

FINAL SEMI-ANNUAL O&M REPORT REMEDIAL WORK ELEMENTS I, II AND IV REPORTING PERIOD DECEMBER 30, 2006 THROUGH JUNE 29, 2007

Malta Rocket Fuel Area Site Malta, New York

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Submitted to:

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TABLE OF CONTENTS _____

1.0	INTRODUCTION	1
2.0	O&M OF REMEDIAL WORK ELEMENT I (DRINKING WATER)	2
2.1	Remote Telemetry/Programmable Logic Controller	2
2.2		
2	2.2.1 Recovery Well Pump Inspection	3
2	2.2.2 100,000 Gallon Reservoir Inspection	
2	2.2.3 Air Stripper Tower Inspection	
2.3		
2	2.3.1 Water Flow Measurements	5
2	2.3.2 Blower Air Pressure	5
2.4	Water Quality Data	6
2	2.4.1 Sample Collection	6
2	P.4.2 VOC Analytical Results	6
3.0	O&M OF REMEDIAL WORK ELEMENT II (GROUNDWATER)	8
3.1	Sample Collection	8
3.2	Chromium Analytical Results	
3.3	VOC Analytical Results	
3.4	Comparison of Observed VOC Concentrations to Simulation Results	
4.0	INSTITUTIONAL CONTROLS	11
5.0	SUMMARY	12
5.1	Drinking Water	12
5.2	Early Warning Monitoring System (EWMS)	12

LIST OF TABLES

- 1 Maintenance Checklist
- 2 Equipment Log
- 3 Process Operating Report
- 4 Summary of Drinking Water Sampling Program, Preservatives, Holding Times and Containers
- 5 May 2007 Water Quality Analytical Results
- 6 Summary of Water Quality Analytical Results, Wells DGC-3S, DGC-4S, and 13S
- 7 Summary of Water Quality Analytical Results, Wells M-27S, M-27D, M-33S and M-33I
- 8 Summary of Water Quality Analytical Results, Wells 4D, 11D, M-24D, M-25D, M-29D and 13D

LIST OF FIGURES _____

- 1 Site Location Map
- 2 Well M-27D Carbon Tetrachloride Concentrations
- 3 Simulated Versus Observed (May 2007) Carbon Tetrachloride Concentrations at Well M-27D
- 4 Simulated Versus Observed (May 2007) Trichloroethene Concentrations at Well M-33S
- 5 Simulated Versus Observed (May 2007) Trichloroethene Concentrations at Well M-33I

LIST OF APPENDICES_____

- A. Laboratory Data, Influent/Effluent Water Samples, February 26, 2007
- B. Laboratory Data, Groundwater Samples–May 14 and 15, 2007 and Laboratory Data, Influent/Effluent Water Samples, May 14, 2007
- C. Data Validation Reports
- D. Air Stripper Flow Data

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 30, 2006 through June 29, 2007.

X/MG/MRFA/Semi-Annual Reports/Dec 30, 2006 thru June 29, 2007/Final Report

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 19, February 26, March 28, April 19, May 14, and June 14, 2007.

The groundwater treatment system is comprised of a packed tower air stripper. System influent and effluent samples were collected during the February 26 and May 14, 2007 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 0.409 and 1.732 gallons per minute (gpm), respectively, yielding an average daily combined flow of approximately 2.141 gpm. As a result of the limited use of the test station, these flows are less than those historically recorded.

Review of the analytical results for influent and effluent treatment system samples collected in February and May 2007 confirm that during the reporting period, the system effluent water quality was below the chemical specific effluent requirements presented in the O&M manual. Air stripper blower pressure readings, as well as the effluent water quality data, demonstrate that the air stripper packing material is not in need of cleaning or replacement. Additional discussions regarding air stripper flow, air stripper blower pressure readings and water quality sampling are presented 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 that were not activated on site during system O&M activities 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 are not known to cause significant disruption to the performance of the treatment system. The alarm conditions identified by the RTU during the reporting period confirmed the proper operation of the system and the RTU's effectiveness in notifying project personnel of alarm conditions.

2.2 Visual System Inspection

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

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

The system was found to be in good working order during the reporting period.

2.2.1 Recovery Well Pump Inspection

Recovery well pumps were inspected during the May 14, 2007 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 was 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.

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 biological growth was observed on the pump intake. Water and a cloth were used to wipe the growth off the intake. No other problems were observed with the pump and it was subsequently re-installed without incident. Following re-installation, the pump was restarted and associated piping was inspected for leaks in the well vault. Leaks within the vault were not observed.

2.2.2 100,000 Gallon Reservoir Inspection

The annual inspection of the 100,000 gallon reservoir was performed on May 14, 2007. On May 13, 2007 Shaw visited the site and observed the reservoir level at 7 feet, well below the usual full operating capacity of approximately 12.5 feet. That afternoon Shaw accessed the system remote telemetry unit to download recent pumping rate data. On May 1, 2007 the two recovery well flow rates increased approximately three-fold. The pumps were operating properly by trying to keep the reservoir full. On May 14, 2007 the reservoir level was 6 feet. During the following weeks the property owner determined a leak was occurring between the post-treated groundwater holding tank and the reservoir, thus not allowing for the full recharge of the reservoir, the repair was made by the owners.

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 from biological 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 followed for the duration of the inspection.

2.2.3 Air Stripper Tower Inspection

Shaw accessed the top section of the air stripper tower in June 2007. 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.

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 30, 2006 to June 29, 2007 are as follows:

Well RW-1D: 0.4062 gpm Well RW-2D: 2.0505 gpm System Avg: 2.4567 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 2.141 gpm for the reporting period. The average water flow rate calculated from field observations (2.4567) is statistically the same to the average daily water flow rate calculated from the data logger (2.141), 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.

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 3.60 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*,

<u>IT Corporation, Inc., January 15, 2002</u>. 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 26 and May 14, 2007 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 26 and May 14, 2007 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 was not detected above laboratory method detection limits during the February and May sampling events . TCE was detected at an estimated concentration of $0.3\mu g/l$ within the effluent sample collected during the February monitoring event and was not detected above laboratory method detection limits during the May event. The results for the February event qualified as estimated value by the laboratory because the observed concentration was less than the 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 26, 2007	24	ND	5
Tetrachloride	May 14, 2007	14	ND	5
TCE	February 26, 2007	34	0.3 J	5
	May 14, 2007	24	ND	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 concentrations of $3.0~\mu g/l$ in the February 26, 2007 and $1.7~\mu g/l$ in the May 14, 2007 air stripper influent samples. Chloroform was not detected in the air stripper effluent samples collected on February 26, 2007 and May 14, 2007. The drinking water system influent and effluent sample results for chloroform are summarized below.

Analyte	Date Sampled	Influent (µg/l)	Effluent (μg/l)	Criteria (µg/l)	
Chloroform	February 26, 2007	3.0	ND	70	
	May 14, 2007	1.7	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 98 percent for all volatile organic analytes.

3.1 Sample Collection

Modifications to the Early Warning Monitoring System (EWMS) monitoring program have been specified in <u>Addendum No. 1</u>, <u>Operations and Maintenance Manual</u>, <u>Remedial Work Element II-Groundwater</u>, <u>Malta Rocket Fuel Area Site</u>, <u>General Electric Company</u>, <u>January 31</u>, 2005 (Addendum No. 1). In accordance with the <u>Operations and Maintenance Manual for Remedial Work Element II - Ground Water</u>, <u>ERM Northeast</u>, <u>Inc.</u>, <u>January 22</u>, <u>1998</u>, (O&M-GW) and Addendum No. 1, unfiltered groundwater samples were collected on May 14 and 15, 2007 from the EWMS. In accordance with the <u>Five-Year Review Report</u>, <u>Malta Rocket Fuel Area Superfund site</u>, <u>United States Environmental Protection Agency (EPA)</u>, <u>September 24</u>, 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 and from well 29D for volatile organic compounds. Trip blanks were also analyzed.

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

Results of the May 2007 semi-annual EWMS sampling event are summarized in **Table 5**. The laboratory reports are presented in **Appendix B**. The data validation report is included in **Appendix C**. A summary of analytical results from 1987 through this reporting period for samples collected at locations currently included in the EWMS sampling program is provided in **Tables 6, 7**, 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 at well 13D indicates a concentration of 25.3 μ g/l that 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 27D.

Analytical results showed no detectable concentrations of hexavalent chromium at the method detection limit of 10 μ g/l for both groundwater samples. 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 9.6 μ g/l, 60 μ g/l (result from dilution), 14 μ g/l, 32 μ g/l (result from dilution) and 12 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**.

Chloroform was detected in wells M-24D, M-25D, M-27D M-29D and 11D at concentrations of 0.38J, 6.8 μ g/l (result from dilution), 1.5 μ g/l, 3.0 μ g/l (result from dilution) and 2.6 μ g/l, respectively. Chloroform was not detected in any of the other samples collected during this reporting period.

TCE was detected in monitoring wells in M-25D, M-27D M-29D and 11D at concentrations of 31 μ g/l (result from dilution), 15 μ g/l, 11 μ g/l (result from dilution) and 1.2 μ g/l respectively. Trichlorofluoromethane was also detected in monitoring well M-27D at an estimated concentration of 0.95 μ g/l. TCE and trichlorofluoromethane 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 revealed concentrations below project discharge objectives.

5.2 Early Warning Monitoring System (EWMS)

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

- Total chromium was detected at monitoring wells 13D and M-27D. Chromium detections collected from these two monitoring wells were 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 M-11D at concentrations of 9.6 μ g/l, 60 μ g/l (result from dilution), 14 μ g/l, 32 μ g/l (result from dilution) and 12 μ g/l, respectively. The NYSGWS for carbon tetrachloride is 5 μ g/l. All other water sample locations were non-detect for carbon tetrachloride during the reporting period.
- Chloroform was detected at wells M-24D, M-25D, M-27D M-29D and M-11D at concentrations of 0.38J μ g/l, 6.8 μ g/l (result from dilution), 1.5 μ g/l, 3.0 μ g/l (result from dilution) and 2.6 μ g/l, respectively. The NYSGWS for chloroform is 7 μ g/l.
- TCE was detected at wells M-25D, M-27D M-29D and M-11D at concentrations of 31 μ g/l (result from dilution), 15 μ g/l, 11 μ g/l (result from dilution) and 1.2 μ g/l respectively. Trichlorofluoromethane was detected at well M-27D with an estimated concentration of 0.95 μ g/l. The NYSGWS for both TCE and trichlorofluoromethane is 5 μ g/l.
- As shown in **Figures 3, 4** and **5**, simulated concentrations of carbon tetrachloride and TCE are much higher than the observed concentrations.

TABLES

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

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

TABLE 1

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

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

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

Date	Operator	Operational Status of System	Work Performed
1/19/07	Marc Flanagan	Arrival – OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
2/1/07	Marc Flanagan	Arrival - Not OK Departure – Not OK	Alarm response, low pressure, low blower amps.
2//07	Robert Hyde & Robert Adams	Arrival - Not OK Departure – OK	Replace motor and fuses for AS blower.
2/26/07	Marc Flanagan	Arrival – OK Departure – OK	Monthly O&M visit and system performance samples collected. System interlock testing performed – all OK.
3/28/07	Marc Flanagan & Robert Hyde	Arrival – OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
4/19/07	Marc Flanagan & Robert Adams	Arrival – OK Departure – OK	Monthly O&M visit. System interlock testing performed – all OK.
5/14/07	Marc Flanagan	Arrival - Not OK Departure – OK	RW-1 down, changed fuses, monthly O&M visit with performance sampling. System interlock testing performed, – all OK upon departure.
6/14/07	Marc Flanagan	Arrival - Not OK Departure – OK	RW-1 down, changed 3 fuses, monthly O&M visit. System interlock testing performed, – all OK upon departure.

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

1	2	3					4	Į.				5
DATE	TIME		WATER FI	LOWLINE 1	D			WATI	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	METER	RDG(GAL)	(DAYS)	THIS	PERIOD	
		RDG(GPM)			PERIOD	(GPM)	RDG(GPM)			PERIOD	(GPM)	
					(GAL)					(GAL)		
												Recorded in previous report, replicated here
12/29/2006	9:15	4.0	4,597,100	44	NA	NA	7.0	5,888,400	44	NA		for calculation purposes.
1/19/2007	11:40	4.6	4,609,000	21	11,900	0.39	7.4	5,907,000	21	18,600	0.62	
2/26/2007	10:30	2.3	4,623,600	38	14,600	0.27	8.0	5,967,500	38	60,500	1.11	
3/28/2007	9:00	2.4	4,636,100	30	12,500	0.29	7.2	6,014,200	30	46,700	1.08	
4/19/2007	11:30	3.2	4,646,100	22	10,000	0.32	7.8	6,047,100	22	32,900	1.04	
5/14/2007	9:30	2.2	4,675,100	25	29,000	0.81	7.0	6,204,700	25	157,600	4.38	
	40		4 600							44.0		DW 4.1
6/14/2007	12:30	0.0	4,682,500	31	7,400	0.17	7.0	6,319,500	31	114,800	2.57	RW-1 down
Summary				146	85,400	0.4062			146	431,100	2.0505	

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?	
1/19/2007	11:40	12 - 13	Hard to see	No	Yes-2.80	Monthly O&M visit.
2/1/2007	15:10	12 - 13	Hard to see	No	No	Low pressure alarm, low blower amps.
2/8/2007	9:00	12 - 13	Yes	No	No	Motor replacement and fuse replacement.
2/26/2007	10:30	12 - 13	Yes	Yes	Yes-3.60	Monthly O&M visit and system sample collection.
3/28/2007	9:00	12 - 13	Yes	No	Yes-3.20	Monthly O&M visit.
4/19/2007	11:30	12 - 13	Yes	No	Yes-3.20	Monthly O&M visit.
5/14/2007	9:30	~7	Yes	Yes	Yes-3.20	Monthly O&M visit and system sample collection. Change fuses in RW-1
6/14/2007	12:30	12 - 13	Yes	No	Yes-3.00	Monthly O&M visit. Changed 3 fuses in RW-1 now flow.

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

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

Notes:

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

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

	Remedial												
	Action		M-27D				DUP C (DL)						
Compound	Objective	M-27D	(MS/MSD)	M-24D	MW-11D	M-29D (DL)	(29D)	4D	14D	DGC-3S	DGC-4S	M-33I	M-33S
Acetone	50	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Carbon Disulfide	None*	1 U	1 U	1 U	1U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	14	20	9.6	12	32	33	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1.5	6	0.38 J	2.6	3	3	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	5	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	5	15	20	1 U	1.2	11	12	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5*	0.95 J	6	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium	50*	1.92 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Field Parameters

pН	 6.84	 7.39	6.65	7.25	 6.93	6.68	7.20	6.84	6.99	7.22
Temperature (celsius)	 6.89	 7.01	7.21	7.7	 6.68	6.58	8.91	7.69	7.52	6.74
Conductivity (umhos/cm)	 356	 317	460	438	 299	354	65	282	339	149
Dissolved Oxygen (ug/L)	 9.81	 11.91	10.05	7.34	 12.55	13.62	14.99	7.08	6.99	7.69
Turbidity (NTUs)	 0	 0	0.00	0	 75.00	0.00	0.00	110.00	0.00	0
Depth To Water (feet)	 35.47	 29.74	26.88	42.92	 36.31	40.11	9.18	4.69	28.40	10.68
Ground Water Elevation (feet)	 268.80	 290.83	300.67	291.74	 291.24	301.26	196.62	201.11	275.29	293.59

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. DL Indentifies all compounds analyzed at a secondary dilution factor.
- 8. NM Not measured due to equipment malfunction.
- 9. MS/MSD Matrix spike/matrix spike duplicate.

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

Remedial

	Action			DUP B	Trip
Compound	Objective	M-25D (DL)	M-13D	(13D)	Blank
Acetone	50	13 UJ	NA	NA	2.3 J
Carbon Disulfide	None*	2.5 U	NA	NA	1 U
Carbon Tetrachloride	5	60	NA	NA	1 U
Chloroform	7	6.8	NA	NA	1 U
2-Butanone	5	13 UJ	NA	NA	5 UJ
Trichloroethene	5	31	NA	NA	1 U
Trichlorofluoromethane	50*	2.5 U	NA	NA	1 U
Chromium	50*	NA	25.3	26.3	NA
Hexavalent Chromium	50*	NA	10 U	10 U	NA

Field Parameters

pH	 6.91	6.87	
Temperature (celsius)	 6.89	7.84	
Conductivity (umhos/cm)	 466	352	
Dissolved Oxygen	 2.87	0	
Turbidity (NTUs)	 0	29.7	
Depth To Water (feet)	 27.42	13.31	
Ground Water Elevation (feet)	 287.04	293.57	

Notes

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

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

Notes:

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

Only detected compounds are listed.

 $NA = Not \ analyzed.$

ND = Not detected.

NS = Not sampled.

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

 $dp = Duplicate \ sample.$

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

 $D = Concentration \ determined \ from \ a \ sample \ dilution.$

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

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

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

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for comparison purposes only.

 $** = Filtered\ Sample.$

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

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not sampled.

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

dp = Duplicate sample.

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

D = Concentration determined from a sample dilution.

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

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 DGC-3S	Action Objective	11/18- 11/19/1992	3/17- 3/18/1993	5/25- 5/26/1993	8/24- 8/25/1993	11/8- 11/9/1993	2/22- 2/23/1994	5/18- 5/19/1994	8/24- 8/25/1994	11/15- 11/16/1994	5/23/1995	10/17/1995
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
Carbon Disulfide Chromium	None* 50*	4 V 8.6 B	ND 48.1/ND*	0.3 J ND	0.2J 3.3B	ND ND	ND 31.2/ND*	ND V/ND V dp ND/ND dp	ND 5.6 B	ND ND	ND NA	ND NA
138		***		1		I.				I	1	
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
Γrichloroethene	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.

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

dp = Duplicate sample.

E = Estimated concentration: due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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

* 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.

** = Filtered Sampl

Rem	ed	ial

Wells / Compounds	Action											
DGC-3S	Objective	5/14/1996	10/23/1996	6/2/1997	10/14/1997	5/28/1998	10/29/1998	5/11/1999	10/26/1999	5/22/2000	10/24/2000	5/15/2001
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ead	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*	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
138												
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
richloroethene	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
Havavalant Chromium	50*	47	47	97	67	51	5401	71.0	178	262	41	12.3

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not sampled.

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

dp = Duplicate sample.

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

D = Concentration determined from a sample dilution.

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

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

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

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for comparison purposes only.

 $** = Filtered\ Sample.$

Remedial
Action

Wells / Compounds

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

Notes:

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.

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

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.

 $** = Filtered\ Sample.$

TABLE 7

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

JUNE 1992 - MAY 2007 SEMI-ANNUAL SAMPLING

Remedial

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

J = Estimated concentration.

 $dp = Duplicate \ sample.$

 $B=\mbox{The reported value}$ 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.

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

Remedial

Action

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

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

J = Estimated concentration.

 $dp = Duplicate \ sample.$

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

 $\label{eq:D} D = Indentifies \ compound \ analyzed \ at \ a \ secondary \ dilution \ factor.$

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

** = Filtered Sample.

TABLE 8 SUMMARY OF WATER QUALITY ANALYTICAL RESULTS MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D JUNE 1992 - MAY 2007 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
Acetone	50	ND	ND R	ND	ND	ND	5J	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND
11D								
Acetone	50	ND	ND R	ND	ND	ND	5J	ND
Carbon Tetrachloride	5	ND	6	4.6	13	14	15	12
Chloroform	7	ND	3	ND	4.0	3.0	4.0	3.0
Trichloroethene	5	9Ј	7	ND	0.8 J	0.9J	1 J	2.0
M-24D								
Acetone	50	ND	ND R	ND	ND	ND	5J	ND
Carbon Tetrachloride	5	10	0.7	0.59 J	10	10	11	11
Chloroform	7	ND	ND	ND	0.6 J	0.5J	0.5 J	0.44 J
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND
M-25D								
Acetone	50	ND	ND R	ND	ND	ND	49 J	25 JD
Carbon Tetrachloride	5	48	27R	86.8 D	81 D	91	76	71 D
Chloroform	7	ND	3R	8.7	8.0	9.0	8.0	7 D
Trichloroethene	5	3J	8R	16.1	35 D	37	28	22 D
M-29D								
Acetone	50	ND	ND R	ND	ND	ND	5 J	ND
Carbon Tetrachloride	5	79	84	10.8	38 D	37	39	33 D
Chloroform	7	ND	14	ND	4.0	5.0	5.0	4 D
Trichloroethene	5	19	24	6.0	14	13	14	12 D
13D								
Chromium	50*	98.4	38.9 J	4.5 B	78.3	60.8 J	11	17.1
Hexavalent Chromium	50*	NA	NA	10 U	10 U	10 U	10 U	14.2

Notes:

Units are $\mu g/l$ (ppb) unless otherwise stated. $D^* = \text{Concentration determined from a sample dilution.}$

Only detected compounds are listed. $\label{eq:J-Estimated} J = Estimated concentration.$

