or QC problems were encountered.

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)
12/4/2007	Total	840	120	0.58	0.08	0.67
12/5/2007	Total	1,030	150	0.72	0.10	0.82
12/6/2007	Total	750	90	0.52	0.06	0.58
12/7/2007	Total	950	90	0.66	0.06	0.72
12/8/2007	Total	860	90	0.60	0.06	0.66
12/9/2007	Total	760	110	0.53	0.08	0.60
12/10/2007	Total	770	120	0.53	0.08	0.62
12/11/2007	Total	770	120	0.53	0.08	0.62
12/12/2007	Total	940	140	0.65	0.10	0.75
12/13/2007	Total	940	150	0.65	0.10	0.76
12/14/2007	Total	860	120	0.60	0.08	0.68
12/15/2007	Total	840	120	0.58	0.08	0.67
12/16/2007	Total	840	140	0.58	0.10	0.68
12/17/2007	Total	910	150	0.63	0.10	0.74
12/18/2007	Total	980	170	0.68	0.12	0.80
12/19/2007	Total	950	170	0.66	0.12	0.78
12/20/2007	Total	820	160	0.57	0.11	0.68
12/21/2007	Total	910	170	0.63	0.12	0.75
12/22/2007	Total	910	180	0.63	0.13	0.76
12/23/2007	Total	660	120	0.46	0.08	0.54
12/24/2007	Total	670	130	0.47	0.09	0.56
12/25/2007	Total	750	130	0.52	0.09	0.61
12/26/2007	Total	670	120	0.47	0.08	0.55
12/27/2007	Total	850	150	0.59	0.10	0.69
12/28/2007	Total	850	150	0.59	0.10	0.69
12/29/2007	Total	750	140	0.52	0.10	0.62
12/30/2007	Total	680	120	0.47	0.08	0.56
12/31/2007	Total	760	130	0.53	0.09	0.62
1/1/2008	Total	690	100	0.48	0.07	0.55
1/2/2008	Total	770	130	0.53	0.09	0.63
1/3/2008	Total	860	140	0.60	0.10	0.69
1/4/2008	Total	770	120	0.53	0.08	0.62
1/5/2008	Total	550	90	0.38	0.06	0.44
1/6/2008	Total	600	100	0.42	0.07	0.49
1/7/2008	Total	540	80	0.38	0.06	0.43
1/8/2008	Total	730	120	0.51	0.08	0.59
1/9/2008	Total	830	140	0.58	0.10	0.67
1/10/2008	Total	830	130	0.58	0.09	0.67
1/11/2008	Total	890	130	0.62	0.09	0.71
1/12/2008	Total	780	120	0.54	0.08	0.63
1/13/2008	Total	650	110	0.45	0.08	0.53
1/14/2008	Total	830	130	0.58	0.09	0.67
1/15/2008	Total	840	130	0.58	0.09	0.67
1/16/2008	Total	920	150	0.64	0.10	0.74
1/17/2008	Total	740	120	0.51	0.08	0.60
1/18/2008	Total	920	160	0.64	0.11	0.75
1/19/2008	Total	750	120	0.52	0.08	0.60
1/20/2008	Total	650	100	0.45	0.07	0.52
1/21/2008	Total	760	110	0.53	0.08	0.60
1/22/2008	Total	860	80	0.60	0.06	0.65

		Well #2	Well #1	Well #2	Well #1	Total Daily
Date		Flow	Flow	Average	Average	Average Flow
		(gal)	(gal)	(gpm)	(gpm)	(gpm)
1/23/2008	Total	760	90	0.53	0.06	0.59
1/24/2008	Total	860	120	0.60	0.08	0.68
1/25/2008	Total	840	150	0.58	0.10	0.69
1/26/2008	Total	1,020	180	0.71	0.13	0.83
1/27/2008	Total	640	110	0.44	0.08	0.52
1/28/2008	Total	560	90	0.39	0.06	0.45
1/29/2008	Total	840	140	0.58	0.10	0.68
1/30/2008	Total	830	140	0.58	0.10	0.67
1/31/2008	Total	980	170	0.68	0.12	0.80
2/1/2008	Total	790	120	0.55	0.08	0.63
2/2/2008	Total	840	130	0.58	0.09	0.67
2/3/2008	Total	750	110	0.52	0.08	0.60
2/4/2008	Total	750	110	0.52	0.08	0.60
2/5/2008	Total	850	120	0.59	0.08	0.67
2/6/2008	Total	840	130	0.58	0.09	0.67
2/7/2008	Total	1,040	140	0.72	0.10	0.82
2/8/2008	Total	960	110	0.67	0.08	0.74