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

 $NA = Not \ analyzed. \\ \\ control \ limits.$

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

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

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

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

R = Analysis rejected

FIGURES

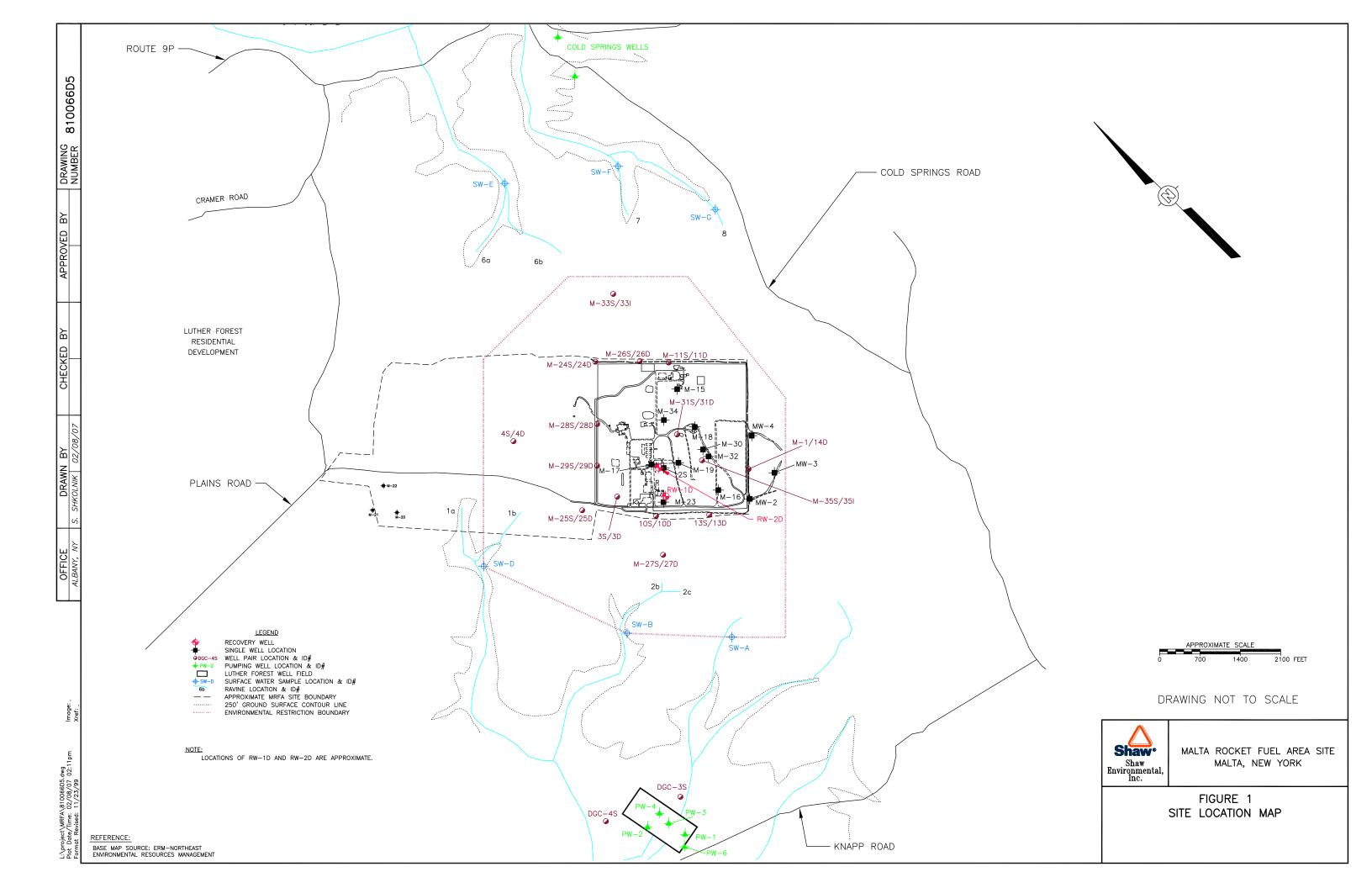


FIGURE 2
WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS

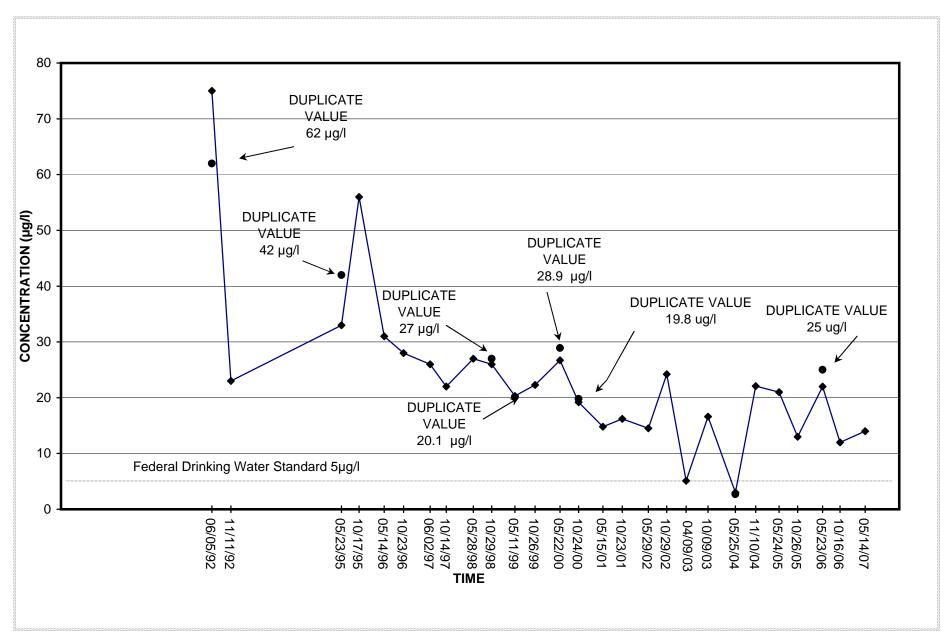


FIGURE 3 SIMULATED VERSUS OBSERVED (OCTOBER 2006) **CARBON TETRACHLORIDE CONCENTRATIONS** AT WELL M-27D

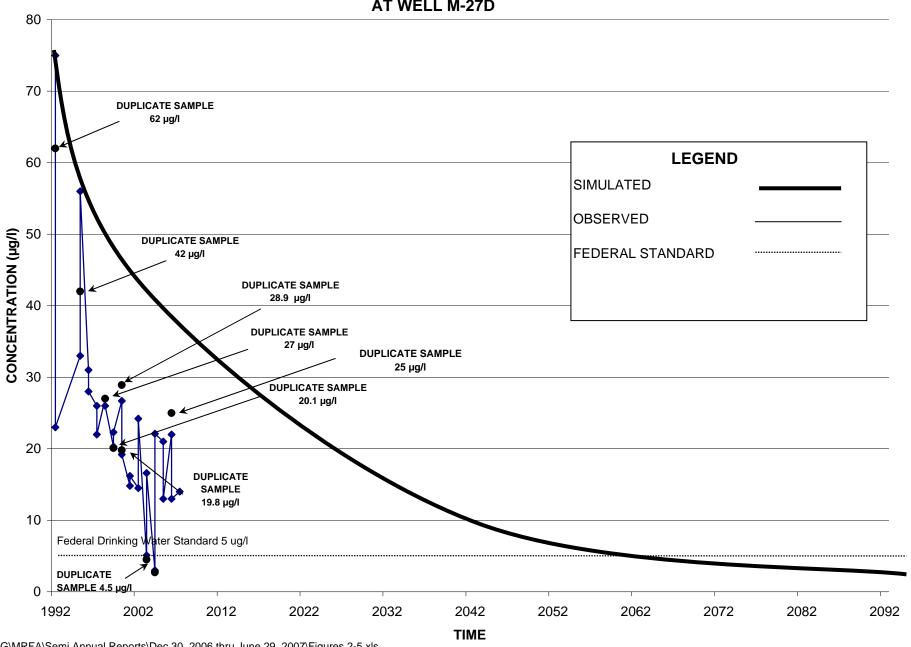


FIGURE 4
SIMULATED VERSUS OBSERVED (OCTOBER 2006)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33S

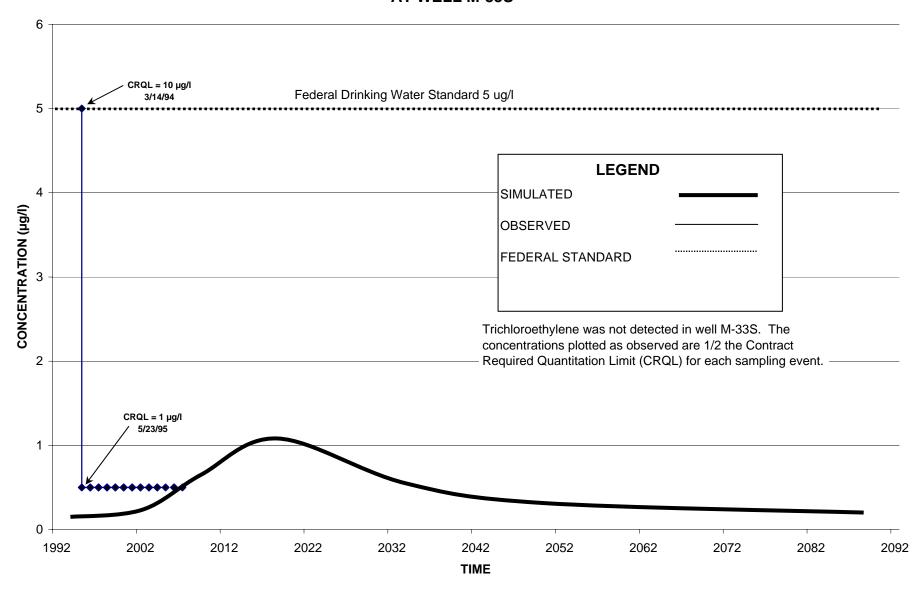
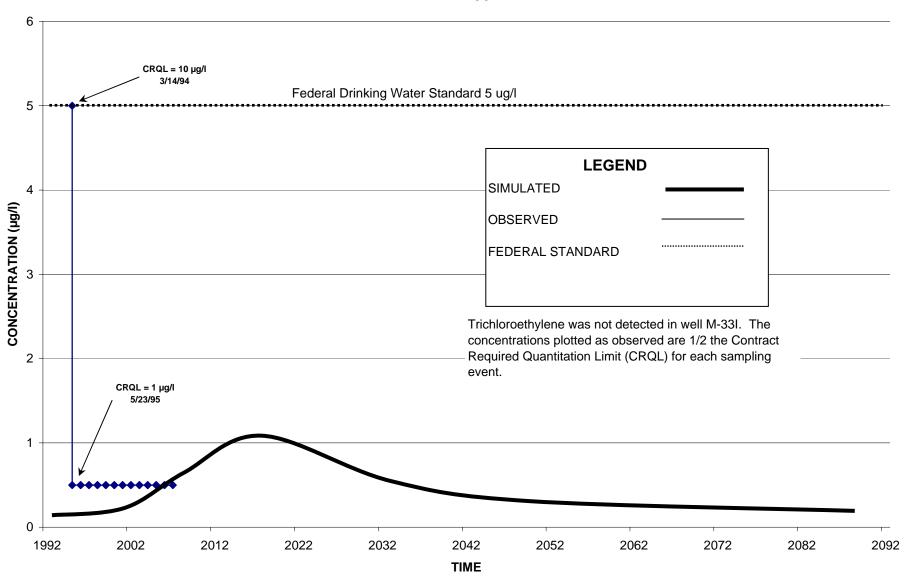


FIGURE 5 SIMULATED VERSUS OBSERVED (OCTOBER 2006) TRICHLOROETHENE CONCENTRATIONS AT WELL M-33I



APPENDIX A

LABORATORY DATA, INFLUENT/EFFLUENT WATER SAMPLES

FEBRUARY 26, 2007



March 28, 2007

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

Re: GE MRFA Project #810066 Submission # R2736382

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of four samples were received by our laboratory on February 27, 2007.

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

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

Thank you for your continued use of our services.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Janice M. Jaeger Project Chemist

enc.

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

cc: Mr. Steve Meier GE Corporate Environmental Programs 319 Great Oaks Blvd. Albany, NY 12203



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

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Shaw Environmental

Project Reference: GE MRFA PROJECT# 810066

Lab Submission # : R2736382

Project Manager : Janice Jaeger

Reported :

: 03/26/07

Report Contains a total of 40 pages

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

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

CASE NARRATIVE

COMPANY: Shaw Environmental GE MRFA Project #810066 SUBMISSION #: R2736382

Shaw samples were collected on 02/26/07 and received at CAS on 02/27/07 in good condition.

VOLATILE ORGANICS

Four water samples and one cooler blank were analyzed for OLC2.1 Volatiles by CLP methodology.

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on MRFA Influent as requested. All MS/MSD and Reference spike recoveries were within limits. All RPD's were within limits.

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

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

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 Manager or his designee, as verified by the following signature.

SDG #: MRFA			OMPLETE:yes		DATE REVI	SED:		
SUBMISSION	R2736382	DISKETT	E REQUESTED: Y_X N		DATE DUE:	3/23/07		
		DATE: 2/2	27/07		PROTOCOL	.: SW846		
	Janice Jaeger	CUSTOD	Y SEAL: PRESENT/ABSENT:		SHIPPING N	No.:		
PROJECT:	GE MRFA PROJECT# 810066	CHAIN O	F CUSTODY: PRESENT/ABSENT:					. •
CAS JOB#	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE	DATE	рН	%	REMARKS
								AMPLE CONDITION
981180 QC	MRFA INFLUENT	WATER	OLC 2.1 VOA	2/26/2007		/		
	MRFA EFFLUENT	WATER	OLC 2.1		2/27/2007			
	MRFA DUPE A	WATER	OLC 2.1		2/27/2007			
981183	TRIP BLANK	WATER			2/27/2007			<u> </u>
981184	COOLER BLANK	WATER	- OLC 2.1		2/27/2007			
			V		LIZITZOOT			
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ORGANIC QUALIFIERS

- U Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL. This flag is also used for DoD instead of "P" as indicated below.
- N Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P This flag is used for a pesticide/Aroclor target analyte when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P" ("J" for DoD).
- Q for DoD only indicates a pesticide/Aroclor target is not confirmed. This flag is used when there is ≥ 100% difference for the detected concentrations between the two GC columns.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- X As specified in Case Narrative.
- * This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

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

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

Analytical Services INC.

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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An Employee - Owned Company One Mustard www.caslab.com	d St., Suite 250 • Rochester, NY 14609	-0859 • (585) 288-5380 • 86	00-695-	7222 x11 •	FAX (585) 288-847	5 PA	GE _	1	OF		<u> </u>		AS Co	ntact	
Project Name GE MRFA	Project Number)66			AN	IALYSIS I	REQUE	STED (II	nclude	Method	l Num	ber an	d Cont	ainer F	reservative)	
Project Manager Brian Neumann Company/Address	I Report CC	dudy Harry	PRES	SERVATIV	E .	1										
Shaw En	vironmental, Inc		ERS	,	/ /	9		/ /						/ ,	/ / /	Preservative Key 0. NONE 1. HCL 2. HNO ₃
13 Britis Latham	NY 12110	yd	CONTAINERS		A COLP		O'T'D	S. TOTAL Comments hal	LVED Peromi		/ /	/ /	/ /	<i>' </i>		1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NãOH 5. Zn. Acetate 6. MeOH
(518) 783 - 1996 Sampler's Signature	Sampler's Printed Name	3 - 8397	NUMBER OF	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		7.00160 DES		10 E	USSO Minents				. /			7. NaHSO ₄ 8. Other
CLIENT SAMPLE ID	FOR OFFICE USE ONLY S LAB ID DAT	nagain Ampling E TIME MATRIX	7	SCIMS 7 8260	15 VO	PESTICIDES 02 04.		List in LS. METALS	(8) 41 18 18	/ /	/ . ,	/ ./	/ /	/ =	/ /	REMARKS/ NATE DESCRIPTION
MRFA Influent	9811f0 2/06	67 1045 GW	3		X		1	7			-		-+	\dashv	/ ALTERI	NATE DESCRIPTION
MRFA Influent (M5)	981180	1047	11				1				_				-	
MRFA Influent (MSD	98/180	1049												+		-
MRFA Effluent	98/181	1055												-		····
MRFA Dupe A	98/182	- V	V		V										7	1101
Trip Blank	981183	~					1							_		
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					24 hr X	48 h	r <u></u>	5 day	4	II. Result	s + QC S JP, MS/M	Summarie ISD as re	es equired)	ľ	PO#	
	Cooler Blank	- 98/184	C	RE	QUESTED					III. Resul	ts + QC :	and Calib	oration	ļ	BILL TO:	<i>C</i>
·	COURT									Summari	es			-	<u>GE</u>	<u>Cep</u>
				RE	QUESTED	REPORT DA	TE		-	. IV. Data \	/alidatior	Report	with Raw	- H	Albany	
See QAPP				-			_ :			V. Speica	lized For	mis / Cus	stom Repo		<u>R 258</u>	8504
SAMPLE RECEIPT: CONDITION/COO	LER TEMP: 3.0°C	CUSTODY SEA	ALS: (Y	S N		-						Yes			SUBMISSION #:	27363F2
RELINQUISHED BY	RECEIVED BY	RELINQUISHED	BY	·		RECEIVE	D BY				LINQUI	SHED E	ЗҮ		RE	CEIVED BY
Signature ML	Signatule	Signature		Sig	nature				Signal					8	Signature	
Printed Name Marc Flanagan	Printed Name	Printed Name	-	Pri	nted Name				Printe	l Name				F	Printed Name	
Firm Shaw	0001 FOF6 15T	Firm		Fir	m				Firm					F	irm	
Date/Time 2/86/07 1600	Date/Time	Date/Time`		Da	te/Time	11 1.		•	Date/1	ime				Ī	Date/Time	
																SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client	Shaw/	GF		Submission Num	ber /2.2.2	36383	. *
	on <u>ala7107</u> by:					_	•
 Were cust Were cust Did all bot Did any V Were Ice Where did Temperate Is the temp 	tody seals on outsitody papers proper of the arrive in good of the arrive in good of the packs present the bottles originate of cooler(s) upoperature within 0°	de of color of the conding of the conding of the color of	ooler? d out (i tion (u t air bu	ink, signed, etc.)? nbroken)? ubbles? Soc Yes	YES YES YES YES YES YES YES	NO NO NO NO CLIENT Yes	/A Yes
If No, Ex	plain Below		1	No No	No	No 1	No
Date/Time	e Temperatures Tal	ken: _	913	100 Edf	·		<u></u>
Thermome	eter ID: 161 or	IRC	GUN	Reading From:	Temp Blank	or Sample	Bottle
If out of Tempers	ature. Client App	roval	to Run	n Samples			
PC Secondary Rev							
= -	ottle labels comple	_		-	tc.)? YES	NO	
3. Were corre	ect containers used es: Cassettes / Tu	for the	e tests i		YES YES rized Tedlar@	NO NO Bags Inflated	i N/A
 Were corre Air Sample 	ect containers used es: Cassettes / Tu	for the	e tests i	indicated?		NO	i N/A Final pH
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3. Were corre 4. Air Sample Explain any discre pH ≥12	ect containers used es: Cassettes / Tu pancies: Reagent NaOH	for the	tests i	indicated? Canisters Pressur	rized Tedlar®	NO Bags Inflated	
3. Were corred. 4. Air Sample Explain any discres pH ≥12 ≤2	Reagent NaOH HNO ₃ H ₂ SO ₄	for the	tests i	indicated? Canisters Pressur	rized Tedlar®	NO Bags Inflated	
3. Were corre 4. Air Sample Explain any discre pH ≥12 ≤2 ≤2	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol	for the	NO	indicated? Canisters Pressur	rized Tedlar®	NO Dags Inflated Vol. Added	
3. Were corred. 4. Air Sample Explain any discres. pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol NO = Sar	YES pipes we	NO	Indicated? Canisters Pressur Sample I.D.	Reagent PC OK to adjus	NO Dags Inflated Vol. Added	
3. Were corred. 4. Air Sample Explain any discres. pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol NO = Sar	YES pipes we	NO	Sample I.D. rved at lab as listed	Reagent PC OK to adjus	NO Dags Inflated Vol. Added	
3. Were corred. 4. Air Sample Explain any discres. pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol NO = Sar OC Vial pH Verification Tested after Analysis) Following Samples	YES pipes we	NO	Sample I.D. rved at lab as listed	Reagent PC OK to adjus	NO Dags Inflated Vol. Added	
3. Were corred. 4. Air Sample Explain any discres. pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol NO = Sar OC Vial pH Verification Tested after Analysis) Following Samples	YES pipes we	NO	Sample I.D. rved at lab as listed	Reagent PC OK to adjus	NO Dags Inflated Vol. Added	
3. Were corred. 4. Air Sample Explain any discres. pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol NO = Sar OC Vial pH Verification Tested after Analysis) Following Samples	YES pipes we	NO	Sample I.D. rved at lab as listed	Reagent PC OK to adjus	NO Dags Inflated Vol. Added	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA INFL

Lab Name:	CAS/RC	OCH			Contract:	IT-LATHAN	<u> </u>		
Lab Code:	10145	<u>-</u>	Case No.:	R7-36382	SAS No.	: ;	SDG No.:	MRFA I	NF
Matrix: (soil/w	vater)	WATE	R	:	Lab	Sample ID:	981180	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V1912.)	
Level: (low/m	ned)	LOW		•	Dat	e Received:	2/27/07		
% Moisture: r	not dec.				Dat	e Analyzed:	2/28/07		
GC Column:	CA-62	4 ID:	<u>0.18</u> (m	ım)	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	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	UJ
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	. 1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	3	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	C
56-23-5	Carbon Tetrachloride	24	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	34 35	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	Ū
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ū
100-42-5	Styrene	1	· Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ū
75-25-2	Bromoform	1	Ū
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

.ab Name:	CAS/RO	ОСН			Contract:	IT-LATHAM	MRFA INFL
ab Code:	10145	C:	ase No.:	R7-36382	SAS No	o.: S	DG No.: MRFA INF
//atrix: (soil/	water)	WATER			Lal	b Sample ID:	981180 1.0
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lal	b File ID:	V1912.D
.evel: (low/r	ned)	LOW		•	Da	te Received:	2/27/07
6 Moisture:	not dec.				Da	te Analyzed:	2/28/07
GC Column:	CA-62	4 ID: 0	.18 (m	ım)	Dik	ution Factor:	1.0
Soil Extract \	/olume:		(at Y		Soi	Aliquot Volu	me: (ul

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPI	LE NO.
------------	-------	--------

Lab Name:	CAS/RC	CH	·		Contract:	IT-LATH	MAH	1411		
Lab Code:	10145		Case No.:	R7-36382	SAS No	.:	SE	G No.:	MRFA	INF
Matrix: (soil/v	vater)	WATE	?		Lat	Sample	ID:	981180	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:		V1912.E)	_
Level: (low/m	ned)	LOW			Dat	e Receiv	/ed: _	2/27/07		
% Moisture: r	not dec.				Dat	e Analyz	ed:	2/28/07		_
GC Column:	CA-62	4 ID:	<u>0.18</u> (n	nm)	Dilu	ition Fac	tor:	1.0		
Soil Extract V	olume:		(uL)		Soi	Aliquot	Volun	ne:		(uL)
		·	••	CON	ICENTRAT	ION UNI	TS:			
Number TICs	found:	0	·	(ug/l	_ or ug/Kg)	UG/	'L			· • •
CAS NO.		СОМР	OUND NAI	ИE		RT	EST	T. CONC). ·	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA INFLDL

Lab Name:	CAS/RC	CH			Contract:	IT-LATHAM	<u> </u>	·
Lab Code:	10145		Case No.:	R7-36382	SAS No	.: s	DG No.: M	RFA INF
Matrix: (soil/w	vater)	WATE	R		Lat	Sample ID:	981180 2.0	·
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V1915.D	
Level: (low/m	ned)	LOW			Dat	e Received:	2/27/07	
% Moisture: r	not dec.			ř	Dat	e Analyzed:	2/28/07	
GC Column:	CA-62	4_ ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	2.0	
Soil Extract V	olume:		(uL)		Soil	l 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 /	4	JD
75-15-0	Carbon Disulfide /	2	U
75-09-2	Methylene Chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane /	2	U
67-66-3	Chloroform	3	D
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	23	D
71-43-2	Benzene /	2	J
79-01-6	Trichloroethene	34	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-Methy/-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	Ü
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.

MRFA INFLDL

Lab Name:	CAS/RC	CH			Contract:	IT-LATHAM		7 IIII EL	~
Lab Code:	10145		Case No.:	R7-36382	SAS No	o.: S	DG No.:	MRFA	INF
Matrix: (soil/	water)	WATE	<u>R</u>		Lal	Sample ID:	981180	2.0	
Sample wt/ve	ol:	25.0	(g/ml)	ML	Lai	File ID:	V1915.E)	
Level: (low/r	ned)	LOW			Da	te Received:	2/27/07		
% Moisture:	not dec.		·		Da	te Analyzed:	2/28/07		
GC Column:	CA-62	4_ ID:	<u>0.18</u> (m	nm)	Dile	ution Factor:	2.0		
Soil Extract Volume:			(uL)		Soi	l Aliquot Volu	ıme:		(uL
				CON	CENTRAT	ION UNITS:			
CAS NO).	CO	MPOUND	(ug/l	or ug/Kg)	UG/L		Q	
106-46		14	1-Dichlorob	enzene		· · ·	./2	Т	

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	CH	,		Contract:	IT-LATHAM		A 1111 EDE
Lab Code:	10145		Case No.:	R7-36382	SAS No	.: S	DG No.:	MRFA INF
Matrix: (soil/w	vater)	WATER	2		Lat	o Sample ID:	981180	2.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V1915.D)
Level: (low/m	ned)	LOW			Da	te Received:	2/27/07	
% Moisture: n	not dec.				Dat	te Analyzed:	2/28/07	
GC Column:	CA-62	4 ID:	0.18 (n	nm)	Dilu	ution Factor:	2.0	· · · · · · · · · · · · · · · · · · ·
Soil Extract V	olume:		(uL)		. Soi	l Aliquot Volu	ıme:	(ı
Number TICs	found:	0			ICENTRAT	TION UNITS: UG/L		
CAS NO.		COMP	OUND NAI	 МЕ	/	RT ES	ST. CONC	C. Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA EFFL

Lab Name:	CAS/RO	OCH			Contract:	IT-LATHAM	WIN A LITE	
Lab Code: 10145		Case No.: R7-36382		SAS No	.: S	SDG No.: MRFA INF		
Matrix: (soil/w	vater)	WATE	R		Lat	Sample ID:	981181 1.0	
Sample wt/vol:		25.0 (g/ml) ML		ML	Lat	File ID:	V1911.D	
Level: (low/m	ned)	LOW			Dat	e Received:	2/27/07	
% Moisture: n	ot dec.				Dat	e Analyzed:	2/28/07	
GC Column:	CA-62	4_ ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:	<u> </u>	(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	52	100
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	UT
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.3	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	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	Ū
79-34-5	1,1,2,2-Tetrachloroethane	1	Ū
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA EFFL

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Lab Name:	CAS/RC	CH			Contract:	IT-LATHAI	<u>v</u>			
Lab Code:	10145	Ca	se No.:	R7-36382	SAS No	·:	SDG No.:	MRFA	INF	
Matrix: (soil/v	vater)	WATER	_		Lal	Sample ID	: 981181	1.0		
Sample wt/vo	ol:	25.0	_ (g/ml)	ML	Lal	File ID:	V1911.l	D .	- -	
Level: (low/n	ned)	LOW	· .	:	Da	te Received	: 2/27/07			
% Moisture: r	not dec.				Dat	te Analyzed	: 2/28/07			
GC Column: <u>CA-624</u> ID: <u>0.18</u>		18 (m	<u>B</u> (mm)		ution Factor	1.0		_		
Soil Extract Volume:			(uL)		Soi	l Aliquot Vo	lume:		(uL)	
				CON	CONCENTRATION UNITS:					
CAS NO		COMP	OUND	(ug/L	or ug/Kg)	UG/L		Q		
106-46	-7	1,4-D	ichlorobe	nzene		İ	1	U		

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

1,2-Dibromo-3-chloropropane

95-50-1

96-12-8

120-82-1 87-68-3

87-61-6

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E NO.
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Lab Name:	OCH				Contract: IT-LATHAI			MINITER EFFE			
Lab Code:	10145		Case No.:	R7-36	6382	SAS	lo.:		SDG No.:	MRFA	INF
Matrix: (soil/v	vater)	WATE	₹			L	ab S	Sample ID	: <u>981181</u>	1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML		, L	ab f	File ID:	V1911.)	_
Level: (low/n	ned)	LOW				. D)ate	Received	: 2/27/07		
% Moisture: r	not dec.					D	ate	Analyzed	: 2/28/07		
GC Column:	CA-62	4 ID:	0.18 (mm)		D	iluti	on Factor	: 1.0		_
Soil Extract Volume:		,	(uL)			S	oil A	Aliquot Vo	lume:		_ (uL)
				*	CON	CENTRA	ATIC	ON UNITS	:	••	• • • •
Number TICs	found:	0			(ug/L	or ug/Kg	3)	UG/L	·		
CAS NO.		COMP	OUND NA	ME		•	ı	RT E	ST. CON	3.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA DUPE A

Lab Name:	CAS/R	OCH			Contract:	IT-LATHAM	WING A DOP	
Lab Code: 10145 Case N			Case No.:	R7-36382	SAS No	.: S	DG No.: MRFA	INF
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	981182 1.0	
Sample wt/vol:		25.0	(g/ml)	ML	Lab	File ID:	V1914.D	_
Level: (low/n	ned)	LOW			Dat	e Received:	2/27/07	_
% Moisture: r	not dec.				Dat	e Analyzed:	2/28/07	_
GC Column:	CA-62	4 ID:	<u>0.18</u> (m	nm)	Dilu	tion 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	Ü
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	. 1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	J
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	UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	Ū
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	Ü
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	U
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

								I MDE	: A DIIDE	A	
Lab Name:	ab Name: CAS/ROCH						ATHAM		MRFA DUPE A		
Lab Code:	10145	Ca	se No.: R7	-36382	SAS No	o.:	S	DG No.:	MRFA II	NF	
Matrix: (soil/v	water)	WATER			La	b San	nple ID:	981182	1.0		
Sample wt/vo	ol:	25.0	(g/ml) Ml	L	La	b File	iD:	V1914.)		
Level: (low/n	ned)	LOW			Da	ite Re	ceived:	2/27/07		•	
% Moisture: ı	not dec.				Da	te An	alyzed:	2/28/07			
GC Column:	CA-62	4 ID: 0.	18 (mm)		Dil	ution	Factor:	1.0			
Soil Extract V	/olume: _	·	(uL)			il Aliq	uot Volu	me:		(uL)	
				CON	CENTRAT	ION I	UNITS:				
CAS NO),	COMP	DUND	(ug/L	or ug/Kg)	. 1	UG/L		Q		
106-46	j-7	1,4-D	ichlorobenze	ene			<u> </u>	1	·U	7.	
95-50-	1		ichlorobenze					1	Ü	7	
96-12-	В		ibromo-3-ch		pane			1	Ü	7	
120-82	<u>-1</u>		Trichlorober					1	Ū		
87-68-3	3	Hexad	chlorobutadi	ene				1	U		
87-61-6	3	1,2,3-	Trichlorober	zene				1	U		

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO)
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Lab Name:	CAS/RC	СН		>	Contract:	IT-LATHAI	м [MRF	A DUPI	ĒΑ	
Lab Code:	10145		Case No.	: R7-3638	2 SAS No	o.:	SDG	No.:	MRFA	INF	
Matrix: (soil/w	vater)	WATE	₹		La	b Sample ID): <u>98</u>	31182	1.0		
Sample wt/vo	ol:	25.0	(g/m) <u>ML</u>	Lal	b File ID:	V	1914.[)	_	
Level: (low/m	ned)	LOW			Da	te Received	: <u>2/</u>	27/07		_	
% Moisture: n	not dec.				Da	te Analyzed	: 2/	28/07		_	
GC Column:	CA-62	4_ ID:	0.18 (mm)	Dile	ution Factor	: <u>1.</u>	0			
Soil Extract Volume: _			(uL)		So	il Aliquot Vo	lume	e:		(u L)	į
					NCENTRAT		-				
Number TICs	found:	0	·	(ug.	/L or ug/Kg)	UG/L					
CAS NO		COMP		ME		RT F	ST	CONC	•	0]

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RC	OCH			Contract:	IT-LATHAM	THE DEAN	
Lab Code:	10145		Case No.:	R7-36382	SAS No	.:S	DG No.: MRFA	INF
Matrix: (soil/w	vater)	WATE	R		Lat	Sample ID:	981183 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V1916.D	
Level: (low/m	ned)	LOW			Dat	te Received:	2/27/07	_
% Moisture: r	not dec.				Dat	e Analyzed:	2/28/07	
GC Column:	CA-62	4_ ID;	<u>0.18</u> (m	nm)	Dilu	ıtion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	l Aliquot Volui	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	Ü
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1 .	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	. 1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	Ū
541-73-1	1,3-Dichlorobenzene	1	Ü

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

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TRIP BLANK Lab Name: CAS/ROCH Contract: IT-LATHAM Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF Matrix: (soil/water) WATER Lab Sample ID: 981183 1.0 (g/ml) ML Sample wt/vol: 25.0 Lab File ID: V1916.D LOW Level: (low/med) Date Received: 2/27/07 % Moisture: not dec. Date Analyzed: 2/28/07 GC Column: CA-624 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: 0

COMPOUND NAME

CAS NO.