2/9/2008	Total	1,150	120	0.80	0.08	0.88
2/10/2008	Total	960	100	0.67	0.07	0.74
2/11/2008	Total	950	100	0.66	0.07	0.73
2/12/2008	Total	1,160	130	0.81	0.09	0.90
2/13/2008	Total	1,050	110	0.73	0.08	0.81
2/14/2008	Total	950	120	0.66	0.08	0.74
2/15/2008	Total	960	100	0.67	0.07	0.74
2/16/2008	Total	950	120	0.66	0.08	0.74
2/17/2008	Total	950	120	0.66	0.08	0.74
2/18/2008	Total	870	100	0.60	0.07	0.67
2/19/2008	Total	1,040	130	0.72	0.09	0.81
2/20/2008	Total	1,050	130	0.73	0.09	0.82
2/21/2008	Total	1,070	130	0.74	0.09	0.83
2/22/2008	Total	6,860	60	4.76	0.04	4.81
2/23/2008	Total	10,310	0	7.16	0.00	7.16
2/24/2008	Total	10,290	0	7.15	0.00	7.15
2/25/2008	Total	10,360	0	7.19	0.00	7.19
2/26/2008	Total	10,400	1,040	7.22	0.72	7.94
2/27/2008	Total	10,380	1,190	7.21	0.83	8.03
2/28/2008	Total	10,350	1,250	7.19	0.87	8.06
2/29/2008	Total	4,950	600	3.44	0.42	3.85
3/1/2008	Total	60	0	0.04	0.00	0.04
3/2/2008	Total	820	10	0.57	0.01	0.58
3/3/2008	Total	1,080	0	0.75	0.00	0.75
3/4/2008	Total	860	0	0.60	0.00	0.60
3/5/2008	Total	1,150	0	0.80	0.00	0.80
3/6/2008	Total	1,080	0	0.75	0.00	0.75
3/7/2008	Total	1,100	0	0.76	0.00	0.76
3/8/2008	Total	1,120	0	0.78	0.00	0.78
3/9/2008	Total	950	0	0.66	0.00	0.66
3/10/2008	Total	1,120	0	0.78	0.00	0.78
3/11/2008	Total	1,020	0	0.71	0.00	0.71
3/12/2008	Total	1,010	0	0.70	0.00	0.70
3/13/2008	Total	910	0	0.63	0.00	0.63
0/10/2000	iotai	510	U	0.00	0.00	0.00

		Well #2	Well #1	Well #2	Well #1	Total Daily
Date		Flow	Flow	Average	Average	Average Flow
		(gal)	(gal)	(gpm)	(gpm)	(gpm)
3/14/2008	Total	850	0	0.59	0.00	0.59
3/15/2008	Total	1,080	0	0.75	0.00	0.75
3/16/2008	Total	960	0	0.67	0.00	0.67
3/17/2008	Total	1,060	0	0.74	0.00	0.74
3/18/2008	Total	1,280	0	0.89	0.00	0.89
3/19/2008	Total	1,070	0	0.74	0.00	0.74
3/20/2008	Total	640	0	0.44	0.00	0.44
3/21/2008	Total	1,870	0	1.30	0.00	1.30
3/22/2008	Total	960	0	0.67	0.00	0.67
3/23/2008	Total	960	0	0.67	0.00	0.67
3/24/2008	Total	1,030	0	0.72	0.00	0.72
3/25/2008	Total	1,190	0	0.83	0.00	0.83
3/26/2008	Total	1,120	0	0.78	0.00	0.78
3/27/2008	Total	1,110	0	0.77	0.00	0.77
3/28/2008	Total	880	0	0.61	0.00	0.61
3/29/2008	Total	1,240	0	0.86	0.00	0.86
3/30/2008	Total	1,030	0	0.72	0.00	0.72
3/31/2008	Total	960	0	0.67	0.00	0.67
	Total		0		0.00	0.82
4/1/2008 4/2/2008	Total	1,180 1,110	0	0.82	0.00	0.82
	Total	1,110	0	0.77		0.85
4/3/2008	Total	1,230	0	0.05	0.00	0.05
4/4/2008						
4/5/2008	Total	0	0	0.00	0.00	0.00
4/6/2008	Total	0	0	0.00	0.00	0.00
4/7/2008	Total	0	0	0.00	0.00	0.00
4/8/2008	Total	0	0	0.00	0.00	0.00
4/9/2008	Total	0	0	0.00	0.00	0.00
4/10/2008	Total	0	0	0.00	0.00	0.00
4/11/2008	Total	0	0	0.00	0.00	0.00
4/12/2008	Total	0	0	0.00	0.00	0.00
4/13/2008	Total	0	0	0.00	0.00	0.00
4/14/2008	Total	0	0	0.00	0.00	0.00
4/15/2008	Total	10	0	0.01	0.00	0.01
4/16/2008	Total	0	0	0.00	0.00	0.00
4/17/2008	Total	0	0	0.00	0.00	0.00
4/18/2008	Total	10	0	0.01	0.00	0.01