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLK

Lab Name:	CAS/RO	OCH		·	Contract:	IT-LATHAM		
Lab Code:	10145		Case No.:	R7-36382	SAS No	.:s	DG No.:	MRFA INF
Matrix: (soil/	water)	WATE	R		Lat	Sample ID:	981184 1	.0
Sample wt/vo	ol:	25.0	(g/mi)	ML	Lat	File ID:	V1920.D	
Level: (low/r	ned)	LOW			Dat	e Received:	2/27/07	
% Moisture:	not dec.		·		Dat	e Analyzed:	2/28/07	·
GC Column:	CA-62	4_ ID;	<u>0.18</u> (m	ım)	Dilu	ition Factor:	1.0	
Soil Extract V	/olume:		(uL)		Soi	Aliquot Volu	me:	(uL

		CONCENTRATIO	ON UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluorom	ethane	1	U
75-35-4	1,1-Dichloroethe	ne	1	U
67-64-1	Acetone		5	UJ
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	UT
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-Trichloroeth	nane	1	U
56-23-5	Carbon Tetrachic	oride	1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropa	ane	1	U
75-27-4	Bromodichlorome	ethane	1	U
10061-01-5	cis-1,3-Dichloropi		1	U
108-10-1	4-Methyl-2-Penta		5	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloro	propene	. 1	U
79-00-5	1,1,2-Trichloroeth		1	U
127-18-4	Tetrachloroethene	•	1	U
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochlorome	thane	1	U
106-93-4	1,2-Dibromoethan	e	. 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	U
79-34-5	1,1,2,2-Tetrachlor	oethane	1	Ü
75-25-2	Bromoform	· · · · · · · · · · · · · · · · ·	1	Ü
541-73-1	1,3-Dichlorobenze	ne	1	U

Hexachlorobutadiene 1,2,3-Trichlorobenzene

87-68-3

87-61-6

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

1

U

Lab Name: CAS/ROC	CH	Contract: IT-LATHAM	COOLER B	LK
Lab Code: 10145	Case No.: R7-36382	SAS No.: S	DG No.: MRFA	INF
Matrix: (soil/water)	WATER	Lab Sample ID:	981184 1.0	
Sample wt/vol:	25.0 (g/ml) ML	Lab File ID:	V1920.D	
Level: (low/med) L	OW	Date Received:	2/27/07	-
% Moisture: not dec.	<u></u>	Date Analyzed:	2/28/07	-
GC Column: CA-624	ID: 0.18 (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	
95-50-1	1,2-Dichlorobenzene		1 U	
96-12-8	1,2-Dibromo-3-chloropro	pane	1 U	
120-82-1	1,2,4-Trichlorobenzene		1 U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RC	СН			Contract:	IT-LAT	НАМ	COC	LER B	LK
Lab Code:	10145		Case No.:	R7-36382	SAS No	.:	SD	G No.:	MRFA	INF
Matrix: (soil/w	vater)	WATE	₹		Lal	Sampl	e ID: 9	981184	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	File ID	: \	√1920.E)	
Level: (low/m	ned)	LOW			Da	te Rece	ived: 2	2/27/07		
% Moisture: r	not dec.				Da	te Analy	zed: 2	2/28/07		-
GC Column:	CA-62	D:	<u>0.18</u> (m	ım)	Dilu	ution Fa	ctor:	1.0		
Soil Extract V	olume:	 	(uL)		Soi	l Aliquo	Volum	ie:		(uL)
				CON	ICENTRAT	ION UN	IITS:			
Number TICs	found:	0		(ug/l	or ug/Kg)	UG	6/L			
CAS NO.		COMP	OUND NAI	ΛE		RT	EST	CONC	; .	Q

2A WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:CAS/ROCHContract:IT-LATHAMLab Code:10145Case No.:R7-36382SAS No.:SDG No.:MRFA INF

	EPA	SMC1	TOT
	SAMPLE NO.	#	OUT
01	VBLK01	98	0
02	LCS01	99	0
03	MRFA EFFL	97	0
04	MRFA INFL	95	0
05	MRFA DUPE A	96	0
06	MRFA INFLDL	95	0
07	TRIP BLANK	94	0
08	MRFA INFLDLM	\$ 99	0
09	MRFA INFLDLM	\$> 101	0
10	COOLER BLK	95	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

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	. 5.5	110	60 - 140
1,2-Dichloroethane	5.0	0.0	4.9	98	60 - 140
Carbon Tetrachloride	5.0	0.0	5.1	102	60 - 140
Benzene	5.0	0.0	4.9	98	60 - 140
Trichloroethene	5.0	0.0	5.0	100	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	4.8	96	60 - 140
Bromoform	5,0	0.0	5.1	102	60 - 140
1,4-Dichlorobenzene	5.0	0.0	4.8	96	60 - 140

COMMENTS:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS01

Lab Name:	CAS/RO	OCH			Contract:	IT-LATHAM	LC301	
Lab Code:	10145		Case No.: R	7-36382	SAS No	.: Si	DG No.: MRFA IN	۱F
Matrix: (soil/w	vater)	WATER	<u> </u>	4	Lab	Sample ID:	986425 1.0	
Sample wt/vo	d:	25.0	(g/ml) <u>N</u>	/L	Lab	File ID:	V1905.D	
Level: (low/m	ned)	LOW			Dat	e Received:		•
% Moisture: r	ot dec.				Dat	e Analyzed:	2/28/07	
GC Column:	CA-62	4 ID:	<u>0.18</u> (mm)	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	5	
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	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	5	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	·
10061-01-5	cis-1,3-Dichloropropene	5	· · · · · · · · · · · · · · · · · · ·
108-10-1	4-Methyl-2-Pentanone	5	Ü
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	Ų
124-48-1	Dibromochloromethane	5	· ·
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	4	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/RO	OCH			Contract:	IT-LATHAM		-0301
Lab Code:	10145		Case No.:	R7-36382	SAS No	.: 8	SDG No.:	MRFA INF
Matrix: (soil/v	water)	WATE	R		Lat	Sample ID:	986425	1.0
Sample wt/vo	ol:	25.0 ⁻	(g/ml)	ML	Lat	File ID:	V1905.D)
Level: (low/n	ned)	LOW	•		Dat	te Received:		
% Moisture: ı	not dec.				Dat	e Analyzed:	2/28/07	
GC Column:	CA-62	4_ ID:	<u>0.18</u> (m	ım)	Dilu	ution Factor:	1.0	
Soil Extract V	/olume:		(uL)		Soi	l Aliquot Volu	ıme:	(uL
			÷	CON	CENTRAT	ION UNITS:		

CAO NO.	(dg/L of dg/kg)	DG/L Q
106-46-7	1,4-Dichlorobenzene	. 5
95-50-1	1,2-Dichlorobenzene	. 5
96-12-8	1,2-Dibromo-3-chloropropane	4
120-82-1	1,2,4-Trichlorobenzene	5
87-68-3	Hexachlorobutadiene	5
87-61-6	1,2,3-Trichlorobenzene	5

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH

Contract: IT-LATHAM

Lab Code:

10145

Case No.: R7-36382 SAS No.: SDG No.: MRFA INF

Matrix Spike - EPA Sample No MRFA INFLDL

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	REC.
Vinyl Chloride	10	0.0	12	120	60 - 140
1,2-Dichloroethane	10	0.0	9.9	99	60 - 140
Carbon Tetrachloride	10	23	33	100	60 - 140
Benzene	10	0.0	10	100	60 - 140
Trichloroethene	10	34	43	90	60 - 140
1,2-Dichloropropane	10	0.0	10	100	60 - 140
cis-1,3-Dichloropropene	10	0.0	10.0	100	60 - 140
1,1,2-Trichloroethane	10	0.0	. 10	100	60 - 140
Tetrachloroethene	10	0.0	11	110	60 - 140
1,2-Dibromoethane	10	0.0	10	100	60 - 140
Bromoform	10	0.0	9.8	98	60 - 140
1,4-Dichlorobenzene	10	0.0	9.8	98	60 - 140

	SPIKE	MSD	MSD				
	ADDED	ADDED CONCENTRATION		%	QC LIMITS		
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	RPD	REC.	
Vinyl Chloride	10	11	110	9	30	60 - 140	
1,2-Dichloroethane	10	10	100	1	30	60 - 140	
Carbon Tetrachloride	10	33	100	0	30	60 - 140	
Benzene	10	10	100	0	30	60 - 140	
Trichloroethene	10	42	80	12	30	60 - 140	
1,2-Dichloropropane	10	11	110	10	30	60 - 140	
cis-1,3-Dichloropropene	10	9.8	98	2	30	60 - 140	
1,1,2-Trichloroethane	10	11	110	10	30	60 - 140	
Tetrachloroethene	10	10	100	10	30	60 - 140	
1,2-Dibromoethane	10	10	100	0	30	60 - 140	
Bromoform	10	10	100	2	30	60 - 140	
1,4-Dichlorobenzene	10	10	100	2	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.

Lab Name:	CAS/R	ОСН			Contract:	IT-LATHAM	MKFA INF	LDLMS
Lab Code:	10145	,	Case No.:	R7-36382	SAS No	.: S	DG No.: MR	FA INF
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	981180 2.0	MS
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V1917.D	
Level: (low/n	ned)	LOW			Dat	e Received:	2/27/07	
% Moisture: r	not dec.				Dat	e Analyzed:	2/28/07	
GC Column:	CA-62	4 ID:	<u>0.18</u> (m	nm)	Dilu	tion Factor:	2.0	
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	11	D
75-01-4	Vinyl Chloride	12	D
74-83-9	Bromomethane	9	D
75-00-3	Chloroethane	10	Ď
75-69-4	Trichlorofluoromethane	11	D
75-35-4	1,1-Dichloroethene	11	D
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	11	D
156-60-5	trans-1,2-Dichloroethene	10	D
75-34-3	1,1-Dichloroethane	10	D
156-59-2	cis-1,2-Dichloroethene	11	D
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	11	D
67-66-3	Chloroform	13	D
107-06-2	1,2-Dichloroethane	10	D
71-55-6	1,1,1-Trichloroethane	11	D
56-23-5	Carbon Tetrachloride	33	D
71-43-2	Benzene	10	D
79-01-6	Trichloroethene	43	D
78-87-5	1,2-Dichloropropane	10	D
75-27-4	Bromodichloromethane	10	D
10061-01-5	cis-1,3-Dichloropropene	10	D
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	D
10061-02-6	trans-1,3-Dichloropropene	10	D
79-00-5	1,1,2-Trichloroethane	10	D
127-18-4	Tetrachloroethene	11	D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	D
106-93-4	1,2-Dibromoethane	10	D
108-90-7	Chlorobenzene	11	D
100-41-4	Ethylbenzene	10	D
1330-20-7	(m+p) Xylene	21	D
1330-20-7	o-Xylene	10	D
100-42-5	Styrene	9	D
79-34-5	1,1,2,2-Tetrachloroethane	10	D
75-25-2	Bromoform	10	D
541-73-1	1,3-Dichlorobenzene	10	D

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA INFLDLMS

Lab Name:	CAS/RC	CH		Contract:	IT-LATHAM	WIRFA INFLDL	MIS
Lab Code:	10145		Case No.: R7-36382	SAS No	.:S	DG No.: MRFA II	NF
Matrix: (soil/w	ater)	WATE	₹	Lat	Sample ID:	981180 2.0 MS	
Sample wt/vol	:	25.0	(g/ml) <u>ML</u>	Lat	File ID:	V1917.D	-
Level: (low/m	ed)	LOW	· · · · · · · · · · · · · · · · · · ·	Dat	e Received:	2/27/07	
% Moisture: no	ot dec.			Dat	e Analyzed:	2/28/07	
GC Column:	CA-62	4_ ID:	<u>0.18</u> (mm)	Dilu	ition Factor:	2.0	
Soil Extract Vo	olume:		(uL)	Soil	Aliquot Volu	me:	(uL
						•	

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	·	Q
106-46-7	1,4-Dichlorober	zene		10	D
95-50-1	1,2-Dichlorober		10	D	
96-12-8	1,2-Dibromo-3-		8	D	
120-82-1	1,2,4-Trichlorob		10	D	
87-68-3	Hexachlorobuta		10	D	
87-61-6	1,2,3-Trichlorob	enzene		10	D

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA INFLDLMSD

Lab Name:	CAS/RO	CH			Contract:	IT-LATHAM	_ LING A INCEDE	
Lab Code:	10145		Case No.:	R7-36382	SAS No.	.: SI	DG No.: MRFA I	NF
Matrix: (soil/v	vater)	WATE	R		Lab	Sample ID:	981180 2.0 MSD)
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V1918.D	
Level: (low/n	ned)	LOW			Dat	e Received:	2/27/07	
% Moisture: r	not dec.				Dat	e Analyzed:	2/28/07	
GC Column:	CA-62	4 ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	2.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volum	me:	(uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	11	D
75-01-4	Vinyl Chloride	11	D
74-83-9	Bromomethane	9	D
75-00-3	Chloroethane	11	D
75-69-4	Trichlorofluoromethane	11	D
75-35-4	1,1-Dichloroethene	11	D
67-64-1	Acetone	3	JD
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	11	D
156-60-5	trans-1,2-Dichloroethene	10	D
75-34-3	1,1-Dichloroethane	11	D
156-59-2	cis-1,2-Dichloroethene	11	D
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	11	D
67-66-3	Chloroform	13	D
107-06-2	1,2-Dichloroethane	10	D
71-55-6	1,1,1-Trichloroethane	11	D
56-23-5	Carbon Tetrachloride	33	D
71-43-2	Benzene	10	D
79-01-6	Trichloroethene	42	D
78-87-5	1,2-Dichloropropane	11	D
75-27-4	Bromodichloromethane	10	D
10061-01-5	cis-1,3-Dichloropropene	10	D
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	D
10061-02-6	trans-1,3-Dichloropropene	10	D
79-00-5	1,1,2-Trichloroethane	11	D
127-18-4	Tetrachloroethene	10	D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	D
106-93-4	1,2-Dibromoethane	10	D
108-90-7	Chlorobenzene	10	D
100-41-4	Ethylbenzene	11	D
1330-20-7	(m+p) Xylene	21	D
1330-20-7	o-Xylene	10	D
100-42-5	Styrene	9	D
79-34-5	1,1,2,2-Tetrachloroethane	11	D
75-25-2	Bromoform	10	D
541-73-1	1,3-Dichlorobenzene	10	D

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MRFA INFLDLMSD

_ab Name:	CAS/R	OCH			Contract:	IT-LATHAM		- •
ab Code:	10145		Case No.:	R7-36382	SAS No	.: s	DG No.: MRFA IN	F
//atrix: (soil/	water)	WATE	R		Lat	Sample ID:	981180 2.0 MSD	
Sample wt/ve	ol:	25.0	(g/ml)	ML	Lat	File ID:	V1918.D	
.evel: (low/r	med)	LOW		:	Dat	e Received:	2/27/07	
6 Moisture:	not dec.				Dat	e Analyzed:	2/28/07	
SC Column:	CA-62	24_ ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor:	2.0	
Cail Extract \	/olumo:		/ul X		Cail	Allerrat Valu		/ s

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	—	Q
106-46-7	1,4-Dichloroben	zene		10	D
95-50-1	1,2-Dichloroben	zene		10	D
96-12-8	1,2-Dibromo-3-c	hloropropane		10	D
120-82-1	1,2,4-Trichlorobe			11	D
87-68-3	Hexachlorobutad		10	D	
87-61-6	1,2,3-Trichlorobe	1,2,3-Trichlorobenzene			D

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

 Lab Name:
 CAS/ROCH
 Contract:
 IT-LATHAM
 VBLK01

 Lab Code:
 10145
 Case No.:
 R7-36382
 SAS No.:
 SDG No.:
 MRFA INF

 Lab File ID:
 V1904.D
 Lab Sample ID:
 986424 1.0

 Date Analyzed:
 2/28/07
 Time Analyzed:
 11:47

 GC Column:
 CA-624
 ID:
 0.18
 (mm)
 Heated Purge:
 (Y/N)
 N

Instrument ID: GCMS#6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS01	986425 1.0	V1905.D	12:23
02	MRFA EFFL	981181 1.0	V1911.D	16:11
03	MRFA INFL	981180 1.0	V1912.D	16:49
04	MRFA DUPE A	981182 1.0	V1914.D	17:58
05	MRFA INFLDL	981180 2.0	V1915.D	18:37
06	TRIP BLANK	981183 1.0	V1916.D	19:14
07	MRFA INFLDLMS	981180 2.0 MS	V1917.D	19:43
08	MRFA INFLDLMSD	981180 2.0 MSD	V1918.D	20:20
09	COOLER BLK	981184 1.0	V1920.D	21:33

COMMENTS

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name:	CAS/RO	OCH			Contract:	IT-LATHAM	VBERGI	
Lab Code:	10145		Case No.: I	R7-36382	SAS No	.: s	DG No.: MRFA II	NF
Matrix: (soil/v	vater)	WATE	R		Lat	Sample ID:	986424 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V1904.D	•
Level: (low/n	ned)	LOW		:	Dat	e Received:		
% Moisture: r	not dec.			* *	Dat	e Analyzed:	2/28/07	
GC Column:	CA-62	4_ ID:	<u>0.18</u> (mr	m)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	l Aliquot Volu	ime:	(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	٦
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	Ū
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	Ū
108-90-7	Chlorobenzene	1	Ū
100-41-4	Ethylbenzene	1	Ü
1330-20-7	(m+p) Xylene	1	Ū
1330-20-7	o-Xylene	1	Ū
100-42-5	Styrene	1	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1	Ü
75-25-2	Bromoform	1	Ü
541-73-1	1,3-Dichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1

U

						l v	BLK01	
Lab Name:	CAS/RC	OCH		Contract:	IT-LATHAM			
Lab Code:	10145	Case No.	: <u>R7-36382</u>	SAS No	o: S	DG No.:	MRFA I	NF
Matrix: (soil/	water)	WATER		La	b Sample ID:	986424	1.0	
Sample wt/v	ol:	25.0 (g/m	l) ML	Lal	b File ID:	V1904.E)	
Level: (low/r	med)	LOW		Da	te Received:			
% Moisture:	not dec.			Da	te Analyzed:	2/28/07		
GC Column:	CA-62	4 ID: <u>0.18</u> (mm)	Dile	ution Factor:	1.0		
Soil Extract \	/olume:	(uL)		So	l Aliquot Volu	me:		(uL)
			CON	ICENTRAT	ION UNITS:			•
CAS NO). ·	COMPOUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	3-7	1,4-Dichlorol	benzene			1	U	7
95-50-	1	1,2-Dichlorol	penzene			1	U	
96-12-	8	1,2-Dibromo	-3-chloropro	pane		1	Ü	

1,2,4-Trichlorobenzene Hexachlorobutadiene 1,2,3-Trichlorobenzene

120-82-1

87-68-3 87-61-6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E NO.
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Lab Name:	CAS/RC	CH			Contract:	IT-LATH	AM L		DLAUI	
Lab Code:	10145		Case No.:	R7-36382	SAS No	•	SDG	No.:	MRFA	INF
Matrix: (soil/w	vater)	WATE	R		Lab	Sample l	ID: <u>98</u>	6424	1.0	
Sample wt/vo	l:	25.0	(g/ml)	ML	Lab	File ID:	<u>V1</u>	904.C)	
Level: (low/m	ned)	LOW			Dat	e Receive	ed:			<u>.</u> , .
% Moisture: n	ot dec.				Dat	e Analyze	ed: <u>2/2</u>	28/07		-
GC Column:	CA-62	1 ID:	<u>0.18</u> (m	nm)	Dilu	ition Facto	or: 1.0)		-
Soil Extract V	olume:		(uL)		Soi	Aliquot V	olume/	:		(uL)
Number TiCs	found:	0			ICENTRAT _ or ug/Kg)	ION UNIT				
CAS NO.		COMP	OUND NAM	ME		RT	EST.	CONC).	Q

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-LATHAM Lab Code: 10145 Case No.: R7-36382 SAS No.: SDG No.: MRFA INF V1876.D Lab File ID: BFB Injection Date: 2/27/07 Instrument ID: GCMS#6 BFB Injection Time: 12:04 ID: 0.18 GC Column: CA-624 (mm) Heated Purge: (Y/N) Ν

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	ABUNDANCE
50	8.0 - 40.0% of mass 95	21.0
75	30.0 - 66.0% of mass 95	54.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.7
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	50.0 - 120.0% of mass 95	103.7
175	4.0 - 9.0% of mass 174	7.5 (7.3)1
176	93.0 - 101.0% of mass 174	98.1 (94.6)1
177	5.0 - 9.0% of mass 176	6.6 (6.7)2

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

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

ſ	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
01	VSTD001/ 005	VSTD001/ 005	V1878.D	2/27/07	13:29
02	VSTD002/ 010	V\$TD002/ 010	V1879.D	2/27/07	14:06
03	VSTD005/ 025	VSTD005/ 025	V1880.D	2/27/07	14:50
04	VSTD010/ 050	VSTD010/ 050	V1881.D	2/27/07	15:26
05	VSTD025/ 125	VSTD025/ 125	V1882.D	2/27/07	16:23

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH			Contract:	IT-LATHAM	
Lab Code:	10145	Case No.	: R7-36382	SAS No	.: SDC	No.: MRFA INF
Lab File ID:	V1902.D			BFI	3 Injection Date	: 2/28/07
Instrument ID	CMS#6	<u> </u>		BFI	3 Injection Time	: 10:19
GC Column:	CA-624	ID: 0.18	(mm)	Hea	ated Purge: (Y/N	۷) N

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	ABUNDANCE
50	8.0 - 40.0% of mass 95	17.9
75	30.0 - 66.0% of mass 95	48.5
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	1.0 (1.0)1
174	50.0 - 120.0% of mass 95	97.4
175	4.0 - 9.0% of mass 174	7.0 (7.2)1
176	93.0 - 101.0% of mass 174	96.6 (99.2)1
177	5.0 - 9.0% of mass 176	6.3 (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:

	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
01	VSTD	VSTD	V1903.D	2/28/07	11:03
02	VBLK01	986424 1.0	V1904.D	2/28/07	11:47
03	LCS01	986425 1.0	V1905.D	2/28/07	12:23
04	MRFA EFFL	981181 1.0	V1911.D	2/28/07	16:11
05	MRFA INFL	981180 1.0	V1912.D	2/28/07	16:49
06	MRFA DUPE A	981182 1.0	V1914.D	2/28/07	17:58
07	MRFA INFLDL	981180 2.0	V1915.D	2/28/07	18:37
08	TRIP BLANK	981183 1.0	V1916.D	2/28/07	19:14
.09	MRFA INFLDLMS	981180 2.0 MS	V1917.D	2/28/07	19:43
10	MRFA INFLDLMSD	981180 2.0 MSD	V1918.D	2/28/07	20:20
11	COOLER BLK	981184 1.0	V1920.D	2/28/07	21:33

8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-LATHAM Lab Code: 10145 SAS No.: Case No.: R7-36382 SDG No.: MRFA INF Lab File ID (Standard): V1903.D Date Analyzed: 02/28/07 Instrument ID: GCMS#6 Time Analyzed: 11:03 GC Column: CA-624 ID: 0.18 Heated Purge: (Y/N) Ν

		104			· · · · · · · · · · · · · · · · · · ·		· ·
		IS1		IS2		IS3	
	·	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR ST	622832	6.11	516233	8.89	277240	10.75
	LOWER LIMIT	373699	5.61	309740	8.39	166344	10.25
	UPPER LIMIT	871965	6.61	722726	9.39	388136	11.25
	EPA SAMPLE					-	
	NO.						
01	VBLK01	628752	6.11	518506	8.89	268740	10.75
02	LCS01	611226	6.11	500069	8.89	275569	10.75
03	MRFA EFFL	623202	6.11	516616	8.89	266931	10.75
04	MRFA INFL	622913	6.11	514687	8.89	259389	10.75
. 05	MRFA DUPE A	606373	6.11	498057	8.89	254097	10.75
06	MRFA INFLDL	596277	6.11	488252	8.89	253921	10.75
07	TRIP BLANK	594367	6.11	481735	8.90	246594	10.75
08	MRFA INFLDL		6.11	489936	8.89	275583	10.75
09	MRFA INFLDL	603545	6.11	497869	8.89	278145	10.75
10	COOLER BLK	592275	6.11	490770	8.89	257411	10.75

IS1 =

= 1,4-Difluorobenzene

IS2

Chlorobenzene-d5

IS3

= Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% 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, 2007)
AND
LABORATORY DATA, INFLUENT/EFFLUENT WATER
SAMPLES (MAY 14, 2007)



June 14, 2007

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

Re: MRFA

Submission #R2737632

SDG # Effluent

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of fifteen water samples, two trip blanks and one cooler blank were received by our laboratory on May 15-16, 2007.

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

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

Thank you for your continued use of our services.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Janice M. Jaeger Project Chemist

enc.

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

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

CASE NARRATIVE

COMPANY: Shaw Environmental GE MRFA Project #810066 SUBMISSION #: R2737632

Shaw samples were sampled on 5/14-15/07 and received at CAS on 5/15-16/07 in good condition.

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 M-27D as requested. The Matrix Spike and Blank Spike recoveries were within limits. The Relative Percent Difference (RPD) between the duplicate analyses was within limits.

No analytical or QC problems were encountered.

VOLATILE ORGANICS

Fifteen water samples, two trip blanks and one cooler blank were analyzed for OLC2.1 Volatiles by CLP methodology.

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

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on M-27D and Influent as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) and Blank Spike recoveries were within limits. All RPD's between the MS/MSD were within limits.

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

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

All samples were analyzed within recommended holding times.

No analytical or QC problems were encountered.