4/19/2008	Total	0	0	0.00	0.00	0.00
4/20/2008	Total	0	0	0.00	0.00	0.00
4/21/2008		0	0	0.00	0.00	0.00
4/22/2008	Total	0	0	0.00	0.00	0.00
4/23/2008	Total	0	0	0.00	0.00	0.00
4/24/2008	Total	0	0	0.00	0.00	0.00
4/25/2008	Total	20	0	0.01	0.00	0.01
4/26/2008	Total	0	0	0.00	0.00	0.00
4/27/2008	Total	0	0	0.00	0.00	0.00
4/28/2008	Total	0	0	0.00	0.00	0.00
4/29/2008	Total	0	0	0.00	0.00	0.00
4/30/2008	Total	0	0	0.00	0.00	0.00
5/1/2008	Total	0	0	0.00	0.00	0.00
5/2/2008	Total	6,270	0	4.35	0.00	4.35
5/3/2008	Total	9,860	0	6.85	0.00	6.85

		Well #2	Well #1	Well #2	Well #1	Total Daily
Date		Flow	Flow	Average	Average	Average Flow
		(gal)	(gal)	(gpm)	(gpm)	(gpm)
5/4/2008	Total	9,890	0	6.87	0.00	6.87
5/5/2008	Total	9,260	0	6.43	0.00	6.43
5/6/2008	Total	0	0	0.00	0.00	0.00
5/7/2008	Total	0	0	0.00	0.00	0.00
5/8/2008	Total	1,970	0	1.37	0.00	1.37
5/9/2008	Total	1,850	0	1.28	0.00	1.28
5/10/2008	Total	0	0	0.00	0.00	0.00
5/11/2008	Total	0	0	0.00	0.00	0.00
5/12/2008	Total	4,640	0	3.22	0.00	3.22
5/13/2008	Total	0	0	0.00	0.00	0.00
5/14/2008	Total	0	0	0.00	0.00	0.00
5/15/2008	Total	1,140	0	0.79	0.00	0.79
5/16/2008	Total	7,710	0	5.35	0.00	5.35
5/17/2008	Total	9,960	0	6.92	0.00	6.92
5/18/2008	Total	1,500	0	1.04	0.00	1.04
5/19/2008	Total	1,090	0	0.76	0.00	0.76
5/20/2008	Total	1,140	0	0.79	0.00	0.79
5/21/2008	Total	1,040	0	0.72	0.00	0.72
5/22/2008	Total	1,210	0	0.84	0.00	0.84
5/23/2008	Total	1,090	0	0.76	0.00	0.76
5/24/2008	Total	1,330	0	0.92	0.00	0.92
5/25/2008	Total	860	0	0.60	0.00	0.60
5/26/2008	Total	1,090	0	0.76	0.00	0.76
5/27/2008	Total	980	0	0.68	0.00	0.68
5/28/2008	Total	1,330	0	0.92	0.00	0.92
5/29/2008	Total	1,260	0	0.88	0.00	0.88
5/30/2008	Total	990	0	0.69	0.00	0.69
5/31/2008	Total	1,100	0	0.76	0.00	0.76
6/1/2008	Total	1,030	0	0.72	0.00	0.72
6/2/2008	Total	1,030	0	0.72	0.00	0.72
6/3/2008	Total	980	0	0.68	0.00	0.68
6/4/2008	Total	1,200	0	0.83	0.00	0.83
6/5/2008	Total	1,140	0	0.79	0.00	0.79
6/6/2008	Total	680	0	0.47	0.00	0.47
6/7/2008	Total	2,960	0	2.06	0.00	2.06
6/8/2008	Total	0	0	0.00	0.00	0.00
6/9/2008	Total	0	0	0.00	0.00	0.00
6/10/2008	Total	3,270	0	2.27	0.00	2.27
6/11/2008	Total	0	0	0.00	0.00	0.00
6/12/2008	Total	0	0	0.00	0.00	0.00
6/13/2008	Total	4,350	0	3.02	0.00	3.02
6/14/2008	Total	0	0	0.00	0.00	0.00
6/15/2008	Total	0	0	0.00	0.00	0.00
6/16/2008	Total	0	0	0.00	0.00	0.00
6/17/2008	Total	2,690	0	1.87	0.00	1.87
6/18/2008	Total	5,660	0	3.93	0.00	3.93
6/19/2008	Total	0	0	0.00	0.00	0.00
6/20/2008	Total	0	0	0.00	0.00	0.00
6/21/2008	Total	0	0	0.00	0.00	0.00
6/22/2008	Total	0	0	0.00	0.00	0.00
6/23/2008	Total	0	0	0.00	0.00	0.00
6/24/2008	Total	0	0	0.00	0.00	0.00
6/25/2008	Total	7,630	0	5.30	0.00	5.30
6/26/2008	Total	9,780	0	6.79	0.00	6.79
6/27/2008	Total	9,830	0	6.83	0.00	6.83
6/28/2008	Total	2,930	0	2.03	0.00	2.03
6/29/2008	Total	0	0	0.00	0.00	0.00
6/30/2008	Total	0	0	0.00	0.00	0.00
Grand To		310,050	14,180	1.025	0.047	1.072