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

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

DATE REVISED: DG #: EFFLUENT BATCH COMPLETE: yes DISKETTE REQUESTED: Y X N UBMISSION R2737632 DATE DUE: 6/6/07 RUSH PROTOCOL: SW846 LIENT: **Shaw Environmental** DATE: 5/17/07 LIENT REP: Janice Jaeger SHIPPING No.: CUSTODY SEAL: PRESENT/ABSENT: GE MRFA PROJECT #810066 ROJECT: CHAIN OF CUSTODY: PRESENT/ABSENT: CAS JOB # | CLIENT/FPA ID DATE рН MATRIX REQUESTED PARAMETERS DATE % REMARKS SAMPLED RECEIVED (SOLIDS) SOLIDS AMPLE CONDITION 1002848 EFFLUENT WATER OLC2.1 VOA 5/15/2007 5/14/2007 1002849QC INFLUENT WATER 5/14/2007 5/15/2007 OLC2.1 VOA 1002850 IDUPE A WATER OLC2.1 VOA 5/15/2007 5/14/2007 1002851 TRIP BLANK WATER 5/15/2007 OLC2.1 VOA 5/14/2007 1002852 COOLER BLANK WATER OLC2.1 VOA 5/15/2007 5/15/2007 1002853 DUPE B WATER CR,CR6 5/14/2007 5/15/2007 1002854 13D WATER 5/15/2007 CR.CR6 5/14/2007 1002855QC M-27D WATER 5/15/2007 OLC2.1 VOA, CR, CR6 5/14/2007 1002856 M-25D WATER 5/15/2007 OLC2.1 VOA 5/14/2007 1002857 14D WATER OLC2.1 VOA 5/14/2007 5/15/2007 1003117 M-11D WATER OLC2.1 VOA 5/16/2007 5/15/2007 1003118 M-24D WATER 5/16/2007 OLC2.1 VOA 5/15/2007 1003119 M-29D WATER OLC2.1 VOA 5/15/2007 5/16/2007 WATER OLC2.1 VOA 1003120 IDUPE C 5/15/2007 5/16/2007 1003121 WATER OLC2.1 VOA 5/15/2007 5/16/2007 **IM-33S** WATER 5/16/2007 1003122 M-33D OLC2.1 VOA 5/15/2007 DGC-3S WATER OLC2.1 VOA 5/15/2007 5/16/2007 1003124 WATER 5/16/2007 1003126 DGC-4S OLC2.1 VOA 5/15/2007 WATER 5/16/2007 OLC2.1 VOA 5/15/2007 1003127 TRIP BLANK OLC2.1 VOA 5/15/2007 5/16/2007 WATER 1003128 4D

رى

BDG #: EFFLU

BUBMISSION R2737632

BATCHIN1

0 BATCH COMPLETE: __yes____ DISKETTE REQUESTED: Y_X__ N___ DATE REVISED:

DATE DUE: 6/6/07 RUSH



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 # : R2737632

Project Manager : Janice Jaeger

Reported : 06/12/07

Report Contains a total of 113 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.







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 \geq 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

Analytical Services INC.

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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		1						•	

SR#			
CAS C	ontact		

Project Name GE MRF	Project Number	8100						AN	IALYS	IS RE	QUES	STED (Includ	le Met	hod i	Vumh	er and	Con	aína	or Dro	servat	tiva)		
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								'						·	ILLIM	auion:	ום ע-					HEVE	IVED BY	
Signature	Signature Auchol Jone	∧ Sig	gnature			s	Signature	9					Signa	ure					\dashv	Signatu	ure		101	•
F/01/1/2	Hachel Jo		inted Name			P	rinted N	lame					Printe	d Name						Printed	i Name			
J Vale	irm CASL	Fir				Fi	irm						Firm							Firm				
Date/Time 5/14/67 /600 E	S15/07 93	5 Da	te/Time			D	ate/Tim	ė					Date/1	ime						Date/Ti	ime			
Distribution: White - Return to Originator; Yellow	- Lab copy; Pink - Retained by Clic	ent																					SCC	C-1102-08

Analytical Services INC.

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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An Employee - Owned Company One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE & OF CAS Contact Project Name Project Number ANALYSIS REQUESTED (Include Method Number and Container Preservative) Project Manager Report CC **PRESERVATIVE** a. 0 Company/Address Preservative Key 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH CONTAINERS GCMS VO4'S GCMS SVO4'S GCMS SVO4'S GCVO4'S GCVO4'S GCVO4'S GCSTCDES DESTICIDES DCB'S GCB'S 5. Zn. Acetate MeOH Phone # FAX# NUMBER OF 7. NaHSO₄ 8. Other_ Sampler's Signature Sampler's Printed Name FOR OFFICE USE ONLY SAMPLING **CLIENT SAMPLE ID** LAB ID DATE TIME MATRIX REMARKS/ ALTERNATE DESCRIPTION M-27D 5-14-07 1405 GW X × M-27DMS 1407 X M-27D MSD 1409 X x M-25D 1435 no sample sent for m-250 JM 5/15/07 SPECIAL INSTRUCTIONS/COMMENTS TURNAROUND REQUIREMENTS REPORT REQUIREMENTS INVOICE INFORMATION Metals RUSH (SURCHARGES APPLY) _ I. Results Only _____ 5 day II. Results + QC Summaries PO# X STANDARD (LCS, DUP, MS/MSD as required) BILL TO: III. Results + QC and Calibration REQUESTED FAX DATE Summaries IV. Data Validation Report with Raw Data REQUESTED REPORT DATE V. Speicalized Forms / Custom Report See QAPP SUBMISSION #: Edata ____ Yes ____ No SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N RELINQUISHED BY RECEIVED BY RELINQUISHED BY RECEIVED BY RELINQUISHED BY RECEIVED BY Signature Signature Signature Signature Signature Printed Name Printed Name Printed Name Printed Name Printed Name Firm Firm Firm Date/Time

Date/Time

Date/Time

Date/Time

Date/Time

Cooler Receipt And Preservation Check Form

Project/Client_S	NIW			_Submiss	ion Num	ber <u>R</u> i	2-3763	<u>a</u>	.•	
Cooler received on	5/15/07 by:	RG	_CO	URIER:	CAS (UPS	FEDEX	VELC	CITY	CLIENT
 Were custod Did all bott Did any VO Were (ce) on Where did to 	dy seals on outside dy papers properly les arrive in good of A vials have sign Ice packs presen he bottles originat e of cooler(s) upon	filled conditi ificant t?	out (in on (ur air bu	nbroken)?			YES YES YES YES CAS/R	NO NO NO NO OC C	N/A LIENT	Λ,
Is the tempe	erature within 0°-	6° C?:		(Yes)	Yes	•	Yes	Yes	Y	es
If No, Expl	ain Below			No	No	•	No	No	Ne	0
Date/Time	Temperatures Tak	en:	٠	5/15/	07@	1015)			
Thermomet	er ID: 161 or	(IR G	UN	Reading	g From:	Temp	Blank	or (S	Sample E	Bottle
If out of Tempera PC Secondary Revi Cooler Breakdown 1. Were all bo	iew: UNU	5 15	¥07 [15]	07	by:_		AC VEO	NO		
 Did all bott Were correct 	le labels and tags a ct containers used s: Cassettes / Tu	agree v for the	vith cu tests	istody pa indicated	pers?		YES Tedlar	NO NO NO B Bags	Inflated	N/A)
 Did all bott Were correct Air Sample 	le labels and tags a ct containers used s: Cassettes / Tu	ngree v for the bes Int	vith cu tests act	istody parindicated Caniste	pers? ? rs Pressu	urized		NO NO ® Bags		N/A) Final pH
 Did all bott Were correct Air Sample 	le labels and tags a ct containers used s: Cassettes / Tu	agree v for the	vith cu tests	istody pa indicated	pers? ? rs Pressu	urized	Tedlard	NO NO ® Bags	Inflated Added	N/A Final pH
 Did all bott Were correct Air Sample Explain any discrept 	le labels and tags a ct containers used s: Cassettes / Tu pancies:	ngree v for the bes Int	vith cu tests act	istody parindicated Caniste	pers? ? rs Pressu	urized		NO NO ® Bags		N/A) Final pH
 Did all bott Were corred Air Sample Explain any discrep 	le labels and tags a ct containers used s: Cassettes / Tu pancies:	ngree v for the bes Int	vith cu tests act	istody parindicated Caniste	pers? ? rs Pressu	urized		NO NO ® Bags		N/A) Final pH
 2. Did all bott 3. Were correct 4. Air Sample Explain any discrep pH ≥12 	le labels and tags a ct containers used s: Cassettes / Tu pancies: Reagent NaOH	ngree v for the bes Int	vith cu tests act	istody parindicated Caniste	pers? ? rs Pressu	urized		NO NO ® Bags		N/A) Final pH
2. Did all bott 3. Were correct 4. Air Sample Explain any discrep pH ≥12 ≤2	le labels and tags act containers used s: Cassettes / Tubancies: Reagent NaOH HNO3 H ₂ SO ₄	ngree v for the bes Int	vith cu tests act	istody parindicated Caniste	pers? ? rs Pressu	urized		NO NO ® Bags		N/A) Final pH
2. Did all bott 3. Were correct 4. Air Sample Explain any discrep pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	le labels and tags a ct containers used s: Cassettes / Tu pancies: Reagent NaOH HNO ₃ H ₂ SO ₄	rigree v for the bes Int	vith cu tests act	istody parindicated Caniste	pers? ? rs Pressu	Re		NO NO B Bags		N/A) Final pH
2. Did all bott 3. Were corred 4. Air Sample Explain any discrep pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	le labels and tags a ct containers used s: Cassettes / Tu pancies: Reagent NaOH HNO ₃ H ₂ SO ₄	yes	vith cu tests act	stody parindicated Caniste Sample	pers? ? rs Pressu	Re	agent	NO NO B Bags		N/A) Final pH
2. Did all bott 3. Were corred 4. Air Sample Explain any discrep pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	le labels and tags a ct containers used s: Cassettes / Tu pancies: Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol NO = San OC Vial pH Verification (Tested after Analysis) Following Samples	yes	vith cu tests act	stody parindicated Caniste Sample	pers? ? rs Pressu I.D.	Re	agent	NO NO B Bags		N/A) Final pH

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An Employee - Owned Company www.caslab.com	One

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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

Project Name	Decions Number			T																		
GE MREA	Project Number	0066				A	NALYSIS	REQ	UEST	ED (In	clud	e Meth	od Ni	ımber	and C	ontaii	ner Pr	eserva	tive)			•
Project Manager	IReport CC		1 1	PRE	SERVATIVE					T			T.		T		Γ	T		Τ		
B. Neumann Company/Address	SI'I SYSTC	ier/Judy	rlary	<u> </u>	T		 						1]	ļ			<u></u>			
Shaw E	nvironmental, I	nc	,,		/		/					/	/	<i>'</i> /	/ /	' /	/ /	/ /	· /	Preser 0. NC	vative K NE	ey
	ish American			NUMBER OF CONTAINERS	/			/ .				/.	₹/	/						1. HC 2. HN	L 103	
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(518) 783-1996	(518) 7	183- 8397		l G	1 20	43	00/10	8	8/2	F		8	<i>'</i> /	/	/ /	/ /	/ ,	/ /	/	7. Na 8. Oth	nso ₄ ner	
Sampler's Signature	ISampler's Printed Name	anagan		MBE	1/20/6				9 G S' 7	Signi		./										
	FOR OFFICE USE ONLY	SAMPLING	Ţ	Įź	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	8/8	821/8	\8\8\	/\Z\.		ز (آ	<u>v</u> /										
CLIENT SAMPLE ID	LAB ID	DATE TIME	MATRIX		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	%		0.00	Z. Z.	Z Z	/ •	/	/	/				/ ^	ALTERN	REMARK	S/ CRIPTIO	N.
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M-29D		1210		П							7				 	<u> </u>	 	1				
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M-330		1420						_	\dashv		 			<u> </u>	 		<u> </u>				·	
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DGC-45		1 1 525		\prod				\dashv	_		┪				 		-	-				
Trip Blank			1	1	1						1			-				 				
40		5/15/00 1240	1	1						\neg	<u> </u>				 	<u> </u>		†				
SPECIAL INSTRUCTIONS/COMMENTS	·		-l	<u> </u>	TU	JRNAR	OUND RE	QUIRE	EMENT	rs		REPO	ORT RE	L Quiri	L EMENT	S	╁	IN/	/OICE	- INFORM	ATION	
Metals			*			_ RUSH	I (SURCHA	RGES A	APPLY)			I. Resu					1					
							48 I	nr	5 da	ay		II. Resu					PO			•		
		•			<u>-X</u>	_ STAN	DARD								s require	•	DILI	L TO:				
					REQUI	ESTED F	AX DATE					III. Resi Summa		C and C	alibration	1	Di Li					
·												IV. Data	Validati	on Repo	ort with F	Raw Data	a					
See QAPP					HEQUI	:51ED F	REPORT D	AIE				V. Speid	alized F	orms / (Custom F	Report				 -		
SAMPLE RECEIPT: CONDITION/COO	I ED TEMP	CUS	STODY SEAL	C. V			,					Edata		_Yes	N	lo	SUE	MISSION	l #:			\neg
RELINQUISHED BY	RECEIVED BY		LINQUISHED I		IN The state of th		RECEIVE	D BY				R	ELINQ	JISHE	D BY		-		REC	EIVED B	<u>'</u>	
Mr	Killey 11. Cook																					
Signature	Signature (OO)	Signature			Signatu	re					Signat	ire					Sign	ature				\dashv
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Thaw !	WP F0/10/12 TH	Firm			Firm						Firm						Firm					\neg
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istribution: White - Return to Originator; Yellow	- Lab Copy: Pink - Retained by Clier	nt			<u> </u>																SCOC-11	02-08

Cooler Receipt And Preservation Check Form

Project/Client				_Submissio	n Numb	oer_ R2737	632.	
Cooler received on	<u>dvolo7</u> by: <u>Y</u>	ML	_CO	URIER: (CAS (UPS FEDEX	VELOCITY	CLIENT
 Were custo Did all bott Did any VO Were Ice o Where did 	ody seals on outsidedy papers properly tles arrive in good OA vials have signed the bottles originate of cooler(s) upon	y filled conditi nificant nt? te?	out (in on (un air bu	broken)?	etc.)?	YES YES YES YES YES CAS/R	NO	/ A
Is the temp	erature within 0°-	6° C?:	, (Yes	Yes	Yes	Yes	Yes
If No, Exp	lain Below		2 1	No	No	No	No :	No
Date/Time	Temperatures Tak	ken: _	<u>dvol</u>	07	1015)		
Thermome	ter ID: 161 or	OR G	UN	Reading	From: '	Temp Blank	or Sample	Bottle
	tile labels comple	160 te (i.e.	analys	is, preserv	ation, et	AND c.)? YES	NO	
3. Were corre	tle labels and tags of containers used es: Cassettes / Tupancies:	for the	tests i	ndicated?		ized Tedlar	NO NO B Bags Inflate	d N/A
3. Were corre4. Air Sample	ct containers used es: Cassettes / Tu	for the	tests i	ndicated?	Pressur	YES	NO	d N/A Final pH
3. Were corre4. Air Sample	ct containers used es: Cassettes / Tu	for the	act	ndicated? Canisters	Pressur	ized Tedlar	NO B Bags Inflate	7
 Were corre Air Sample Explain any discret 	ct containers used es: Cassettes / Tu pancies:	for the	act	ndicated? Canisters	Pressur	ized Tedlar	NO B Bags Inflate	7
3. Were corre 4. Air Sample Explain any discrep pH	ct containers used es: Cassettes / Tu pancies: Reagent	for the	act	ndicated? Canisters	Pressur	ized Tedlar	NO B Bags Inflate	7
3. Were corre 4. Air Sample Explain any discre pH ≥12	ct containers used es: Cassettes / Tu pancies: Reagent NaOH	for the	act	ndicated? Canisters	Pressur	ized Tedlar	NO B Bags Inflate	7
3. Were corre 4. Air Sample Explain any discre pH ≥12 ≤2 ≤2 Residual Chlorine (+/-)	ct containers used es: Cassettes / Tupancies: Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol	for the	no tests i	ndicated? Canisters Sample I.D	Pressur	ized Tedlar	NO B Bags Inflate Vol. Added	7
3. Were corre 4. Air Sample Explain any discrep pH ≥12 ≤2 ≤2	ct containers used es: Cassettes / Tupancies: Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol	for the	no tests i	ndicated? Canisters	Pressur	ized Tedlar	NO B Bags Inflate Vol. Added	7
3. Were corre 4. Air Sample Explain any discre pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	ct containers used es: Cassettes / Tupancies: Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol	YES mples we	no tests i	ndicated? Canisters Sample I.D.	Pressur	Reagent PC OK to adju	NO B Bags Inflate Vol. Added	7
3. Were corre 4. Air Sample Explain any discre pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	ct containers used es: Cassettes / Tupancies: Reagent NaOH HNO ₃ H ₂ SO ₄ for TCN & Phenol NO = Sa OC Vial pH Verificatio (Tested after Analysis) Following Samples	YES mples we	no tests i	ndicated? Canisters Sample I.D.	Pressur	Reagent PC OK to adju	NO B Bags Inflate Vol. Added	7
3. Were corre 4. Air Sample Explain any discre pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	ct containers used es: Cassettes / Tupancies: Reagent NaOH HNO ₃ H ₂ SO ₄ for TCN & Phenol NO = Sa OC Vial pH Verificatio (Tested after Analysis) Following Samples	YES mples we	no tests i	ndicated? Canisters Sample I.D.	Pressur	Reagent PC OK to adju	NO B Bags Inflate Vol. Added	7
3. Were corre 4. Air Sample Explain any discre pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	ct containers used es: Cassettes / Tupancies: Reagent NaOH HNO ₃ H ₂ SO ₄ for TCN & Phenol NO = Sa OC Vial pH Verificatio (Tested after Analysis) Following Samples	YES mples we	no tests i	ndicated? Canisters Sample I.D.	Pressur	Reagent PC OK to adju	NO B Bags Inflate Vol. Added	7
3. Were corre 4. Air Sample Explain any discre pH ≥12 ≤2 ≤2 Residual Chlorine (+/-) YES = All samples OK	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol NO = Sa OC Vial pH Verificatio (Tested after Analysis) Following Samples Exhibited pH > 2	YES mples we	NO NO	ndicated? Canisters Sample I.D.	Pressur	Reagent PC OK to adju	NO B Bags Inflate Vol. Added	7

2A WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

 Lab Name:
 CAS/ROCH
 Contract:
 IT-Latham

 Lab Code:
 10145
 Case No.:
 R7-37632
 SAS No.:
 SDG No.:
 EFFLUENT

			•
	EPA	SMC1	TOT
	SAMPLE NO.	#	OUT
01	LCS01	104	0
02	VBLK01	101	0
03	EFFLUENT	102	0
04	TRIP BLANK	101	0
05	M-27D	101	0
06		101	0
07	M-11D	100	0
08	M-24D	99	0
09	M-29D	98	0
10		98	0
11	M-33S	98	0
12		101	0
13	DGC-3S	98	0
14	INFLUENT	96	0
15	INFLUENTMS	100	0
16	VBLK02	94	0
17	LCS02	98	0
18	INFLUENTMSD	98	0
19	M-27DMS	98	0
20	M-27DMSD	100	0
21	DGC-4S	98	0
22	TRIP BLANK	97	0
23	4D	96	0
24	DUPE A	93	0
25	INFLUENTDL	94	0
26	M-25D	98	0
27	DUPECDL	95	0
28	COOLER BLANK	93	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

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/ROCH			Contract:	IT-Lathan	n	EF	FLUENT
Lab Code:	10145	Case No.:	R7-37632	SAS No	.:	SDG	No.:	EFFLUEN
Matrix: /coil/	Motor) MAT	-D						

Matrix: (soil/water) WATER Lab Sample ID: 1002848 1.0 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3377.D

Level: (low/med) LOW Date Received: 5/15/07

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm) Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
74-87-3	Chloromethane				1
75-01-4	Vinyl Chloride			1	U 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			1	U
67-64-1	Acetone			1 5	U
75-15-0	Carbon Disulfide			1	UJ
75-09-2	Methylene Chlor				U
156-60-5	trans-1,2-Dichlor			1	U
75-34-3	1,1-Dichloroetha			 	
156-59-2	cis-1,2-Dichloroe			1	U
78-93-3	2-Butanone	NATION O		5	
74-97-5	Bromochloromet	hane		1	U
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroethar	ne		1	
71-55-6	1,1,1-Trichloroeth			1	U
56-23-5	Carbon Tetrachlo		-	1	U
71-43-2	Benzene	indo		1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloropropa	ne		1	U
75-27-4	Bromodichlorome	thane		1	U
10061-01-5	cis-1,3-Dichloropr			1	U
108-10-1	4-Methyl-2-Pentar	none		5	U
108-88-3	Toluene	10110		1	
10061-02-6	trans-1,3-Dichloro	propene		1	U
79-00-5	1,1,2-Trichloroetha	ane	 	1	U
127-18-4	Tetrachloroethene			1	
591-78-6	2-Hexanone			5	<u>U</u>
124-48-1	Dibromochloromet	hane			U
106-93-4	1,2-Dibromoethan			1	U
108-90-7	Chlorobenzene	<u> </u>		-	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-Tetrachloro	ethane		1	U
75-25-2	Bromoform	eu idi le		1	U
541-73-1	1,3-Dichlorobenzer	30		1	U
	1,0-Dichioroberizer	IE		1	U

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/R	ОСН		Contract: IT-Latham	EFFLUENT
Lab Code:	10145		Case No.: R7-37632	SAS No.: SE	OG No.: EFFLUENT
Matrix: (soil/v	vater)	WATE	R	Lab Sample iD:	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File ID:	V3377.D
Level: (low/n	ned)	LOW		Date Received:	5/15/07
% Moisture: r	not dec.			Date Analyzed:	5/24/07
GC Column:	DB-62	4 ID:	<u>0.18</u> (mm)	Dilution Factor:	1.0
Soil Extract V	olume:		(uL)	Soil Aliquot Volum	ne: (uL)

CAS NO. 106-46-7 95-50-1 96-12-8 120-82-1 87-68-3	COMPOUND	(ug/L or ug/Kg)	UG/L		Q		
106-46-7	1,4-Dichlorober	nzene		1	11		
95-50-1	1,2-Dichlorober				<u> </u>		
96-12-8	1,2-Dibromo-3-0				U		
	1,2,4-Trichlorob			1	U		
	Hexachlorobuta			1	U		
87-61-6				1	U		
07-01-0	1,2,3-Trichlorob	enzene	ı	1	- 11		

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO	١.
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Lab Name:	CAS/RO	OCH			Contract:	IT-	Latham	EF	FLUE	TV
Lab Code:	10145	C	ase No.: R	7-37632	SAS No	o.:	S	DG No.:	EFFL	UENT
Matrix: (soil/w	vater)	WATER			La	b Sa	mple ID:	1002848	3 1.0	
Sample wt/vo	d:	25.0	_ (g/ml) <u>M</u>	L	La	b Fil	e ID:	V3377.E)	
Level: (low/m	ned)	LOW	_		Da	ite R	eceived:	5/15/07		_
% Moisture: n	ot dec.				Da	ite A	nalyzed:	5/24/07		_
GC Column:	DB-62	4_ ID: <u>0</u> .	18 (mm)		Dil	ution	Factor:	1.0		-
Soil Extract Ve	olume:		(uL)		So	il Alic	quot Volu	me:		_ _ (uL)
				CON	CENTRAT	ION	UNITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)		UG/L	····		
CAS NO.		COMPOU	IND NAME			RT	ES	T. CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name.	CAS/R	OCH			Contract:	IT-Latham	1 <u> </u>		i
Lab Code:	10145		Case No.:	R7-37632	SAS No	.:	SDG No.:	EFFLUEN	1
Matrix: (soil/v	vater)	WATE	R		Lat	Sample I	D: 1002849	9 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V3390.E)	_
Level: (low/n	ned)	LOW			Dat	e Received	5/15/07		
% Moisture: r	not dec.				Dat	e Analyzed	: 5/24/07		
GC Column:	DB-62	4 ID:	<u>0.18</u> (m	nm)	Dilu	ition Factor	: 1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Vo	lume:		.1 '

		CONCENTRATIO	ON UNITS:		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
74-87-3	Chloromethane			1	U
75-01-4	Vinyl Chloride			1	U
74-83-9	Bromomethane			<u>-</u>	Ü
75-00-3	Chloroethane			1	U
75-69-4	Trichlorofluorome	ethane		 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 Chlori	de		1	U
156-60-5	trans-1,2-Dichlore			1	U
75-34-3	1,1-Dichloroethar		<u> </u>	1	U
156-59-2	cis-1,2-Dichloroe	thene			U
78-93-3	2-Butanone			5	UJ
74-97-5	Bromochlorometh	ane		1	U
67-66-3	Chloroform			2	
107-06-2	1,2-Dichloroethan	е		1	U
71-55-6	1,1,1-Trichloroeth			1	U
56-23-5	Carbon Tetrachlo			14	- 0 -
71-43-2	Benzene			1	U
79-01-6	Trichloroethene		24	-27	E
78-87-5	1,2-Dichloropropa	ne	+ - /	1	U
75-27-4	Bromodichloromet	hane		1	Ü
10061-01-5	cis-1,3-Dichloropro			1	U
108-10-1	4-Methyl-2-Pentan	one		5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichloro	propene		1	U
79-00-5	1,1,2-Trichloroetha	ne		1	U
127-18-4	Tetrachloroethene			1	U
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochloromet	nane		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-Tetrachloro	ethane		1	U
75-25-2	Bromoform			1	
541-73-1	1,3-Dichlorobenzen	Δ			U
. <u></u>	, .,o Didinoroberizeri		L	1	U

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

EPA SAMPLE NO.

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INFLUENT Lab Name: CAS/ROCH Contract: IT-Latham Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT Matrix: (soil/water) WATER Lab Sample ID: 1002849 1.0 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3390.D Level: (low/med) LOW Date Received: 5/15/07 % Moisture: not dec. Date Analyzed: 5/24/07 GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0 Soil Extract Volume: 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RO	ОСН			Contract:	IT-Lath	nam	IN	FLUEN	IT
Lab Code:	10145		Case No.:	R7-37632	SAS No).:	SD	G No.:	EFFL	UENT
Matrix: (soil/v	vater)	WATE	R		Lal	o Sampl	e ID: 1	002849	9 1.0	
Sample wt/vo	oi:	25.0	(g/ml)	ML	_ Lat	File ID	: \	/3390.[)	
Level: (low/m	ned)	LOW			Da	te Rece	ived: 5	/15/07		 .
% Moisture: r	not dec.				Dat	te Analy	zed: 5	/24/07		-
GC Column:	DB-62	4 ID:	<u>0.18</u> (m	ım)	Dilu	ition Fa	ctor: 1	.0		_
Soil Extract V	olume:		(uL)		Soi	l Aliquot	Volum	e:		_ _ (uL)
				CON	ICENTRAT	ION UN	IITS:			
Number TICs	found:	0	· 	(ug/l	or ug/Kg)	UG	6/L			
CAS NO.		COMP	OUND NAM	ΛE		RT	EST.	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTOL

Lab Name:	CAS/R	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-37632	SAS No	.: S	DG No.:	EFFLUEN1
Matrix: (soil/v	vater)	WATE	R		Lab	Sample ID:		
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V3406.D	
Level: (low/m	ned)	LOW			Dat	e Received:	5/15/07	
% Moisture: n	not dec.				Dat	e Analyzed:	5/24/07	
GC Column:	DB-62	4_ ID:	<u>0.18</u> (m	nm)	Dilu	tion Factor:	2.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me:	(ut

74-87-3 Chloromethane 2 U 75-01-4 Vinyl Chloride 2 U 74-83-9 Bromomethane 2 U 75-00-3 Chloroethane 2 U 75-69-4 Trichlorofluoromethane 2 U 75-35-4 1,1-Dichloroethene 2 U 67-64-1 Acetone 10 U 75-15-0 Carbon Disulfide 2 U 75-16-0 Carbon Disulfide 2 U 75-09-2 Methylene Chloride 2 U 156-60-5 trans-1,2-Dichloroethane 2 U 75-34-3 1,1-Dichloroethane 2 U 156-59-2 cls-1,2-Dichloroethane 2 U 74-97-5 Bromochloromethane 2 U 67-66-3 Chloroform 2 JD 107-06-2 1,2-Dichloroethane 2 U 71-43-2 Benzene 2 U 79-01-6 Trichloroethene	CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
75-01-4	74-87-3	Chloromethane				T
74-83-9 Bromomethane 2 U 75-00-3 Chloroethane 2 U 75-69-4 Trichloroffluoromethane 2 U 75-36-4 1,1-Dichloroethene 2 U 67-64-1 Acetone 10 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 78-93-3 2-Butanone 10 U 78-93-3 2-Butanone 10 U 74-97-5 Bromochloromethane 2 U 67-66-3 Chloroform 2 JD 107-06-2 1,2-Dichloroethane 2 U 71-43-2 Benzene 2 U 79-01-6 Trichloroethene 2 U 78-87-5 1,2-Dichloropropane 2 U 75-27-4 Bromodichloromethane <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
75-00-3						
Trichlorofluoromethane						7
75-35-4			ethane			+
67-64-1 Acetone 10 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-Dichloroethane 2 U 78-93-3 2-Butanone 10 U 74-97-5 Bromochloromethane 2 U 67-66-3 Chloroform 2 JD 107-06-2 1,2-Dichloroethane 2 U 71-55-6 1,1,1-Trichloroethane 2 U 71-43-2 Benzene 2 U 79-01-6 Trichloroethene 24 D 78-87-5 1,2-Dichloropropane 2 U 78-87-5 1,2-Dichloropropane 2 U 75-27-4 Bromodichloromethane 2 U 108-10-1 4-Methyl-2-Pentanone 10 U 108-88-3 Toluen						
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 cls-1,2-Dichloroethene 2 U 78-93-3 2-Butanone 10 U 78-93-3 2-Butanone 10 U 67-66-3 Chloroform 2 JD 107-06-2 1,2-Dichloroethane 2 U 71-55-6 1,1,1-Trichloroethane 2 U 56-23-5 Carbon Tetrachloride 13 D 79-01-6 Trichloroethene 24 D 78-87-5 1,2-Dichloropropane 2 U 75-27-4 Bromodichloromethane 2 U 108-10-1 4-Methyl-2-Pentanone 10 U 108-88-3 Toluene 2 U 100-40-6 trans-1,3-Dichloropropene 2 U 79-00-5			110			
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-Dichloroethane 2 U 78-93-3 2-Butanone 10 U 74-97-5 Bromochloromethane 2 U 67-66-3 Chloroform 2 JD 107-06-2 1,2-Dichloroethane 2 U 71-55-6 1,1,1-Trichloroethane 2 U 56-23-5 Carbon Tetrachloride 13 D 71-43-2 Benzene 2 U 79-01-6 Trichloroethene 24 D 78-87-5 1,2-Dichloropropane 2 U 75-27-4 Bromodichloromethane 2 U 108-10-1 4-Methyl-2-Pentanone 10 U 108-88-3 Toluene 2 U 108-88-3 Toluene 2 U 100-10-2-6 trans-1,3-						
156-60-5 trans-1,2-Dichloroethene	75-09-2					
75-34-3 1,1-Dichloroethane 2 U 156-59-2 cis-1,2-Dichloroethene 2 U 78-93-3 2-Butanone 10 U 74-97-5 Bromochloromethane 2 U 67-66-3 Chloroform 2 JD 107-06-2 1,2-Dichloroethane 2 U 71-55-6 1,1,1-Trichloroethane 2 U 56-23-5 Carbon Tetrachloride 13 D 71-43-2 Benzene 2 U 79-01-6 Trichloroethene 24 D 78-87-5 1,2-Dichloropropane 2 U 75-27-4 Bromodichloromethane 2 U 108-10-1 4-Methyl-2-Pentanone 10 U 108-88-3 Toluene 2 U 108-10-1 4-Methyl-2-Pentanone 10 U 108-88-3 Toluene 2 U 108-10-1 4-Methyl-2-Pentanone 10 U 108-8-3 Toluene	156-60-5			- 	/2	
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71-55-6 1,1,1-Trichloroethane 2 U 56-23-5 Carbon Tetrachloride 13 D 71-43-2 Benzene 2 U 79-01-6 Trichloroethene 24 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 10 U 108-88-3 Toluene 2 U 1061-02-6 trans-1,3-Dichloropropene 2 U 79-00-5 1,1,2-Trichloroethane 2 U 127-18-4 Tetrachloroethene 2 U 127-18-4 Tetrachloroethene 2 U 591-78-6 2-Hexanone 10 U 106-93-4 1,2-Dibromoethane 2 U 108-90-7 Chlorobenzerie 2 U 100-41-4 Ethylbenzerie 2 U 1330-20-7	107-06-2		ne	1/		
56-23-5 Carbon Tetrachloride 13 D 71-43-2 Benzene 2 U 79-01-6 Trichloroethene 24 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 10 U 108-88-3 Toluene 2 U 10061-02-6 trans-1,3-Dichloropropene 2 U 79-00-5 1,1,2-Trichloroethane 2 U 127-18-4 Tetrachloroethene 2 U 591-78-6 2-Hexanone 10 U 124-48-1 Dibromochloromethane 2 U 106-93-4 1,2-Dibromoethane 2 U 108-90-7 Chlorobenzene 2 U 100-41-4 Ethylbenzene 2 U 1330-20-7 0-Xylene 2 U 100-42-5 Sty	71-55-6			/		
71-43-2 Benzene 2 U 79-01-6 Trichloroethene 24 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 10 U 108-88-3 Toluene 2 U 10061-02-6 trans-1,3-Dichloropropene 2 U 79-00-5 1,1,2-Trichloroethane 2 U 127-18-4 Tetrachloroethene 2 U 591-78-6 2-Hexanone 10 U 124-48-1 Dibromochloromethane 2 U 106-93-4 1,2-Dibromoethane 2 U 108-90-7 Chlorobenzerie 2 U 100-41-4 Ethylbenzerie 2 U 1330-20-7 (m+p) Xylene 2 U 1330-20-7 O-Xylene 2 U 79-34-5 1,1,2,2-T	56-23-5			4		
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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 104-48-1 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 100-42-5 Styrene 2 U 79-34-5 1,1,2,2-Tetrachloroethane 2 U 75-25-2 Bromoform 2 U	79-01-6	Trichloroethene				
75-27-4 Bromodichloromethane 2 U 10061-01-5 cis-1,3-Dichloropropene 2 U 108-10-1 4-Methyl-2-Pentanone 10 U 108-88-3 Toluene 2 U 10061-02-6 trans-1,3-Dichloropropene 2 U 79-00-5 1,1,2-Trichloroethane 2 U 127-18-4 Tetrachloroethene 2 U 591-78-6 2-Hexanone 10 U 124-48-1 Dibromochloromethane 2 U 106-93-4 1,2-Dibromoethane 2 U 108-90-7 Chlorobenzene 2 U 100-41-4 Ethylbenzene 2 U 1330-20-7 (m+p) Xylene 2 U 1330-20-7 0-Xylene 2 U 100-42-5 Styrene 2 U 75-25-2 Bromodichloromethane 2 U 75-25-2 Bromodichloromethane 2 U	78-87-5		ne /			
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108-10-1 4-Methyl-2-Pentanone 10 U 108-88-3 Toluene 2 U 10061-02-6 trans-1,3-Dichloropropene 2 U 79-00-5 1,1,2-Trichloroethane 2 U 127-18-4 Tetrachloroethene 2 U 591-78-6 2-Hexanone 10 U 124-48-1 Dibromochloromethane 2 U 106-93-4 1,2-Dibromoethane 2 U 108-90-7 Chlorobenzene 2 U 100-41-4 Ethylbenzene 2 U 1330-20-7 (m+p) Xylene 2 U 1330-20-7 o-Xylene 2 U 100-42-5 Styrene 2 U 79-34-5 1,1,2,2-Tetrachloroethane 2 U 75-25-2 Bromform 2 U	10061-01-5					
108-88-3 Toluene 2 U 10061-02-6 trans-1,3-Dichloropropene 2 U 79-00-5 1,1,2-Trichloroethane 2 U 127-18-4 Tetrachloroethene 2 U 591-78-6 2-Hexanone 10 U 124-48-1 Dibromochloromethane 2 U 106-93-4 1,2-Dibromoethane 2 U 108-90-7 Chlorobenzene 2 U 100-41-4 Ethylbenzene 2 U 1330-20-7 (m+p) Xylene 2 U 1330-20-7 o-Xylene 2 U 100-42-5 Styrene 2 U 79-34-5 1,1,2,2-Tetrachloroethane 2 U 75-25-2 Bromoform 2 U	108-10-1					
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79-00-5 1,1,2-Trichloroethane 2 U 127-18-4 Tetrachloroethene 2 U 591-78-6 2-Hexanone 10 U 124-48-1 Dibromochloromethane 2 U 106-93-4 1,2-Dibromoethane 2 U 108-90-7 Chlorobenzene 2 U 100-41-4 Ethylbenzene 2 U 1330-20-7 (m+p) Xylene 2 U 1330-20-7 o-Xylene 2 U 100-42-5 Styrene 2 U 79-34-5 1,1,2,2-Tetrachloroethane 2 U 75-25-2 Bromoform 2 U	10061-02-6		propene			
127-18-4 Tetrachloroethene 2 U 591-78-6 2-Hexanone 10 U 124-48-1 Dibromochloromethane 2 U 106-93-4 1,2-Dibromoethane 2 U 108-90-7 Chlorobenzene 2 U 100-41-4 Ethylbenzene 2 U 1330-20-7 (m+p) Xylene 2 U 1330-20-7 o-Xylene 2 U 100-42-5 Styrene 2 U 79-34-5 1,1,2,2-Tetrachloroethane 2 U 75-25-2 Bromoform 2 U	79-00-5					
591-78-6 2-Hexanone 10 U 124-48-1 Dibromochloromethane 2 U 106-93-4 1,2-Dibromoethane 2 U 108-90-7 Chlorobenzene 2 U 100-41-4 Ethylbenzene 2 U 1330-20-7 (m+p) Xylene 2 U 1330-20-7 o-Xylene 2 U 100-42-5 Styrene 2 U 79-34-5 1,1,2,2-Tetrachloroethane 2 U 75-25-2 Bromoform 2 U	127-18-4					
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	591-78-6		/			
106-93-4 1,2-Dibromoetrane 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	124-48-1		hane			
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	106-93-4					
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	108-90-7			<u> </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	100-41-4					
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	1330-20-7					
100-42-5 Styrene 2 U 79-34-5 1,1,2,2-Tetrachloroethane 2 U 75-25-2 Bromoform 2 U			,			
79-34-5 1,1,2,2-Tetrachloroethane 2 U 75-25-2 Bromoform 2 U						
75-25-2 Bromoform 2 U			ethane			
E44 72 4 4 0 Fi 11 1	· · · · · · · · · · · · · · · · · · ·		<u> </u>			
			Α		2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

1A

EPA SAMPLE NO.

Lab Name: CAS/ROCH	Contract: IT-Latham	INFLUENTDL
Lab Code: 10145 Case No.: R7-37632		G No.: EFFLUENT
Matrix: (soil/water) WATER	Lab Sample ID: 1	
Sample wt/vol: 25.0 (g/ml) ML		′3406.D
Level: (low/med) LOW	Date Received: 5	
% Moisture: not dec.	Date Analyzed: 5/	
GC Column: DB-624 ID: 0.18 (mm)	Dilution Factor: 2.	
Soil Extract Volume: (uL)	Soil Aliquot Volume	

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene			
95-50-1	1,2-Dichloroben				U
96-12-8	1,2-Dibromo-3-c			2	L U
120-82-1				2	U
87-68-3		1,2,4-Trichlorobenzene Hexachlorobutadiene			U/
87-61-6				2	<u> </u>
0.0.0	1,2,3-Trichlorob	enzene		2	/u

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

	TENTATIVELY IDENTIFIE	ED COMPOLINIDE	LI / O/MINI EE NO.		
Lab Name: CAS/R		Contract: IT-Latham	INFLUENTDL		
Lab Code: 10145	Case No.: R7-3763	2 SAS No.: S	DG No.: EFFLUENT		
Matrix: (soil/water)	WATER	Lab Sample ID:			
Sample wt/vol:	25.0 (g/ml) ML	Lab File ID:	V3406.D		
Level: (low/med)	LOW	Date Received:			
% Moisture: not dec.		Date Analyzed:			
GC Column: DB-62	<u>14</u> ID: <u>0.18</u> (mm)	Dilution Factor:			
Soil Extract Volume:	(uL)	Soil Aliquot Volu			
Number TICs found:		NCENTRATION UNITS: _ or ug/Kg) UG/L			
CAS NO.	COMPOUND NAME	RT ES	T. CONC. Q		

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPE A

Lab Name: CAS/F	ROCH	Contract: IT-Latham	DOPEA
Lab Code: 10145	Case No.: R7-37632	SAS No.: SD	G No.: EFFLUENT
Matrix: (soil/water)	WATER	Lab Sample ID: 1	
Sample wt/vol:	25.0 (g/ml) ML		/3405.D
Level: (low/med)	LOW	Date Received: 5	
% Moisture: not dec.		Date Analyzed: 5	
GC Column: DB-62	24 ID: 0.18 (mm)	Dilution Factor: 1	
Soil Extract Volume:	(uL)	Soil Aliquot Volume	

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1 1	U
75-00-3	Chloroethane		U
75-69-4	Trichlorofluoromethane	1 1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	
75-15-0	Carbon Disulfide	1	UJ
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	UT
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	Ü
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	Ü
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	Ü
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	Ü
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
			U

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.

1

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U

DUPE A Lab Name: CAS/ROCH Contract: IT-Latham Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT Matrix: (soil/water) WATER Lab Sample ID: 1002850 1.0 Sample wt/vol: 25.0 (g/mi) ML Lab File ID: V3405.D Level: (low/med) LOW Date Received: 5/15/07 % Moisture: not dec. Date Analyzed: 5/24/07 GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0 Soil Extract Volume: Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 106-46-7 1,4-Dichlorobenzene Ū 95-50-1 1,2-Dichlorobenzene 1 U 96-12-8 1,2-Dibromo-3-chloropropane U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RO	ЭСН			Contract:	IT-Latha	am	D	OUPE A	١
Lab Code:	10145		Case No.:	R7-37632	SAS No	.:	SDO	G No.:	EFFL	JENT
Matrix: (soil/w	vater)	WATER	<u> </u>		Lat	b Sample				
Sample wt/vo	oi:	25.0	(g/ml)	ML		File ID:		/3405.D		
Level: (low/m	ned)	LOW			Dat	te Receiv				_
% Moisture: n	ot dec.				Dat	te Analyz	ed: 5/	′24/07		-
GC Column:	DB-62	4 ID:	<u>0.18</u> (m	ım)	Dilu	ition Fact	tor: 1.	0		
Soil Extract Ve	olume:		(uL)		Soil	Aliquot \	Volume) :		- _ (uL)
				CON	CENTRATI	ON UNI	TS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG/I	<u>L</u>			
CAS NO.		COMPO	OUND NAM	1E		RT	EST.	CONC.		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RO	JCH		Contract:	IT-Latham	<u> </u>	
Lab Code:	10145	,	Case No.: <u>R7-37632</u>	SAS No	•	SDG No.: EFFLUI	ENT
Matrix: (soil/w	vater)	WATER	₹	Lab	Sample ID): 1002851 1.0	-
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab	File ID:	V3379.D	
Level: (low/m	ned)	LOW		Dat	e Received	: 5/15/07	
% Moisture: n	not dec.			Date	e Analyzed	: 5/24/07	
GC Column:	DB-62	4_ ID:	0.18 (mm)	Dilu	ition Factor:	1.0	
Soil Extract Vo	olume:		(uL)	Soil	Aliquot Vol	ume:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	T
75-01-4	Vinyl Chloride	1 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	17
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	UJ
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachioroethene	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
			U

VOLATILE ORGANICS ANALYSIS DATA SHEET

1A

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/RC	DCH	a	-	Contract:	IT-Latham			
Lab Code:	10145		Case No.:	R7-37632	SAS No	.: 5	SDG No.:	EFFLU	JENT
Matrix: (soil/v	vater)	WATE	R		Lal	Sample ID:			
Sample wt/vo	oł:	25.0	(g/ml)	ML		File ID:	V3379.D		
Level: (low/n	ned)	LOW			Dat	e Received:	5/15/07		
% Moisture: r	not dec.				Dat	e Analyzed:	5/24/07		
GC Column:	DB-62	4_ ID:	0.18 (mr	n)	Dilu	ition Factor:	1.0		
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me:		(uL)
CAS NO		CON	MPOUND		CENTRATI	ION UNITS:		0	

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	, [TRI	P BLA	NK
Lab Code:	10145	(Case No.:	R7-37632	SAS No	.:	SDG	No.:	EFFL	UENT
Matrix: (soil/v	vater)	WATER	1 		Lat	Sample IE				
Sample wt/vo	oł:	25.0	(g/ml)	ML		File ID:		379.D	-	
Level: (low/m	ned)	LOW			Dat	e Received	i: 5/1	15/07		
% Moisture: r	not dec.				Date	e Analyzed	: 5/2	24/07		
GC Column:	DB-624	4 ID: (0.18 (m	m)	Dilu	tion Factor	: 1.0)		
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	lume:			(uL)
				CON	CENTRATI	ON UNITS	•			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG/L		-		
CAS NO.		СОМРО	UND NAM	E		RT E	ST. C	CONC		ο.

EPA SAMPLE NO.

COOLER BLANK

Lab Name:	CAS/R	OCH			Contract:	IT-Latham		
Lab Code:	10145	····	Case No.:	R7-37632	SAS No		SDG No.:	EFFLUENT
Matrix: (soil/v	vater)	WATE	R		Lab	Sample ID		
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V3409.D)
Level: (low/m	ned)	LOW			Dat	e Received	: 5/15/07	
% Moisture: n	not dec.				Date	e Analyzed	: 5/24/07	
GC Column:	DB-62	4_ 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		•
			<u>UG/L</u>		Q
74-87-3	Chloromethane			1	U
75-01-4	Vinyl Chloride			1	U
74-83-9	Bromomethane			1	Ü
75-00-3	Chloroethane			1	Ü
75-69-4	Trichlorofluorom	ethane		1	U
75-35-4	1,1-Dichloroethe	ene		1	Ü
67-64-1	Acetone			2	J
75-15-0	Carbon Disulfide	9		1	Ü
75-09-2	Methylene Chlor	ride		1	U
156-60-5	trans-1,2-Dichlo	roethene		1	U
75-34-3	1,1-Dichloroetha			1	Ü
156-59-2	cis-1,2-Dichloroe	ethene		1	U
78-93-3	2-Butanone			5	U -
74-97-5	Bromochloromet	hane		<u></u>	U
67-66-3	Chloroform			-	U
107-06-2	1,2-Dichloroetha	ne		1	U
71-55-6	1,1,1-Trichloroet			1	Ü
56-23-5	Carbon Tetrachic			1	U
71-43-2	Benzene			1	Ü
79-01-6	Trichloroethene		+	1	U
78-87-5	1,2-Dichloropropa	ane		1	U
75-27-4	Bromodichlorome	thane		1	U
10061-01-5	cis-1,3-Dichloropi	opene		<u>'</u>	U
108-10-1	4-Methyl-2-Penta	none		5	Ü
108-88-3	Toluene			1	
10061-02-6	trans-1,3-Dichloro	propene		1	U
79-00-5	1,1,2-Trichloroeth	ane		1	U
127-18-4	Tetrachloroethene		-	1	U
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochlorome	thane			<u> </u>
106-93-4	1,2-Dibromoethan			1	U
108-90-7	Chlorobenzene	<u> </u>		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-Tetrachloro	othono	-	1	U
75-25-2	Bromoform	enigne		1	U
541-73-1	1,3-Dichlorobenzer			1	U
57 7 5 	1,3-Dichloropenzer	ie		1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

COOLER BLANK

Lab Name: CAS/ROCH			Contract:	IT-Latham	GOOLEK BLANK		
Lab Code:	10145		Case No.: R7-37632			SDG No.: EFFLUENT	
Matrix: (soil/v	water)	WATER	₹	Lab		: 1002852 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML		File ID:	V3409.D	
Level: (low/m	ned)	LOW		Dat	e Received:		
% Moisture: r	not dec.			Dat	e Analyzed:	5/24/07	
GC Column:	DB-62	4 ID:	0.18 (mm)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)	Soil	Aliquot Volu	ume: (uL	
						<u> </u>	

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene		4	
95-50-1		1,2-Dichlorobenzene			
96-12-8	1,2-Dibromo-3-0				U
120-82-1	1,2,4-Trichlorob	enzene			U
87-68-3	Hexachlorobuta			1	<u>U</u>
87-61-6	1,2,3-Trichlorob			1	<u> </u>

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	COOL	ER BLANK	9
Lab Code:	10145		Case No.:	R7-37632	SAS No	.: S	DG No.:	EFFLUEN	ー ア
Matrix: (soil/w	vater)	WATER			Lab	Sample ID:	1002852	1.0	-
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V3409.D		-
Level: (low/m	ned)	LOW	·		Dat	e Received:	5/15/07		
% Moisture: n	ot dec.		<u></u> -		Dat	e Analyzed:	5/24/07		
GC Column:	DB-62	4 ID: <u>(</u>).18 (m	m)	Dilu	tion Factor:	1.0		
Soil Extract Ve	olume: _		(uL)		Soil	Aliquot Volu	me:	(u	L)
				CON	CENTRATI	ON UNITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG/L			
CAS NO.		СОМРО	UND NAM	E		RT FS	T CONC	0	

EPA SAMPLE NO.

M-27D

Lab Name:	CAS/R	OCH		Contract:	IT-Latham		
Lab Code:	10145		Case No.: <u>R7-376</u>	32 SAS No	o.: S	DG No.: EFFL	UENT
Matrix: (soil/v	water)	WATER	2	Lai	b Sample ID:	1002855 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lal	File ID:	V3380.D	
Level: (low/n	ned)	LOW		Da	te Received:	5/15/07	
% Moisture: r	not dec.		· .	Da	te Analyzed:	5/24/07	_
GC Column:	DB-62	4 ID:	0.18 (mm)	Dilu	ution Factor:	1.0	_
Soil Extract V	olume:		(uL)	Soi	l Aliquot Volu	me·	- /ul:

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	Ü
75-69-4	Trichlorofluoromethane	0.9	J
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
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	<u> </u>	U
156-59-2	cis-1,2-Dichloroethene	1	Ü
78-93-3	2-Butanone	5	U.T
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	2	-
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	15	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	15	
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 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	
75-25-2	Bromoform		U
541-73-1	1,3-Dichlorobenzene	1	U
	1,0 DIGINGI ODGI IZGI IG	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: CAS	S/ROCH		Contract:	IT-Latham	N	1-27D	
Lab Code: 101	45 (Case No.: R7-3	37632 SAS No	.: SI	DG No.:	EFFLU	JENT
Matrix: (soil/water)) WATER		Lat	Sample ID:	•		
Sample wt/vol:	25.0	(g/ml) ML			V3380.D		
Level: (low/med)	LOW		Dat	e Received:			
% Moisture: not de	ec.			e Analyzed:			
GC Column: DB	-624 ID: (0.18 (mm)		ition Factor:			
Soil Extract Volum	e:	(uL)	Soil	Aliquot Volun	ne:		(uL)
			CONCENTRATI	ON UNITS:			
CAS NO.	COM	POUND	(ug/L or ug/Kg)	UG/L		Q	
106-46-7	1,4-1	Dichlorobenzen	е		1	- 11	7

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

Hexachlorobutadiene

1,2,3-Trichlorobenzene

1,2-Dibromo-3-chloropropane

95-50-1

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CAS/R	OCH	Contract: IT-Latham	M-27D
Lab Code: 10145	Case No.: R7-3763	2 SAS No.: S	DG No.: EFFLUENT
Matrix: (soil/water)	WATER	Lab Sample ID:	1002855 1.0
Sample wt/vol:	25.0 (g/ml) ML	Lab File ID:	V3380.D
Level: (low/med)	LOW	Date Received:	5/15/07
% Moisture: not dec.		Date Analyzed:	5/24/07
GC Column: DB-62	4 ID: <u>0.18</u> (mm)	Dilution Factor:	1.0
Soil Extract Volume:	(uL)	Soil Aliquot Volu	me:(uL)
Number TICs found:		NCENTRATION UNITS: L or ug/Kg) UG/L	
CAS NO.	COMPOUND NAME	RT ES	T CONC O

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name:	CAS/R	OCH			Contract:	IT-Latham		W-25D	
Lab Code:	10145		ase No.:	R7-37632	SAS No.	:	SDG N	o.: EFFLU	JENT
Matrix: (soil/w	vater)	WATER			Lab	Sample ID			
Sample wt/vo	of:	25.0	(g/ml)	ML		File ID:	V340		
Level: (low/m	ned)	LOW			Date	e Received	: 5/15/	07	- ,
% Moisture: n	ot dec.					e Analyzed			-
GC Column:	DB-62	4 ID: <u>0</u>	.18 (m	m)		tion Factor:			123-07
Soil Extract V	olume:		(uL)			Aliquot Vol			(uL)

CAS NO.	COMPOUND (ug/L or ug	/Kg) UG/L	0
74.07.0	(-9-0.49	my <u>ogi</u> 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	UT
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	Ü
156-60-5	trans-1,2-Dichloroethene	2	U
75-34-3	1,1-Dichloroethane	2	Ü
156-59-2	cis-1,2-Dichloroethene		J
78-93-3	2-Butanone	12	U J
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	7	
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
56-23-5	Carbon Tetrachloride	60	<u> </u>
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	31	
78-87-5	1,2-Dichloropropane	2	
75-27-4	Bromodichloromethane	2	<u>U</u>
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene		
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2 2	U
127-18-4	Tetrachloroethene		U
591-78-6	2-Hexanone	2	U
124-48-1	Dibromochloromethane	12	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		2	U
75-25-2	1,1,2,2-Tetrachloroethane	2	U
541-73-1	Bromoform	2	U
341-73-1	1,3-Dichlorobenzene	2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	CAS/ROC	Н		Contract:	IT-Latham		M-25D	
Lab Code:	10145	Case No.: R7	-37632	SAS No		SDG No.:	EFFLUEN	∟ T
Matrix: (soil/\	water) <u>V</u>	VATER		Lat	Sample ID:			-
Sample wt/vo	ol: <u>2</u>	5.0 (g/ml) MI			File ID:	V3407.E		-
Level: (low/n	med) <u>L</u>	OW		Dat	e Received:	5/15/07		
% Moisture: r	not dec.			Dat	e Analyzed:	5/24/07		
GC Column:	DB-624	ID: <u>0.18</u> (mm)			tion Factor:		0 20	13.00
Soil Extract V	olume:	(uL)			Aliquot Volu			
CAS NO	_	COMPOUND			ON UNITS:			-,
2. 10 110	•	COM COMP	(ug/L	or ug/Kg)	UG/L_		Q	

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichlorober	zene		2	- 11
95-50-1	1,2-Dichlorobenzene				<u> </u>
96-12-8	1,2-Dibromo-3-chloropropane				
120-82-1	1,2,4-Trichlorob	2	<u>U</u>		
87-68-3	Hexachlorobutadiene				<u>U</u>
87-61-6	1,2,3-Trichlorob			2	U
	1,2,0 THEHIOLOD	CHZENE		2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS/RO	CH			Contract:	IT-Latham	,	M-25	D	ı
Lab Code:	10145	Cas	se No.:	R7-37632	SAS No).:	SDG No	.: EFF	LUENT	
Matrix: (soil/w	ater) <u>\</u>	WATER	_		Lat	Sample I				
Sample wt/vol	l: <u>2</u>	25.0	(g/ml)	ML.		File ID:	V3407			
Level: (low/m	ed) <u>L</u>	.OW			Dat	te Received	d: 5/15/0)7		
% Moisture: no	ot dec.				Dat	e Analyzed	5/24/0	7		
GC Column:	DB-624	_ ID: <u>0.1</u>	8 (m	m)	Dilu	ition Factor	: 1,0	2.0	941-2	3.0
Soil Extract Vo	olume:		(uL)			Aliquot Vo			(uL)	
				CON	CENTRAT	ION UNITS	:			
Number TICs f	ound:	0		(ug/L	or ug/Kg)	UG/L	·			
CAS NO.	C	OMPOUN	ID NAM	Έ		RT E	ST. CON		0	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D

Lab Name:	CAS/R	OCH			Contract:	IT-Latham		
Lab Code:	10145	Ca	se No.:	R7-37632	SAS No	o.:	SDG No.: EFF	LUENT
Matrix: (soil/v	vater)	WATER	_		Lal	b Sample ID	: 1002857 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lal	b File ID:	V3382.D	
Level: (low/m	ned)	LOW	_		Da	te Received	: 5/15/07	
% Moisture: r	not dec.				Dat	te Analyzed	5/24/07	
GC Column:	DB-62	4 ID: <u>0.</u>	18 (m	ım)	Dilu	ution Factor:	1.0	
Soil Extract V	olume:		_ (uL)		Soi	i Aliquot Vol	ume:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	_	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	Ū
75-69-4	Trichlorofluoromethane		1	Ū
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		5	UT
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chloride		1	U
156-60-5	trans-1,2-Dichloroethene		1	Ū
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	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	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
75-25-2	Bromoform		1	Ū
541-73-1	1,3-Dichlorobenzene		1	Ü

EPA SAMPLE NO.

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Lab Name:	CAS/RC	CH			Contract:	IT-Latham		14D	
Lab Code:	10145		Case No.: F	२७-3७632	SAS No.	;: {	SDG No.:	EFFLU	JENT
Matrix: (soil/w	vater)	WATER	3		Lab	Sample ID:			
Sample wt/vo	ol:	25.0	(g/ml) <u>l</u>	ML		File ID:	V3382.D		
_evel: (low/m	ned)	LOW			Date	e Received:			-
% Moisture: n	not dec.					e Analyzed:			- '
GC Column:	DB-624	4_ ID:	0.18 (mm	n)		ition Factor:			
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme:		(uL
CAS NO.		СОМ	IPOUND		CENTRATION OF ug/Kg)	ON UNITS:	·	Q	
106 46	7	1 4 4	Diablasshass						

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

1,2-Dibromo-3-chloropropane

95-50-1

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS/RC	ЭСН			Contract:	IT-Latham	,	14D	
Lab Code:	10145		Case No.:	R7-37632	SAS No		SDG No.:	EFFL	UENT
Matrix: (soil/w	rater)	WATER	<u> </u>		Lat		D: 1002857		
Sample wt/vol	l:	25.0	(g/ml)	ML		File ID:	V3382.E		
Level: (low/m	ed)	LOW			Dat	te Received	1: 5/15/07		
% Moisture: ne	ot dec.				Dat	te Analyzed	5/24/07		
GC Column:	DB-624	4 ID:	<u>0.18</u> (m	ım)	Dilu	ution Factor	: 1.0		_
Soil Extract Volume:			(uL)		Soil	l Aliquot Vol	lume:		_ _ (uL)
				CON	ICENTRATI	ON UNITS	:		
Number TICs f	found:	0		(ug/L	. or ug/Kg)	UG/L			
CAS NO.		COMPC	DUND NAM	IE		RT E	ST. CONC	1.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/RO	ОСН		Contract: IT-Latham	M-11D
Lab Code:	10145		Case No.: R7-37632	2 SAS No.: SI	DG No.: EFFLUENT
Matrix: (soil/v	vater)	WATE	₹	Lab Sample ID:	*****
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File ID:	V3383.D
_evel: (low/m	ned)	LOW	· 	Date Received:	5/16/07
% Moisture: r	not dec.			Date Analyzed:	5/24/07
GC Column:	DB-62	4_ ID:	<u>0.18</u> (mm)	Dilution Factor:	1.0
Soil Extract V	olume:		(uL)	Soil Aliquot Volun	ne: (uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	Ü
75-69-4	Trichlorofluoromethane	1	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	US
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	3	-
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	12	<u> </u>
71-43-2	Benzene	1 1	U
79-01-6	Trichloroethene	1	- 0
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	
108-90-7	Chlorobenzene		U
100-41-4	Ethylbenzene	1	U
330-20-7	(m+p) Xylene	1	U
330-20-7	o-Xylene	1	U
00-42-5	Styrene	1	U
9-34-5	1,1,2,2-Tetrachloroethane	1	U
5-25-2	Bromoform	1	U
41-73-1	1,3-Dichlorobenzene	1	U

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

1,2-Dibromo-3-chloropropane

95-50-1

96-12-8

120-82-1

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

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EPA	SAMP	LE NO.
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Lab Name: C	AS/ROCH		Contract:	IT-Latham	,	<i>I</i> -11D	
Lab Code: 10	0145	Case No.: R7-37	632 SAS No		SDG No.:	EFFLU	ENŤ
Matrix: (soil/wat	ter) WAT	ER	La	b Sample ID:			
Sample wt/vol:	25.0	(g/ml) ML		b File ID:	V3383.D		
Level: (low/med	d) LOW		- Da	ite Received:			
% Moisture: not	dec.			ite Analyzed:			
GC Column: [DB-624 ID	: <u>0.18</u> (mm)		ution Factor:			
Soil Extract Volu	ıme:	(uL)		il Aliquot Volu			(uL)
		C	ONCENTRAT	ION UNITS:			
CAS NO.	CC	OMPOUND (ug/L or ug/Kg)	UG/L		Q	
106-46-7	1	,4-Dichlorobenzene			1		\neg

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS/ROCH		Contract:	IT-Latham	M-11	D
Lab Code:	10145	Case No.: R7-37	632 SAS No		SDG No.: EFF	LUENT
Matrix: (soil/v	vater) <u>WATE</u>	R_	Lat		1003117 1.0	
Sample wt/vo	ol: <u>25.0</u>	(g/mi) ML	Lat	File ID:	V3383.D	
Level: (low/n	ned) LOW	-	Dat	e Received:	5/16/07	
% Moisture: r	not dec.	· · · · · · · · · · · · · · · · · · ·	Dat	e Analyzed:	5/24/07	
GC Column:	DB-624 ID:	0.18 (mm)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:	(uL)	Soil	Aliquot Volu	me:	(uL)
Number TICs	found: 0		ONCENTRATI	ON UNITS:	<u>. </u>	
CAS NO.	COMF	OUND NAME		RT ES	T. CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-24D

Lab Name:	CAS/R	OCH		Contract:	IT-Latham	W-24D
Lab Code:	10145		Case No.: R7-37632	SAS No	.:S	DG No.: EFFLUENT
Matrix: (soil/w	/ater)	WATE	R	Lat	Sample ID:	1003118 1.0
Sample wt/vo	ł:	25.0	(g/ml) ML	_ Lab	File ID:	V3384.D
Level: (low/m	ied)	LOW	<u>.</u>	Dat	e Received:	5/16/07
% Moisture: n	ot dec.			Dat	e Analyzed:	5/24/07
GC Column:	DB-62	4 ID:	0.18 (mm)	Dilu	tion Factor:	1.0
Soil Extract Vo	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	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	0.4	J
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	10	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	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	† 	
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U
	- 10 DIOTHOLODOLIZGIE	1	U

EPA SAMPLE NO.

						- 1	M-24D	
Lab Name:	CAS/RO	СН		Contract:	IT-Latham		W-240	
Lab Code:	10145	Case No.: F	R7-37632	SAS No	.: S	DG No.:	EFFLU	ENT
Matrix: (soil/v	water)	WATER		Lab	Sample ID:			
Sample wt/vo	ol:	25.0 (g/ml) l	ML		File ID:	V3384.E		
Level: (low/n	ned) <u>l</u>	LOW		Dat	e Received:			
% Moisture: r	not dec.				e Analyzed:			
GC Column:	DB-624	ID: 0.18 (mm	1)		tion Factor:			
Soil Extract V	olume:	(uL)			Aliquot Volu			(uL)
			CON	CENTRATI	ON UNITS:			
CAS NO	•	COMPOUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46-	-7	1,4-Dichloroben	zene				U	_
95-50-1		1,2-Dichloroben						
96-12-8	}	1,2-Dibromo-3-0		ane			l U	_
120-82-		1,2,4-Trichlorobe		anc			U	\dashv
97 69 2		Llava alalava la d					U	

1,2,3-Trichlorobenzene

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS/R	ОСН			Contract:	IT-La	atham		M-24D	
Lab Code:	10145	(Case No.:	R7-37632	SAS No	.:	SD	G No.:	EFFL	JENT
Matrix: (soil/v	vater)	WATER			Lal	Sam	ple ID: 1	1003118	3 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lai	File I	D: \	/3384.[)	
Level: (low/m	ned)	LOW			Da	te Rec	eived: 5	/16/07		-
% Moisture: n	ot dec.				Dat	e Ana	lyzed: 5	/24/07		-
GC Column:	DB-62	4 ID:	0.18 (m	ım)	Dilu	ıtion F	actor: 1	.0		
Soil Extract V	olume:		(uL)		Soi	Alique	ot Volum	e:		- _ (uL)
Number TICs	found:	0			ICENTRAT . or ug/Kg)		NITS: G/L			
CAS NO.		СОМРО	UND NAN	/E		RT	EST.	CONC		Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-29D

Lab Name:	CAS/R	OCH			Contract:	IT-Latham	L		l
Lab Code:	10145	с	ase No.:	R7-37632	SAS No	.:	SDG No.:	EFFLUENT	•
Matrix: (soil/w	vater)	WATER			Lat	Sample ID			
Sample wt/vo	ol:	25.0	_ (g/mi)	ML	Lat	File ID:	V3385.D		
Level: (low/m	ned)	LOW			Dat	e Received	5/16/07		
% Moisture: n	ot dec.				Dat	e Analyzed:	5/24/07		
GC Column:	DB-62	4 ID: <u>0</u>	.18 (m	nm)	Dilu	ition Factor:	4.0 2.0	(EL) 6/	7/07
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme'	(

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	Ü
156-60-5	trans-1,2-Dichloroethene	2	Ü
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	10	UJ
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	3	
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	4	
56-23-5	Carbon Tetrachloride	32	
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	11	
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform		U
541-73-1	1,3-Dichlorobenzene	2 2	U
	, - District Openitorie		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	CAS/R	ОСН			Contract:	IT-Latham		M-29D	
Lab Code:	10145		Case No.:	R7-37632	SAS No	·	 SDG No.:	EFFLUEN	⊒ T
Matrix: (soil/	water)	WATER			Lat	Sample ID:			
Sample wt/vo	ol:	25.0	(g/ml)	ML		File ID:	V3385.E		·
Level: (low/n	ned)	LOW			Dat	e Received:			
% Moisture: r	not dec.				Dat	e Analyzed:	5/24/07		
GC Column:).18 (mr	n)	Dilu	tion Factor:	1.0 ⊋.	O PLE	17/07
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	me:	(uL	
•				CON	CENTRATI	ON LINITS:			

			DIA CIALLO.		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichlorober	nzene		0	
95-50-1	1,2-Dichlorober				U
96-12-8	1,2-Dibromo-3-				U
120-82-1	1,2,4-Trichlorob	enzene		2	U
87-68-3	Hexachlorobuta			2	<u> </u>
87-61-6	1,2,3-Trichlorob			2	U
	1,2,3-1110110700	erizene	1	2	U

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: (CAS/RO	ОСН			Contract:	IT-Lathar	n	N	l-29D	ĺ	
Lab Code: 1	10145		Case No.: R7-	37632	SAS No			No.:	EFFLU	FNT	
Matrix: (soil/wa	ater)	WATER			Lat	Sample I	-	_			
Sample wt/vol:		25.0	(g/ml) ML			File ID:		85.D			
Level: (low/me	ed)	LOW			Dat	e Receive	d: 5/16	6/07			
% Moisture: not	t dec.				Dat	e Analyze	d: 5/24	/07			
GC Column:	DB-624	1D: <u>(</u>	0.18 (mm)		Dilu	tion Facto	r: 4.0 -	a .() Q	Q6/	7/07
Soil Extract Volu	ume: _		(uL)			Aliquot Vo				(uL)	·
				CON	CENTRATI	ON UNITS	S :				•
Number TICs fo	ound:	0		(ug/L	or ug/Kg)	UG/L					
CAS NO.		СОМРО	UND NAME			RT F	ST CC)NC			

EPA SAMPLE NO.

Lab Name:	CAS/RO	OCH			Contract: IT-Latha	am	DUPE C	
Lab Code:	10145	·	Case No.:	R7-37632	SAS No.:	SI	DG No.: EFFLUI	ENT
Matrix: (soil/w	/ater)	WATE	R		Lab Sample	ID:	1003120 1.0	
Sample wt/vo	ł:	25.0	(g/ml)	ML	Lab File ID:		V3386.D	
Level: (low/m	ed)	LOW			Date Receiv	ed:	5/16/07	
% Moisture: n	ot dec.				Date Analyz	ed:	5/24/07	
GC Column:	DB-62	4_ ID:	<u>0.18</u> (m	m)	Dilution Fact	or:	1.0	
Soil Extract Vo	olume:		(uL)		Soil Aliquot \	/olun	ne:	(uL)

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 Trichloroffluoromethane 1 U 75-35-4 1,1-Dichloroethene 1 U 67-64-1 Acetone 5 U 75-15-0 Carbon Disulfide 1 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 75-9-2 cis-1,2-Dichloroethane 1 U 78-93-3 2-Butanone 5 U T 74-97-5 Bromochloromethane 1 U 67-66-3 Chloroform 3 1 U 71-43-2	CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
75-01-4	74-87-3	Chloromethane	1	
74-83-9 Bromomethane				
75-00-3	74-83-9			
75-69-4	75-00-3			
75-35-4	75-69-4			
67-64-1 Acetone 5 U 75-15-0 75-15-0 Carbon Disulfide 1 U 75-09-2 Methylene Chloride 1 U 156-69-2 Itrans-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 7 78-97-5 Bromochloromethane 1 U 67-66-3 Chloroform 3 1 107-06-2 1,2-Dichloroethane 1 U 71-55-6 1,1,1-Trichloroethane 4 56-23-5 Carbon Tetrachloride 3 7 E 71-43-2 Benzene 1 U U 1 U 1 U 79-01-6 Trichloroethene 13 7 E 7 7 -4 Bromodichloromethane 1 U U 1 U 1 U 1 U 1 U 1 </td <td>75-35-4</td> <td></td> <td></td> <td></td>	75-35-4			
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 3 1 107-06-2 1,2-Dichloroethane 1 U 71-55-6 1,1,1-Trichloroethane 4 C 56-23-5 Carbon Tetrachloride 73 37 E- E 79-01-6 Trichloroethene 13 T 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 1 U 100-10-2-6 trans-1,3-Dichloropropene 1 U 1	67-64-1			
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 3 1 107-06-2 1,2-Dichloroethane 1 U 71-55-6 1,1,1-Trichloroethane 4 C 56-23-5 Carbon Tetrachloride 73 37 E- C 71-43-2 Benzene 1 U 71-43-2 Benzene 1 U 71-43-2 Benzene 1 U 75-27-4 Bromodichloromethane 1 U 75-27-4 Bromodichloromethane 1 U 108-10-1 4-Methyl-2-Pentanone 5 U 108-8-3 Toluene 1 U 108-8-3 Toluene	75-15-0	Carbon Disulfide		
156-60-5 trans-1,2-Dichloroethene	75-09-2			
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 3 U 107-06-2 1,2-Dichloroethane 1 U 71-55-6 1,1,1-Trichloroethane 4 U 56-23-5 Carbon Tetrachloride 3 37 E 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 13 7 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 108-10-1 4-Methyl-2-Pentanone 5 U 108-10-2 trans-1,3-Dichloroptopropene 1 U <t< td=""><td>156-60-5</td><td></td><td></td><td></td></t<>	156-60-5			
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 3 U 107-06-2 1,2-Dichloroethane 1 U 71-55-6 1,1,1-Trichloroethane 4 U 56-23-5 Carbon Tetrachloride 73 37 E- T 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 13 T 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 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 127-18-4 Tetrachloroethene 1 U 591-78-6	75-34-3	1,1-Dichloroethane		
78-93-3 2-Butanone 5 U) 74-97-5 Bromochloromethane 1 U 67-66-3 Chloroform 3 U 107-06-2 1,2-Dichloroethane 1 U 71-55-6 1,1,1-Trichloroethane 4 U 56-23-5 Carbon Tetrachloride 73 37 E E 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 13 T 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	156-59-2			
74-97-5 Bromochloromethane 1 U 67-66-3 Chloroform 3 107-06-2 1,2-Dichloroethane 1 U 71-55-6 1,1,1-Trichloroethane 4	78-93-3			
67-66-3 Chloroform 107-06-2 1,2-Dichloroethane 1 U 71-55-6 1,1,1-Trichloroethane 4 E 56-23-5 Carbon Tetrachloride 337 E 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 13 T 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 127-18-6 2-Hexanone 5 U 124-48-1 Dibromochloromethane 1 U 106-93-4 1,2-Dibromochloromethane 1 U 109-41-4 Ethylbenzene	74-97-5	Bromochloromethane		
107-06-2 1,2-Dichloroethane 1 U 71-55-6 1,1,1-Trichloroethane 4 4 56-23-5 Carbon Tetrachloride 37 E 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 13 1 78-87-5 1,2-Dichloropropane 1 U 75-27-4 Bromodichloromethane 1 U 10061-01-5 cis-1,3-Dichloropropene 1 U 108-10-1 4-Methyl-2-Pentanone 5 U 108-88-3 Toluene 1 U 10061-02-6 trans-1,3-Dichloropropene 1 U 79-00-5 1,1,2-Trichloroethane 1 U 127-18-4 Tetrachloroethene 1 U 127-18-4 Tetrachloroethene 5 U 124-48-1 Dibromochloromethane 1 U 106-93-4 1,2-Dibromoethane 1 U 108-90-7 Chlorobenzene 1 U 100-41-	67-66-3	Chloroform		-
71-55-6 1,1,1-Trichloroethane 4 56-23-5 Carbon Tetrachloride 33 37 71-43-2 Benzene 1 79-01-6 Trichloroethene 13 78-87-5 1,2-Dichloropropane 1 75-27-4 Bromodichloromethane 1 10061-01-5 cis-1,3-Dichloropropene 1 108-10-1 4-Methyl-2-Pentanone 5 108-88-3 Toluene 1 10061-02-6 trans-1,3-Dichloropropene 1 10061-02-6 trans-1,3-Dichloropropene 1 127-18-4 Tetrachloroethane 1 127-18-4 Tetrachloroethene 1 127-18-4 Tetrachloroethene 5 124-48-1 Dibromochloromethane 1 124-48-1 Dibromochloromethane 1 106-93-4 1,2-Dibromoethane 1 108-90-7 Chlorobenzene 1 100-41-4 Ethylbenzene 1 100-42-5 Styrene 1 100-42-5 Styrene <td>107-06-2</td> <td>1,2-Dichloroethane</td> <td></td> <td></td>	107-06-2	1,2-Dichloroethane		
56-23-5 Carbon Tetrachloride 73 37 E 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 13 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 127-18-4 Tetrachloroethene 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 100-42-5	71-55-6			
71-43-2 Benzene 1 U 79-01-6 Trichloroethene 13 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 109-41-4 Ethylbenzene 1 U 1330-20-7 (m+p) Xylene 1 U 1330-20-7 O-Xylene 1 U 100-42-5 Styrene	56-23-5	Carbon Tetrachloride		
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 109-41-4 Ethylbenzene 1 U 1330-20-7 (m+p) Xylene 1 U 1330-20-7 o-Xylene 1 U 100-42-5 Styrene 1 U 75-25-2 Bromoform 1 <td>71-43-2</td> <td></td> <td></td> <td></td>	71-43-2			
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 75-25-2 Bromothen 1 U 75-25-2 Bromothen	79-01-6	Trichloroethene		
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 130-42-5 Styrene 1 U 79-34-5 1,1,2,2-Tetrachloroethane 1 U 75-25-2 Bromoform 1 U	78-87-5	1,2-Dichloropropane		
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 130-20-7 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	75-27-4			
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	10061-01-5	cis-1,3-Dichloropropene		
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	108-10-1			
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	108-88-3	Toluene		
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	10061-02-6	trans-1,3-Dichloropropene	 	
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		1,1,2-Trichloroethane		
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	127-18-4	Tetrachloroethene		
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	591-78-6	2-Hexanone		
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		Dibromochloromethane		
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			 	
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	108-90-7	Chlorobenzene		
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	100-41-4	Ethylbenzene		
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	1330-20-7	(m+p) Xylene		
100-42-5 Styrene 1 U 79-34-5 1,1,2,2-Tetrachloroethane 1 U 75-25-2 Bromoform 1 U	1330-20-7	o-Xylene		
79-34-5 1,1,2,2-Tetrachloroethane 1 U 75-25-2 Bromoform 1 U	100-42-5	Styrene		
75-25-2 Bromoform 1 U	79-34-5	1,1,2,2-Tetrachloroethane		
E44 70 4	75-25-2			
	541-73-1	1,3-Dichlorobenzene	1	U

EPA SAMPLE NO.

Lab Name:	CAS/R	ОСН			Contract:	IT-Latham	DUPE C	
ab Code:	10145	c	ase No.:	R7-37632	SAS No	.: S	DG No.: EFFLU	ENT
Matrix: (soil/v	vater)	WATER	_		Lat		1003120 1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID:	V3386.D	
.evel: (low/n	ned)	LOW			Dat	e Received:	5/16/07	
% Moisture: r	not dec.				Dat	e Analyzed:	5/24/07	
COlumn:	DB-62	4 ID: 0).18 (m	ım)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:	···	(uL)		Soil	Aliquot Volui	me:	(uL)
								-

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene		1	11
95-50-1	1,2-Dichloroben			1	11
96-12-8	1,2-Dibromo-3-0				11
120-82-1	1,2,4-Trichlorob			4	- 11
87-68-3	Hexachlorobuta		 	4	<u> </u>
87-61-6	1,2,3-Trichlorob			1	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS/R	ЭСН			Contract:	IT-Lath	am)UPE	C
Lab Code:	10145		Case No.:	R7-37632	SAS No	.:	SD	G No.:	EFFL	.UENT
Matrix: (soil/w	vater)	WATE	R_	-	Lat	Sample				
Sample wt/vo	l:	25.0	(g/ml)	ML		File ID:		/3386.[
Level: (low/m	ned)	LOW			Dat	e Recei	. –	5/16/07		
% Moisture: n	ot dec.				Dat	e Analyz	zed: 5	5/24/07		-
GC Column:	DB-62	4 ID:	<u>0.18</u> (m	m)	Dilu	tion Fac	tor: 1	.0		_
Soil Extract Vo	olume:		(uL)		Soil	Aliquot	Volum	e:		_ _ (uL)
				CON	CENTRATI	ON UNI	TS:			
Number TICs	found:	0	· · · · · · · · · · · · · · · · · · ·	(ug/L	or ug/Kg)	UG/	<u>L</u>			
CAS NO.		СОМР	NAN DNUC	IE	· · · · · · · · · · · · · · · · · · ·	RT	EST.	CONC		0

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	CAS/R	OCH			Contract:	IT-Latham	"	PECDE	
Lab Code:	10145		Case No.: I	R7-37632			DG No.:	FFFLUE	
Matrix: (soil/v	vater)	WATE	₹		Lab	Sample ID:			
Sample wt/vo	oi:	25.0	(g/ml)	ML		File ID:	V3408.D		
Level: (low/m	•	LOW	·		Date	e Received:	5/16/07		
% Moisture: n	ot dec.				Date	e Analyzed:	5/24/07		
GC Column:	DB-62	4 ID:	<u>0.18</u> (mr	n)	Dilu	tion Factor:	2.0		
Soil Extract Vo	olume: _		(uL)		Soil	Aliquot Volu	me:		(uL)

		CONCENTRATIO	ON UNITS:	,	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	/	Q
74-87-3	Chloromethane			${2}$	
75-01-4	Vinyl Chloride				U
74-83-9	Bromomethane		/-	2 2	U
75-00-3	Chloroethane			2	U
75-69-4	Trichlorofluorome	ethane		2	U
75-35-4	1,1-Dichloroether		-/		U
67-64-1	Acetone		/	2	U
75-15-0	Carbon Disulfide	/	<u> </u>	10	U U
75-09-2	Methylene Chloric	de /		2	U
156-60-5	trans-1,2-Dichloro			2	U
75-34-3	1,1-Dichloroethar		-	2	U
156-59-2	cis-1,2-Dichloroet			2	U
78-93-3	2-Butanone	TICHE /		2	U
74-97-5	Bromochlorometh	ane /		10	U
67-66-3	Chloroform	<u> </u>		2	U
107-06-2	1,2-Dichloroethan			3	D
71-55-6	1,1,1-Trichloroeth			2	U
56-23-5	Carbon Tetrachlor		 	4	D
71-43-2	Benzene	ide		33	D
79-01-6	Trichloroethene /	/	-	2	U
78-87-5	1,2-Dichloropropar	20		12	D
75-27-4	Bromodichloromet	hane		2	U
10061-01-5	cis-1,3-Dichloropro	nane		2	U
108-10-1	4-Methyl-2-Pentan	one		2	U
108-88-3	Toluene /	One		10	U
10061-02-6	trans-1,3-Dichlorop	ronono		2	U
79-00-5	1,1,2-Trichloroetha	noperie	<u> </u>	2	U
127-18-4	Tetrachloroethene	ile		2	U
591-78-6	2-Hexanone			2	U
124-48-1	Dipromochlorometh	uono.		10	U
106-93-4	1,2-Dibromoethane	ane		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				2	U
79-34-5	Styrene	41		2	U
75-25-2	1,1,2,2-Tetrachloroe	tnane		2	U
541-73-1	Bromoform			2	U
<u>0-71-70-1</u>	1,3-Dichlorobenzene			2	U

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

VOLATILE ORGANICS ANALYSIS DATA SHEET

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EPA	SAMP	LE NO.
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DUPECDL Lab Name: CAS/ROCH Contract: IT-Latham Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT Matrix: (soil/water) WATER Lab Sample ID: 1003120 2.0 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3408.D Level: (low/med) LOW Date Received: 5/16/07 % Moisture: not dec. Date Analyzed: 5/24/07 GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0 Soil Extract Volume: Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 106-46-7 1,4-Dichlorobenzene 95-50-1 1,2-Dichlorobenzene 2 96-12-8 1,2-Dibromo-3-chloropropane 2 U 120-82-1 1,2,4-Trichlorobenzene

VOLATILE ORGANICS ANALYSIS DATA SHEET

	TENTATIVELY IDEN	ITIFIED COMPOUNDS	•		
Lab Name: CAS/R			atham	DUPEC	DL
Lab Code: 10145	Case No.: R7-			3 No.: EFF	LUFNT
Matrix: (soil/water)	WATER	Lab San		003120 2.0	
Sample wt/vol:	25.0 (g/ml) ML	the state of the s		3408.D	
Level: (low/med)	LOW	Date Re	ceived: 5/		
% Moisture: not dec.			alyzed: 5/		
GC Column: DB-62	24 ID: <u>0.18</u> (mm)		actor: 2.	·	
Soil Extract Volume:	(uL)		ot Volume		— (uL)
Number TICs found:	0	CONCENTRATION L	JNITS: JG/L		<u> </u>
CAS NO.	COMPOUND NAME	RT	EST.	CONC.	Q

EPA SAMPLE NO.

M-33S

Lab Name: CAS/R	OCH	Contract: IT-Latham	
Lab Code: 10145	Case No.: R7-37632	SAS No.: S	DG No.: EFFLUENT
Matrix: (soil/water)	WATER	Lab Sample ID:	
Sample wt/vol:	25.0 (g/ml) ML	Lab File ID:	V3387.D
Level: (low/med)	LOW	Date Received:	5/16/07
% Moisture: not dec.		Date Analyzed:	5/24/07
GC Column: DB-62	4 ID: <u>0.18</u> (mm)	Dilution Factor:	1.0
Soil Extract Volume:	(uL)	Soil Aliquot Volu	me: (ul

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 75-00-3 Chloroethane 1 U 75-00-3 Chloroflooromethane 1 U 75-00-3 Chloroflooromethane 1 U 67-69-4 Trichloroethene 1 U 67-64-1 Acetone 5 U 75-35-4 1,1-Dichloroethene 1 U 75-15-0 Carbon Disulfide 1 U 75-99-2 Methylene Chloride 1 U 156-60-5 trans-1,2-Dichloroethene 1 U 75-34-3 1,1-Dichloroethane 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
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-Dichloroethane 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 71-43-2 Benzene 1 U 79-01-6 Trichloroethene
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 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 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 1
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 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 1 U 78-87-5 1,2-Dichloropropane 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 75-34-3 1,1-Dichloroethane 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 71-43-2 Benzene 1 U 79-01-6 Trichloroethene 1 U 78-87-5 1,2-Dichloropropane 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
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
75-15-0 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
75-09-2 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
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
75-34-3 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
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
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
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
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
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
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
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
71-43-2 Benzene 1 U 79-01-6 Trichloroethene 1 U 78-87-5 1,2-Dichloropropane 1 U
79-01-6 Trichloroethene 1 U 78-87-5 1,2-Dichloropropane 1 U
/8-87-5 1,2-Dichloropropane 1 II
75-27-4 Bromodichloromethane 1 II
10061-01-5 cis-1,3-Dichloropropene 1 II
108-10-1 4-Methyl-2-Pentanone 5 II
108-88-3 Toluene 1 II
10061-02-6 trans-1,3-Dichloropropene 1 II
79-00-5 1,1,2-Trichloroethane 1 1
127-18-4 Tetrachloroethene
591-78-6 2-Hexanone 5 II
124-48-1 Dibromochloromethane 1 U
106-93-4 1,2-Dibromoethane
108-90-7 Chlorobenzene 1 II
100-41-4 Ethylbenzene 1 II
1330-20-7 (m+p) Xylene
1330-20-7 o-Xylene
100-42-5 Styrene 1 U
79-34-5 1,1,2,2-Tetrachloroethane 1 U
75-25-2 Bromoform 1 U
541-73-1 1,3-Dichlorobenzene 1 U

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Lab Name:	CAS/RC	ОСН	Contract:	IT-Latham		M-33S	
Lab Code:	10145	Case No.: R7-37632	SAS No	.: S	DG No.:	EFFLU	 IENT
Matrix: (soil/v	vater)	WATER		Sample ID:			
Sample wt/vo	ol:	25.0 (g/ml) ML			V3387.		
Level: (low/n	ned)	LOW	Dat	e Received:	5/16/07		
% Moisture: r	not dec.		Dat	e Analyzed:	5/24/07		
GC Column:	DB-624	4 ID: <u>0.18</u> (mm)	Dilu	tion Factor:	1.0		
Soil Extract V	olume:	(uL)	Soil	Aliquot Volu	me:		(uL)
		CON	ICENTRATI	ON 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	Ū	\dashv
96-12-8	}	1,2-Dibromo-3-chloropro	pane		1	U	-
120-82-	1	1,2,4-Trichlorobenzene	-			U	\dashv
87-68-3		Hexachlorobutadiene				U	\dashv
87-61-6		1,2,3-Trichlorobenzene			<u>'</u>	Ü	

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CAS/	ROCH	Contract: IT-Latham	M-33S
Lab Code: 10145	5 Case No.: R7-376		SDG No.: EFFLUENT
Matrix: (soil/water)	WATER	Lab Sample ID:	
Sample wt/vol:	25.0 (g/ml) ML	Lab File ID:	V3387.D
Level: (low/med)	LOW	Date Received:	
% Moisture: not dec	•	Date Analyzed:	5/24/07
GC Column: DB-6	324 ID: <u>0.18</u> (mm)	Dilution Factor:	1.0
Soil Extract Volume:	(uL)	Soil Aliquot Volu	me: (uL)
	CC	ONCENTRATION UNITS:	
Number TICs found:	0 (uş	g/L or ug/Kg) UG/L	
CAS NO.	COMPOUND NAME	RT ES	T. CONC. Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	M-33D	
Lab Code:	10145		Case No.:	R7-37632	SAS No	.: S	DG No.: EFFLU	JENT
Matrix: (soil/w	/ater)	WATE	R		Lal		1003122 1.0	
Sample wt/vo	l:	25.0	(g/ml)	ML		File ID:	V3388.D	
Level: (low/m	ed)	LOW			Dat	e Received:	5/16/07	-
% Moisture: n	ot dec.				Dat	e Analyzed:	5/24/07	-
GC Column:	DB-62	4_ ID:	<u>0.18</u> (m	m)	Dilu	ition Factor:	1.0	-
Soil Extract Vo	olume:		(uL)		Soil	Aliquot Volui	me:	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	
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	101
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	
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	
1330-20-7	o-Xylene		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
	, - Didinor oborizono	1	U

Lab Name: CAS/RC	NCH .	.		M-33D	
Lab Name. CAS/RC	СП	Contract: IT-Latham			
Lab Code: 10145	Case No.: R7-37632	SAS No.: SI	DG No.:	EFFLU	ENT
Matrix: (soil/water)	WATER	Lab Sample ID:			
Sample wt/vol:	25.0 (g/ml) ML		V3388.D		
_evel: (low/med)	LOW	Date Received:	5/16/07		
% Moisture: not dec.		Date Analyzed:			
GC Column: DB-624	ID: <u>0.18</u> (mm)	Dilution Factor:			
Soil Extract Volume: _	(uL)	Soil Aliquot Volun	ne:		(uL)
•	CON	CENTRATION UNITS:			
CAS NO.	COMPOUND (ug/L	or ug/Kg) UG/L		Q	
106-46-7	1,4-Dichlorobenzene			U	- 7 .
95-50-1	1,2-Dichlorobenzene		1	U	\dashv
96-12-8	1,2-Dibromo-3-chloropro	pane	1	Ü	-
120-82-1	1,2,4-Trichlorobenzene			Ü	-
87-68-3	Hexachlorobutadiene		- 	Ü	
87-61-6	1,2,3-Trichlorobenzene		1	Ü	-

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS/RO	ОСН			Contract:	IT-	-Latham		M-33D) .
Lab Code:	10145		Case No.:	R7-376	32 SAS No			DG No.:	EFFI	UFNT
Matrix: (soil/w	vater)	WATER	<u> </u>		La	b Sa	mple ID:			
Sample wt/vo	ł:	25.0	(g/ml)	ML			e ID:	V3388.E		
Level: (low/m	ned)	LOW			Da	te R	eceived:		-	
% Moisture: n	ot dec.				Da	te Aı	nalyzed:	5/24/07		
GC Column:	DB-624	1 ID:	0.18 (m	m)	Dilu	ution	Factor:	1.0		
Soil Extract Vo	olume: _		(uL)		Soi	Alic	quot Volui	me:		_ _ (uL)
				CC	NCENTRAT	ION	UNITS:			
Number TICs	found:	0		(ug	/L or ug/Kg)		UG/L			
CAS NO.		СОМРО	UND NAM	IE		RT	ES ⁻	T. CONC		0

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CAS/ROCH Contract: IT-Latham DGC-3S

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

 Matrix: (soil/water)
 WATER
 Lab Sample ID:
 1003124 1.0

 Sample wt/vol:
 25.0
 (g/ml) ML
 Lab File ID:
 V3389 D

% Moisture: not dec. Date Analyzed: 5/24/07

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

	CONCENTRATION UNITS:					
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q	
74-87-3	Chloromethane			1	U	
75-01-4	Vinyl Chloride			1	U	
74-83-9	Bromomethane			1	U	
75-00-3	Chloroethane			1	U	
75-69-4	Trichlorofluorom	ethane		1	U	
75-35-4	1,1-Dichloroethe			<u>'</u> _	U	
67-64-1	Acetone			5	UT	
75-15-0	Carbon Disulfide			1	U	
75-09-2	Methylene Chlori	de		1	U	
156-60-5	trans-1,2-Dichlor			1	U	
75-34-3	1,1-Dichloroethai			1	U	
156-59-2	cis-1,2-Dichloroe			1	U	
78-93-3	2-Butanone			<u>'</u>	U	
74-97-5	Bromochlorometh	nane		1	U	
67-66-3	Chloroform			- 	U	
107-06-2	1,2-Dichloroethar	ne		1	U	
71-55-6	1,1,1-Trichloroeth			- 	U	
56-23-5	Carbon Tetrachio			- 	U	
71-43-2	Benzene			1	U	
79-01-6	Trichloroethene			1		
78-87-5	1,2-Dichloropropa	ne		1	U	
75-27-4	Bromodichlorome	thane		1	U	
10061-01-5	cis-1,3-Dichloropro		 	1	U	
108-10-1	4-Methyl-2-Pentar			5	U	
108-88-3	Toluene			1	U	
10061-02-6	trans-1,3-Dichloro	oronene		1		
79-00-5	1,1,2-Trichloroetha	ane		1	U	
127-18-4	Tetrachloroethene			1	U	
591-78-6	2-Hexanone			5		
124-48-1	Dibromochloromet	hane		1	U	
106-93-4	1,2-Dibromoethane			1	U	
108-90-7	Chlorobenzene	<u>, </u>			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-Tetrachloro	athana		1	U	
75-25-2	Bromoform	cu lai l e		1	U	
541-73-1	1,3-Dichlorobenzen	•		1	U	
<u> </u>		E		1	U	

Lab Name:	CAS/RO	ЭСН		Contract:	IT-Latham	P	GC-3S	
Lab Code:	10145		Case No.: R7-	-37632 SAS No		SDG No.:	FEELLIE	I
Matrix: (soil/v	vater)	WATER	3	La	b Sample ID:			-141
Sample wt/vo	ol:	25.0	(g/mi) ML		b File ID:	V3389.D		
Level: (low/m	ned)	LOW		•	te Received:			
% Moisture: n	not dec.				te Analyzed:			
GC Column:	DB-62	4 ID:	0.18 (mm)		ution Factor:			
Soil Extract Vo	olume:		(uL)		il Aliquot Volu			(uL)
CAS NO.		СОМ	POUND	CONCENTRAT (ug/L or ug/Kg)	TION UNITS: UG/L		Q	
106-46-	7	1 4	Dichlorobonzo	no.		·		_

	OOM OOM	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichlorober	17ene		4	
95-50-1	1,2-Dichlorober		_	1 -	U
96-12-8	1,2-Dibromo-3-			1	<u> </u>
120-82-1	1,2,4-Trichlorob	enzono		1	<u> </u>
87-68-3	Hexachiorobuta		_	1	<u> </u>
87-61-6	1,2,3-Trichlorob			1	U
0.010	1,2,3-11101100	enzene	1	1	H

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS/RO	ЭСН			Contract:	IT-Latham		DG	C-3S	
Lab Code:	10145		Case No.:	R7-37632	SAS No		SDG No	o.: F	FFLII	ENT
Matrix: (soil/w	vater)	WATE	R		- Lab	Sample ID				
Sample wt/vo	ıl:	25.0	(g/ml)	ML		File ID:	V338			
Level: (low/m	ned)	LOW			Dat	e Received	*******			
% Moisture: n	ot dec.					e Analyzed:				
GC Column:	DB-624	4 ID:	<u>0.18</u> (m	ım)	Dilu	ition Factor:	1.0			
Soil Extract Vo	olume: _		(uL)		Soil	Aliquot Vol	ume:			(uL)
				CON	CENTRATI	ON UNITS:				
Number TICs t	found:	0		(ug/L	or ug/Kg)	UG/L				
CAS NO.		СОМРО	MAN DNUC	E		RT E	ST. CON	 VC.)

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	F	NO
/ /	C) (IVII L		INO.

Lab Name:	CAS/R	ОСН		Contract:	IT-Latham	DGC-48
Lab Code:	10145		Case No.: R7-37632	SAS No		DG No.: EFFLUENT
Matrix: (soil/	water)	WATE	₹	Lat		1003126 1.0
Sample wt/vo	ol:	25.0	(g/ml) ML		File ID:	V3402.D
Level: (low/r	ned)	LOW	· · · ·	Dat	e Received:	5/16/07
% Moisture: ı	not dec.			Dat	e Analyzed:	5/24/07
GC Column:	DB-62	4_ ID:	<u>0.18</u> (mm)	Dilu	tion Factor:	1.0
Soil Extract V	olume:		(uL)	Soil	Aliquot Volun	me:(uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
74-87-3	Chloromethane				
75-01-4	Vinyl Chloride			1	U
74-83-9	Bromomethane			_ 1	U
75-00-3	Chloroethane			_1_	U
75-69-4	Trichlorofluorom	othone		_1_	U_
75-35-4	1,1-Dichloroethe			1	U
67-64-1	Acetone	ale		1_	U
75-15-0	Carbon Disulfide			5	U
75-09-2	Methylene Chlor			_1_	U
156-60-5	trans-1,2-Dichlor			_1	U
75-34-3	1,1-Dichloroetha			1	U
156-59-2	cis-1,2-Dichloroe			1	U
78-93-3	2-Butanone	triene		1	U
74-97-5	Bromochlorometh	2000		5	U
67-66-3	Chloroform	iane		1	U
107-06-2	1,2-Dichloroethar	20		1	U
71-55-6	1,1,1-Trichloroeth			1	U
56-23-5	Carbon Tetrachlo			1	U
71-43-2	Benzene	ride		1	U
79-01-6	Trichloroethene			1_	U
78-87-5	1,2-Dichloropropa			1	U
75-27-4	Bromodichlorome	ne		1	U
10061-01-5	cis-1,3-Dichloropr	inane		1	U
108-10-1	4-Methyl-2-Pentar	opene		1	U
108-88-3	Toluene	none		5	U
10061-02-6				1	U
79-00-5	trans-1,3-Dichloro	propene		1	U
127-18-4	1,1,2-Trichloroetha			1	U
591-78-6	Tetrachloroethene			1	U
124-48-1	2-Hexanone			5	U
106-93-4	Dibromochloromet			1	U
108-90-7	1,2-Dibromoethane)		1	U
100-90-7	Chlorobenzene			1	U
	Ethylbenzene			1	U
1330-20-7	(m+p) Xylene		•		U
1330-20-7	o-Xylene				U
100-42-5	Styrene				U
79-34-5	1,1,2,2-Tetrachloro	ethane	1	1	U
75-25-2	Bromoform		1		U
541-73-1	1,3-Dichlorobenzen	e	1		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/RO	СН			Contract:	IT-Latham	D	GC-4S	
Lab Code:	10145	C	ase No.: R7	-37632	SAS No.		DG No.:	EFFLU	ENT
Matrix: (soil/w	vater)	WATER			Lab	Sample ID:			
Sample wt/vo)i:	25.0	(g/ml) <u>ML</u>			File ID:	V3402.D		
_evel: (low/m	ned)	LOW			Date	e Received:	5/16/07		
% Moisture: n	ot dec.				Date	e Analyzed:	5/24/07		
GC Column:	DB-624	ID: <u>0</u>	.18 (mm)		Dilut	tion Factor:	1.0		
Soil Extract Vo	olume:		(uL)		Soil	Aliquot Volui	me:		(uL)
CAS NO.		СОМР	OUND		CENTRATION OF ug/Kg)	ON UNITS: UG/L		Q	` ',

<i>0,</i> 10 110.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichloroben	zene			- 11
95-50-1	1,2-Dichloroben				U
96-12-8	1,2-Dibromo-3-c				
120-82-1	1,2,4-Trichlorobe			<u> </u>	U
87-68-3	Hexachlorobutad			!	<u> </u>
87-61-6	1,2,3-Trichlorobe				<u> </u>

1,2,3-Trichlorobenzene

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/R	ОСН			Contract:	IT-Lat	ham	D	GC-4S	.
Lab Code:	10145		Case No.:	R7-37632	SAS No	.:	SDO	 3 No.:	EFFLU	JENT
Matrix: (soil/w	/ater)	WATE	R		Lab	Samp	le ID: 1			<u> </u>
Sample wt/vo	l:	25.0	(g/ml)	ML		File ID		3402.D		
Level: (low/m	ed)	LOW			Dat	e Rece		/16/07		-
% Moisture: n	ot dec.				Dat	e Anaiy	-	24/07		-
GC Column:	DB-62	4 ID:	<u>0.18</u> (m	m)	Dilu	tion Fa				
Soil Extract Vo	olume:	····	(uL)		Soil	Aliquot	Volume):		(uL)
					CENTRATI					
Number TICs 1	found:	0		(ug/L	or ug/Kg)	UG	i/L	_		
CAS NO.		COMP	NAN DNUC	IE		RT	EST.	CONC.	, ,	Q

EPA SAMPLE NO.

TRIP BLANK

Lab Name:	CAS/R	ОСН	Contract: 1	Γ-Latham	THE BEATT
Lab Code:	10145	Case No.: R7-37632	SAS No.:	SI	DG No.: EFFLUENT
Matrix: (soil/v	water)	WATER	Lab S		1003127 1.0
Sample wt/vo	ol:	25.0 (g/ml) ML	Lab F	ile ID:	V3403.D
Level: (low/n	ned)	LOW	Date	Received:	5/16/07
% Moisture: r	not dec.		Date /	Analyzed:	5/24/07
GC Column:	DB-62	4 ID: <u>0.18</u> (mm)	Dilutio	n Factor:	1.0
Soil Extract V	olume:	(uL)	Soil A	liquot Volum	ne: (uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
74-87-3	Chloromethane			4	
75-01-4	Vinyl Chloride			1	U U
74-83-9	Bromomethane				U
75-00-3	Chloroethane			1	U
75-69-4	Trichlorofluorom	ethane		1	U
75-35-4	1,1-Dichloroethe			1	U
67-64-1	Acetone			2	U J
75-15-0	Carbon Disulfide	}		1	
75-09-2	Methylene Chlor			1	U
156-60-5	trans-1,2-Dichlor			1	U
75-34-3	1,1-Dichloroetha			1	U
156-59-2	cis-1,2-Dichloroe			<u>'</u> 1	U
78-93-3	2-Butanone			5	U
74-97-5	Bromochloromet	hane		1	
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroetha	ne		1	U
71-55-6	1,1,1-Trichloroeth		 	1	U
56-23-5	Carbon Tetrachic	ride		1	U
71-43-2	Benzene			1	U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloropropa	ane		1	U
75-27-4	Bromodichlorome	thane		1	U
10061-01-5	cis-1,3-Dichloropr	opene		1	U
108-10-1	4-Methyl-2-Pentar	none		5	U
108-88-3	Toluene		-	1	
10061-02-6	trans-1,3-Dichloro	propene	· .	1	U
79-00-5	1,1,2-Trichloroeth		 	1	U
127-18-4	Tetrachloroethene			1	
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochloromet	hane		1	
106-93-4	1,2-Dibromoethan			1	U
108-90-7	Chlorobenzene			1	U
100-41-4	Ethylbenzene				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-Tetrachloro	ethane		1	U
75-25-2	Bromoform	- Curane		1	U
541-73-1	1,3-Dichlorobenzer	10		1	U
	, .,o Diomorobelizei	10		1	U

EPA SAMPLE NO.

Lab Name:	CAS/R	DCH		Contract: IT-Latham	TRIP BLANK
Lab Code:	10145		Case No.: R7-37632	SAS No.:	SDG No.: EFFLUENT
Matrix: (soil/v	water)	WATER		Lab Sample ID:	
Sample wt/vo	ol:	25.0	(g/ml) ML	Lab File ID:	V3403.D
Level: (low/n	ned)	LOW		Date Received:	5/16/07
% Moisture: r	not dec.			Date Analyzed:	5/24/07
GC Column:	DB-62	4_ ID:	0.18 (mm)	Dilution Factor:	1.0
Soil Extract V	olume:		(uL)	Soil Aliquot Volu	me: (uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichlorober	zene		1	11
95-50-1	1,2-Dichloroben			1	11
96-12-8	1,2-Dibromo-3-0			1	11
120-82-1	1,2,4-Trichlorob			1	11
87-68-3	Hexachlorobuta			1	
87-61-6	1,2,3-Trichlorob			1	II II

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/RO	OCH		-	Contract:	IT-Lath	nam	TRI	P BLA	NK
Lab Code:	10145		Case No.:	R7-37632	SAS No).:	SD	G No.:	EFFL	JENT
Matrix: (soil/w	vater)	WATE	R		Lal	o Sampl	e ID: 1	003127	1.0	
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lat	File ID	: \[\sqrt{\sqrt{\sqrt{\chi}}}	/3403.E		
Level: (low/m	ned)	LOW			Dat	te Recei	ved: 5	6/16/07		_
% Moisture: n	ot dec.				Dat	te Analy	zed: 5	/24/07		-
GC Column:	DB-62	4 ID:	<u>0.18</u> (m	ım)	Dilu	ution Fac	ctor: 1	.0		-
Soil Extract V	olume:		(uL)		Soi	l Aliquot	Volum	e:		_ _ (uL)
				CON	CENTRAT	ION UN	ITS:			
Number TICs	found:	0		(ug/L	or ug/Kg)	UG	/L			
CAS NO.		СОМР	OUND NAM	1E		RT	EST.	CONC	•	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	CAS/R	ОСН		Contract:	IT-Latham		4D
Lab Code:	10145		Case No.: R7-37632	SAS No	.: S	DG No.:	EFFLUEN T
Matrix: (soil/v	water)	WATE	R	Lat	Sample ID:		
Sample wt/vo	ol:	25.0	(g/ml) ML		File ID:	V3404.D	
_evel: (low/n	ned)	LOW		Dat	e Received:	5/16/07	
% Moisture: r	not dec.			Dat	e Analyzed:	5/24/07	
GC Column:	DB-62	4 ID:	<u>0.18</u> (mm)	Dilu	ition Factor:	1.0	
Soil Extract V	olume:		(uL)	Soil	Aliquot Volur	me:	 (uL

		CONCENTRATIO	ON UNITS:		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
74-87-3	Chloromethane			1	U
75-01-4	Vinyl Chloride			1	U
74-83-9	Bromomethane			1	U
75-00-3	Chloroethane			1	U
75-69-4	Trichlorofluorom	ethane		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 Chlori	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	U1
74-97-5	Bromochlorometh	nane		1	U
67-66-3	Chloroform			1	U
107-06-2	1,2-Dichloroethar	ne		1	U
71-55-6	1,1,1-Trichloroeth	nane		i _	U
56-23-5	Carbon Tetrachio			1	Ü
71-43-2	Benzene			1	U
79-01-6	Trichloroethene				T U
78-87-5	1,2-Dichloropropa	ine		1	Ü
75-27-4	Bromodichlorome	thane		1	U
10061-01-5	cis-1,3-Dichloropr	opene		1	U
108-10-1	4-Methyl-2-Pentar	none		5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichloro	propene		- i -	U
79-00-5	1,1,2-Trichloroetha	ane		1	U
127-18-4	Tetrachloroethene			1	U
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochloromet	hane		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	
79-34-5	1,1,2,2-Tetrachloro	ethane			U
75-25-2	Bromoform	ou idi to		1	U
541-73-1	1,3-Dichlorobenzen	10		1	U
	- 1,0 Diomorobenzen	<u> </u>		1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/R	ЭСН			Contract:	IT-Latham	,		4D	
Lab Code:	10145		Case No.: R7-	37632	SAS No			No.:	EFFLL	IFNT
Matrix: (soil/v	vater)	WATER			Lat	Sample ID				<u>/ L. () </u>
Sample wt/vo	ol:	25.0	(g/ml) <u>M</u> L			File ID:	-	3404.D		
Level: (low/m	ned)	LOW			Dat	le Received			<u> </u>	-
% Moisture: r	not dec.					e Analyzed				•
GC Column:	DB-62	4 ID: <u>C</u>).18 (mm)			ition Factor:				
Soil Extract V	olume:		(uL)		Soil	Aliquot Vol	ume:			(uL)
CAS NO		COME	OUND	CON	CENTRATI	ON UNITS:	:			•

CAS NO.	COMPOUND	COMPOUND (ug/L or ug/Kg)			Q
106-46-7	1,4-Dichloroben	zene			11
95-50-1	1,2-Dichloroben			!	U
96-12-8					U
120-82-1		1,2-Dibromo-3-chloropropane 1,2,4-Trichlorobenzene			
87-68-3			_	1	<u> </u>
87-61-6	- i i i i i i i i i i i i i i i i i i i			1	U
07-01-0	1,2,3-Trichlorobe	enzene		1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: CAS/R	OCH			Contract:	IT-Latham		4D	
Lab Code: 10145		Case No.:	R7-37632	SAS No.		DG No.:	EFFI I	JENT
Matrix: (soil/water)	WATE	R		Lab	Sample ID:			
Sample wt/vol:	25.0	(g/ml)	ML		File ID:	V3404.D		
Level: (low/med)	LOW			Date	e Received:			-
% Moisture: not dec.					e Analyzed:			_
GC Column: DB-62	<u>24</u> ID:	<u>0.18</u> (m	m)	Dilu	tion Factor:	1.0		-
Soil Extract Volume:		(uL)		Soil	Aliquot Volur	me:		_ _ (uL)
			CON	CENTRATIO	ON UNITS:			
Number TICs found:	0			or ug/Kg)	UG/L			
CAS NO.	СОМР	OUND NAM	E		RT ES	T. CONC.		Q

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
13D			

ontract: R2737632

ab Code:

Case No.:

SAS No.:

SDG NO.:

EFFLUENT

atrix (soil/water):

WATER

Lab Sample ID: 1002854

evel (low/med):

LOW

Date Received: 05/15/07

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

CAS No.	Analyte	Concentration	С	Q	M
7440-47-3	Chromium	25.3			P

Color Before: COLORLESS

Clarity Before:

CLEAR

Texture:

Color After: COLORLESS

Clarity After:

CLEAR

Artifacts:

Comments:

Form I - IN

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUPE B

ontract: R2737632

ab Code:

Case No.:

SAS No.:

SDG NO.: EFFLUENT

atrix (soil/water):

WATER

Lab Sample ID: 1002853

evel (low/med):

Date Received: 05/15/07

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

CAS No.	Analyte	Concentration	С	Q	М
7440-47-3	Chromium	26.3			P

Color Before: COLORLESS

Clarity Before:

CLEAR

Texture:

Color After:

COLORLESS

Clarity After:

CLEAR

Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

M-27D

Contract: R2737632

Level (low/med):

Lab Code:

Case No.:

SAS No.:

SDG NO.:

EFFLUENT

fatrix (soil/water):

WATER

LOW

Lab Sample ID: 1002855

Date Received: 05/15/07

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

CAS No.	Analyte	Concentration	С	Ω	М
7440-47-3	Chromium	1.9	ש		P

Color Before: COLORLESS

Clarity Before:

CLEAR

Texture:

Color After: COLORLESS

Clarity After:

CLEAR

Artifacts:

Comments:

COLUMBIA ANALYTICAL SERVICES

Reported: 06/12/07

Shaw Environmental

Project Reference: GE MRFA PROJECT #810066

Client Sample ID : DUPE B

Date Sampled: 05/14/07 Date Received: 05/15/07 Order #: 1002853

Submission #: R2737632

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/15/07	10:44	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 06/12/07

Shaw Environmental

Project Reference: GE MRFA PROJECT #810066

Client Sample ID: 13D

Date Sampled: 05/14/07 13:30 Date Received: 05/15/07

Order #: 1002854

Sample Matrix: WATER Submission #: R2737632

							•
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TII ANALYZED ANAL		ī
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/15/07 10:	44 1.0	

COLUMBIA ANALYTICAL SERVICES

Reported: 06/12/07

Shaw Environmental

Project Reference: GE MRFA PROJECT #810066

Client Sample ID : M-27D

Date Sampled: 05/14/07 14:05 Date Received: 05/15/07 Order #: 1002855

Submission #: R2737632

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	05/15/07	10:44	1.0

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH

_ Contract: IT-Latham

Lab Code:

10145

Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix Spike - EPA Sample No LCS01

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	REC.
Vinyl Chloride	5.0	0.0	4.0	80	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	5.1	102	60 - 140
1,2-Dichloropropane	5.0	0.0	5.0	100	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.7	94	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	4.9	98	60 - 140
Bromoform	5.0	0.0	5.1	102	
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140 60 - 140

	COVER	PAGE - INOR	GANIC AN	NALYSES	DATA PACK	AGE		
ontract: R273	7632					SDG No.:	EFFLUE	NT
ab Code:		Case No.:				SAS No.:		
OW No.: CLP ILM	5.3	Client:	Shaw En	vironmen	tal			
	Sample No.			Lab Sam	mple ID.			
	DUPE B			1002853				
	13D	 		1002854				. *
•	M-27D			1002855				
				*				
	M-27DD			1002855	····			
	M-27DS			1002855	15			
						•		
								•
	*							
•								
4								
• •								
Were ICP intere						Yes/No	YES	
Were ICP backgr	ound correction	ns applied?				Yes/No	YES	
If yes-wer	e raw data gene	erated befor	e					
applicatio	n of backgroun	d correction	ıs?			Yes/No	NO_	
Comments: See A	Attached Case N	Jarrative						
						· · · · · · · · · · · · · · · · · · ·		
		,						
				Manual Commence of the Commenc				
•		W						
				······································				
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contract, both								
							detalle	ea.
above. Release								
computer-readabl						the Laborat	ory Man	ager or
ignature:	10 (1)	MAZ	Name:	:	Michael	K Por	,	
- 3	1 / / ~	0			1. 1. D.	Ma		7
ate:	6/14/0/		Title	=:	Laborator	y Manage	QV	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	F	NO
	O, 11711 L		

(uL)

Lab Name:	CAS/ROCH	Contract: IT-Latham	LCS01
Lab Code:	10145	Casa No. D7 a7aaa	No.: EFFLUENT
		OBO	INO. ELLFOEM

Matrix: (soil/water) WATER Lab Sample ID: 1009040 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3374.D

Level: (low/med)

LOW

Date Received:

Moisture: not dec.

GC Column: DB-624 ID: 0.18 (mm) Date Analyzed: 5/24/07

Date Analyzed: 5/24/07

Dilution Factor: 1.0

Soil Extract Volume: (uL) Dilution Factor: 1.0

Soil Aliquot Volume:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane			
75-01-4	Vinyl Chloride		3	
74-83-9	Bromomethane		4	
75-00-3	Chloroethane		4	
75-69-4	Trichlorofluorome	ethane	5	
75-35-4	1,1-Dichloroether	ne	5	
67-64-1	Acetone		5	
75-15-0	Carbon Disulfide		3	J
75-09-2	Methylene Chloric	de	11	U
156-60-5	trans-1,2-Dichloro	ethene	5	
75-34-3	1,1-Dichloroethan	е	5	+
156-59-2	cis-1,2-Dichloroet		5	+
78-93-3	2-Butanone	10110	5	
74-97-5	Bromochlorometh	ane	5	U
67-66-3	Chloroform		5	
107-06-2	1,2-Dichloroethane	9	5	
71-55-6	1,1,1-Trichloroetha	ane	5	
56-23-5	Carbon Tetrachlor	ide	5	
71-43-2	Benzene		5	
79-01-6	Trichloroethene		5	
78-87-5	1,2-Dichloropropar	ne	5	
75-27-4	Bromodichlorometh	nane	5	
10061-01-5	cis-1,3-Dichloropro	pene	5	
108-10-1	4-Methyl-2-Pentano	one	5	
108-88-3	Toluene		5	U
10061-02-6	trans-1,3-Dichlorop	ropene	5	
79-00-5	1,1,2-Trichloroethar	ne	5	
127-18-4	Tetrachloroethene		5	
591-78-6	2-Hexanone		5	
124-48-1	Dibromochlorometh	ane	5	U
106-93-4	1,2-Dibromoethane			
108-90-7	Chlorobenzene		5	
100-41-4	Ethylbenzene		5	
1330-20-7	(m+p) Xylene			
1330-20-7	o-Xylene		10	
100-42-5	Styrene		5	
79 - 34-5	1,1,2,2-Tetrachloroe	thane	5	
75-25-2	Bromoform	arian io	5	
541-73-1	1,3-Dichlorobenzene		5	
	, ,,, = 10.11010DC112E11E		5	1

Hexachlorobutadiene

1,2,3-Trichlorobenzene

87-68-3

87-61-6

1A **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO.

•	OF THE OTOPHICS ANAL	TOIS DATA SHE	=			
Lab Name: CAS/RC	СН	_ Contract: IT-La	atham	L	CS01	j
Lab Code: 10145	Case No.: R7-3763	2 SAS No.:	SDG	No.:	EFFLU	ENT
Matrix: (soil/water)	WATER	Lab Sam	ple ID: 10	-		
Sample wt/vol:	25.0 (g/ml) ML	Lab File	ID: V	3374.D		
Level: (low/med)	LOW	Date Red	eived:	- 1, , , , ,		
% Moisture: not dec.		Date Ana	lyzed: 5/2	24/07		
GC Column: DB-624	ID: <u>0.18</u> (mm)	Dilution F	actor: 1.0)		
Soil Extract Volume: _	(uL)	Soil Aliqu	ot Volume			(uL)
	COI	NCENTRATION U	NITS:			
CAS NO.	COMPOUND (ug/	L or ug/Kg) <u>U</u>	G/L		Q	
106-46-7	1,4-Dichlorobenzene			5		— .
95-50-1	1,2-Dichlorobenzene			5		
96-12-8	1,2-Dibromo-3-chloropro	nane				-
120-82-1	1 2 4-Trichlorobenzene	parie		5		-

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix Spike - EPA Sample No LCS02

	SPIKE ADDED	SAMPLE CONCENTRATION	MS I CONCENTRATION	MS %	QC LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	REC.
Vinyl Chloride	5.0	0.0	3.8	76	60 - 140
1,2-Dichloroethane	5.0	0.0	5.0	100	
Carbon Tetrachloride	5.0	0.0	4.9	98	60 - 140
Benzene	5.0	0.0	4.8	96	60 - 140
Trichloroethene	5.0	0.0	5.0		60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	100	60 - 140
cis-1,3-Dichloropropene	5.0	0.0		104	60 - 140
1,1,2-Trichloroethane	5.0		4.6	92	60 - 140
Tetrachloroethene		0.0	5.2	104	60 - 140
1,2-Dibromoethane	5.0	0.0	5.0	100	60 - 140
	5.0	0.0	5.1	102	60 - 140
Bromoform	5.0	0.0	4.9	98	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMMENTS:

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LC	S02	
	OUZ	

Lab Name:	CAS/R	OCH			Contract:	IT-Latham		JUU <u>Z</u>
Lab Code:	10145		Case No.:	R7-37632	SAS No	.: S	DG No.:	EFFLUENT
Matrix: (soil/v	vater)	WATE	R		Lab	Sample ID:	_	
Sample wt/vo	oł:	25.0	(g/ml)	ML	Lab	File ID:	V3397.D	
Level: (low/n	ned)	LOW			Dat	e Received:		
% Moisture: r	not dec.				Dat	e Analyzed:	5/24/07	
GC Column:	DB-62	4_ ID:	0.18 (m	ım)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volui	me:	(uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	0
74.07.0			<u> </u>	Q
74-87-3	Chloromethane		3	
75-01-4	Vinyl Chloride		4	
74-83-9	Bromomethane		3	
75-00-3	Chloroethane		4	
75-69-4	Trichlorofluorom		5	
75-35-4	1,1-Dichloroethe	ne	5	
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		1	U
75-09-2	Methylene Chlor		5	
156-60-5	trans-1,2-Dichlor	oethene	5	<u> </u>
75-34-3	1,1-Dichloroetha	ne	5	†
156-59-2	cis-1,2-Dichloroe	thene	5	
78-93-3	2-Butanone		5	U
74-97-5	Bromochlorometl	nane	5	<u> </u>
67-66-3	Chloroform		5	
107-06-2	1,2-Dichloroethar	ne	5	
71-55-6	1,1,1-Trichloroeth		5	
56-23-5	Carbon Tetrachlo		5	
71-43-2	Benzene		5	
79-01-6	Trichloroethene			
78-87-5	1,2-Dichloropropa	ine	5	
75-27-4	Bromodichlorome	thane	5	
10061-01-5	cis-1,3-Dichloropr	Onene		
108-10-1	4-Methyl-2-Pentar		5	
108-88-3	Toluene	ione	5	U
10061-02-6	trans-1,3-Dichloro	Dropono	5	
79-00-5	1,1,2-Trichloroetha		5	_
127-18-4	Tetrachloroethene		5	
591-78-6	2-Hexanone		5	
124-48-1	Dibromochloromet	h	5	U
106-93-4	1,2-Dibromoethane		5	
108-90-7		3	5	
100-90-7 100-41-4	Chlorobenzene		5	
1330-20-7	Ethylbenzene		5	
	(m+p) Xylene		10	
1330-20-7	o-Xylene		5	
100-42-5	Styrene		5	
79-34-5	1,1,2,2-Tetrachloro	ethane	5	
75-25-2	Bromoform		5	
541-73-1	1,3-Dichlorobenzen	e	5	

EPA SAMPLE NO.

LCS02 Lab Name: CAS/ROCH Contract: IT-Latham Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT Matrix: (soil/water) WATER Lab Sample ID: 1009046 1.0 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3397.D Level: (low/med) LOW Date Received: % Moisture: not dec. Date Analyzed: 5/24/07 GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm) Dilution Factor: 1.0 Soil Extract Volume: Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

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

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Matrix Spike - EPA Sample No INFLUENT

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	4.2	84	60 - 140
1,2-Dichloroethane	5.0	0.0	5.1	102	60 - 140
Carbon Tetrachloride	5.0	14	20	120	60 - 140
Benzene	5.0	0.0	5.2	104	60 - 140
Trichloroethene	5.0	27	31	80	60 - 140
1,2-Dichloropropane	5.0	0.0	5.3	106	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	5.0	100	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	5.0	100	60 - 140
1,2-Dibromoethane	5.0	0.0	4.9	98	60 - 140
Bromoform	5.0	0.0	4.8	96	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QC	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	RPD	REC.
Vinyl Chloride	5.0	4.1	82	2	30	60 - 140
1,2-Dichloroethane	5.0	5.1	102	0	30	60 - 140
Carbon Tetrachloride	5.0	20	120	0	30	60 - 140
Benzene	5.0	5.0	100	4	30	60 - 140
Trichloroethene	5.0	31	80	0	30	60 - 140
1,2-Dichloropropane	5.0	5.2	104	2	30	60 - 140
cis-1,3-Dichloropropene	5.0	4.8	96	4	30	60 - 140
1,1,2-Trichloroethane	5.0	5.1	102	2	30	60 - 140
Tetrachloroethene	5.0	5.3	106	6	30	60 - 140
1,2-Dibromoethane	5.0	4.9	98	0	30	60 - 140
Bromoform	5.0	4.8	96	0	30	60 - 140
1,4-Dichlorobenzene	5.0	5.1	102	2	30	60 - 140

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

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

EPA SAMPLE NO.

INFLUENTMS

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham		
Lab Code:	10145		Case No.:	R7-37632	SAS No	.:	SDG No.:	EFFLUEN7
Matrix: (soil/v	water)	WATE	R		Lab	Sample ID	: 1009041	1 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V3391.D)
Level: (low/n	ned)	LOW			Dat	e Received:	5/15/07	
% Moisture: r	not dec.				Dat	e Analyzed:	5/24/07	
GC Column:	DB-62	4_ ID:	<u>0.18</u> (m	ım)	Dilu	tion Factor:	1.0	
Soil Extract V	olume:		(uL)		Soil	Aliquot Volu	ıme:	 (uL

74-87-3 Chloromethane 4 75-01-4 Vinyl Chloride 4 74-83-9 Bromomethane 4 75-00-3 Chloroethane 5 75-09-4 Trichlorofluoromethane 5 75-98-4 1,1-Dichloroethene 5 67-64-1 Acetone 2 J 75-15-0 Carbon Disulfide 1 U 75-09-2 Methylene Chloride 5 1 156-60-5 trans-1,2-Dichloroethene 5 1 75-34-3 1,1-Dichloroethane 5 1 156-59-2 cis-1,2-Dichloroethene 5 1 78-93-3 2-Butanone 5 U 74-97-5 Bromochloromethane 5 U 67-66-3 Chloroform 7 7 107-06-2 1,2-Dichloroethane 5 5 71-43-2 Benzene 5 5 79-01-6 Trichloroethene 31 E 78-87-5 1,2-Dichloroptopopene	CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
75-01-4 Vinyl Chloride 4 74-83-9 Bromomethane 4 75-00-3 Chloroethane 5 75-69-4 Trichlorofluoromethane 5 75-35-4 1,1-Dichloroethene 5 67-64-1 Acetone 2 J 75-15-0 Carbon Disulfide 1 U 75-99-2 Methylene Chloride 5 1 156-60-5 trans-1,2-Dichloroethene 5 5 75-34-3 1,1-Dichloroethane 5 5 75-34-3 1,1-Dichloroethane 5 6 75-34-3 1,1-Dichloroethane 5 6 75-34-3 1,1-Dichloroethane 5 0 78-93-3 2-Butanone 5 U 74-97-5 Bromochloromethane 5 U 74-97-5 Bromochloromethane 5 0 71-6-3 1,1-1-Trichloroethane 5 0 71-55-6 1,1,1-Trichloroethane 5 0 79-01-6	74-87-3	Chloromethane	1	
74-83-9 Bromomethane 4 75-00-3 Chloroethane 5 75-69-4 Trichlorofluoromethane 5 75-35-4 1,1-Dichloroethene 5 67-64-1 Acetone 2 J 75-15-0 Carbon Disulfide 1 U 75-09-2 Methylene Chloride 5 U 156-60-5 trans-1,2-Dichloroethene 5 5 75-34-3 1,1-Dichloroethane 5 5 78-93-3 2-Butanone 5 U 78-93-3 2-Butanone 5 U 74-97-5 Bromochloromethane 5 U 74-97-5 Bromochloromethane 5 U 71-66-3 Chloroform 7 U 107-06-2 1,2-Dichloroethane 5 T 71-43-2 Benzene 5 T 79-01-6 Trichloroethene 31 E 78-87-5 1,2-Dichloropropane 5 T 75-27-4 <td< td=""><td>75-01-4</td><td></td><td></td><td></td></td<>	75-01-4			
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 U 75-09-2 Methylene Chloride 5 1 156-60-5 trans-1,2-Dichloroethene 5 5 75-34-3 1,1-Dichloroethane 5 5 75-34-3 1,1-Dichloroethane 5 5 75-34-3 1,1-Dichloroethane 5 0 75-34-3 1,1-Dichloroethane 5 0 75-34-3 1,1-Dichloroethane 5 0 78-93-3 2-Butanone 5 U 78-93-3 2-Butanone 5 U 78-97-5 Bromochloromethane 5 U 76-63-3 Chloroform 7 7 107-06-2 1,2-Dichloroethane 5 5 71-55-6 1,1,1-Trichloroethane 5 5 <	74-83-9			<u> </u>
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100-42-5 Styrene 5 79-34-5 1,1,2,2-Tetrachloroethane 5 75-25-2 Bromoform 5	1330-20-7			
79-34-5 1,1,2,2-Tetrachloroethane 5 75-25-2 Bromoform 5	100-42-5			
75-25-2 Bromoform 5	79-34-5			
544.70.4	75-25-2			
		1,3-Dichlorobenzene	5	

EPA SAMPLE NO.

INFLUENTMS

Lab Name:	CAS/RO	OCH		Contract:	IT-Latham		LOCIA I MIS	•
Lab Code:	10145	(Case No.: <u>R7-3763</u> 2	SAS No).:	SDG No.:	EFFLUEI	NT
Matrix: (soil/v	vater)	WATER		Lat	b Sample ID:			
Sample wt/vo	ol:	25.0	(g/ml) ML	_ Lat	File ID:	V3391.)	
Level: (low/m	ned)	LOW		Dat	te Received:	5/15/07		
% Moisture: n	ot dec.			Dat	te Analyzed:	5/24/07		
GC Column:	DB-62	4 ID: (0.18_ (mm)	Dilu	ution Factor:	1.0		
Soil Extract V	olume:		(uL)	Soil	l Aliquot Volu	ıme:	((uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q	
106-46-7	1,4-Dichlorober	zene		5		
95-50-1	1,2-Dichloroben			5		
96-12-8	1,2-Dibromo-3-c			4		
120-82-1	1,2,4-Trichlorob			- 7		
87-68-3	Hexachlorobuta			5		
87-61-6	1,2,3-Trichlorob			5		
		0.100110	1	0 1	ľ	

EPA SAMPLE NO.

Lab Name: C	AS/ROCH		Contract: IT-Latham	INFLUENTMSD
Lab Code: 10	0145	Case No.: <u>R7-37632</u>	SAS No.: SI	DG No.: EFFLUENT
Matrix: (soil/wat	er) WATE	<u>R</u>	Lab Sample ID:	
Sample wt/vol:	25.0	(g/ml) ML		V3398.D
Level: (low/med	d) LOW	·	<u> </u>	
% Moisture: not	dec.		Date Analyzed:	5/24/07
GC Column: [DB-624 ID:	0.18 (mm)	Dilution Factor:	
Soil Extract Volu	me:	(uL)	Soil Aliquot Volun	

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		Т
75-01-4	Vinyl Chloride	4	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane		
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	<u> </u>
67-64-1	Acetone	5	11
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	U
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	7	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	20	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	31	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	5	-0
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	11	
1330-20-7	o-Xylene	5	
100-42-5	Styrene		
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	
-	: 12 Diding Obolizonic	5	

EPA SAMPLE NO.

Lab Name:	CAS/RC)CH		Contract	IT-Latham	INFL	.UENTM	SD
					11-Latham	_		
Lab Code:	10145	Case No.	: R7-37632	SAS No	u: S	SDG No.:	EFFLU	ENT
Matrix: (soil/v	water)	WATER		Lat	Sample ID:	1009042	2 1.0	
Sample wt/vo	ol:	25.0 (g/m) <u>ML</u>	Lat	File ID:	V3398.E)	
Level: (low/n	ned)	LOW		Dat	e Received:	5/15/07		
% Moisture: r	not dec.			Dat	e Analyzed:	5/24/07		
GC Column:	DB-624	ID: <u>0.18</u> (mm)	Dilu	ition Factor:	1.0		
Soil Extract V	olume:	(uL)		Soil	Aliquot Volu	me:		(uL)
			CON	ICENTRAT	ION UNITS:			
CAS NO		COMPOUND	(ug/L	or ug/Kg)	UG/L		Q	
106-46	-7	1,4-Dichlorot	enzene	-		5	1	-
95-50-1		1,2-Dichlorot				5	 -	
96-12-8	3	1,2-Dibromo-		pane		5		
120-82-	·1	1,2,4-Trichlor				5		\dashv
87-68-3		Hexachlorobu				5		
87-61-6	<u> </u>	1,2,3-Trichlor	obenzene			5	<u> </u>	

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH

Contract: IT-Latham

Lab Code: 10145

Case No.: R7-37632

SAS No.: SDG No.: EFFLUENT

Matrix Spike - EPA Sample No M-27D

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	REC.
Vinyl Chloride	5.0	0.0	4.1	82	60 - 140
1,2-Dichloroethane	5.0	0.0	4.9	98	60 - 140
Carbon Tetrachloride	5.0	15	20	100	60 - 140
Benzene	5.0	0.0	5.0	100	60 - 140
Trichloroethene	5.0	15	20	100	60 - 140
1,2-Dichloropropane	5.0	0.0	5.2	104	60 - 140
cis-1,3-Dichloropropene	5.0	0.0	4.6	92	60 - 140
1,1,2-Trichloroethane	5.0	0.0	5.0	100	60 - 140
Tetrachloroethene	5.0	0.0	5.2	104	60 - 140
1,2-Dibromoethane	5.0	0.0	4.9	98	60 - 140
Bromoform	5.0	0.0	4.7	94	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QC	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	RPD	REC.
Vinyl Chloride	5.0	4.1	82	0	30	60 - 140
1,2-Dichloroethane	5.0	5.1	102	4	30	60 - 140
Carbon Tetrachloride	5.0	20	100	0	30	60 - 140
Benzene	5.0	5.0	100	0	30	60 - 140
Trichloroethene	5.0	20	100	0	30	60 - 140
1,2-Dichloropropane	5.0	5.2	104	0	30	60 - 140
cis-1,3-Dichloropropene	5.0	4.8	96	4	30	60 - 140
1,1,2-Trichloroethane	5.0	5.2	104	4	30	60 - 140
Tetrachloroethene	5.0	5.2	104	0	30	60 - 140
1,2-Dibromoethane	5.0	5.1	102	4	30	60 - 140
Bromoform	5.0	4.9	98	4	30	60 - 140
1,4-Dichlorobenzene	5.0	5.1	102	2	30	60 - 140

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

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

^{*} Values outside of QC limits

EPA SAMPLE NO.

M-27DMS

Lab Name:	CAS/R	OCH		Contract:	IT-Latham	M-2/ DM3
Lab Code:	10145		Case No.: R7-37632	SAS No	.: S	DG No.: EFFLUENT
Matrix: (soil/v	water)	WATE	R	Lat	Sample ID:	1009050 1.0
Sample wt/vo	ol:	25.0	(g/ml) <u>ML</u>	Lab	File ID:	V3399.D
Level: (low/n	ned)	LOW		Dat	e Received:	5/15/07
% Moisture: r	not dec.			Dat	e Analyzed:	5/24/07
GC Column:	DB-62	4 ID:	0.18 (mm)	Dilu	tion Factor:	1.0
Soil Extract V	olume:	-	(uL)	Soil	Aliquot Volui	me: (uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	4	T
75-01-4	Vinyl Chloride	4	+
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	6	<u> </u>
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	6	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	20	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	20	
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	
		J	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/R	OCH		Contract: IT-Latham	WI-27 DMS
Lab Code:	10145		Case No.: <u>R7-37632</u>	SAS No.: SI	DG No.: EFFLUENT
Matrix: (soil/w	/ater)	WATER		Lab Sample ID:	
Sample wt/vo	l:	25.0	(g/ml) <u>ML</u>		V3399.D
Level: (low/m	ned)	LOW		Date Received:	5/15/07
% Moisture: n	ot dec.			Date Analyzed:	5/24/07
GC Column:	DB-62	4 ID: <u>(</u>).18 (mm)	Dilution Factor:	
Soil Extract Vo	olume:		(uL)	Soil Aliquot Volun	

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q		
106-46-7	1,4-Dichlorober	nzene		5			
95-50-1		1,2-Dichlorobenzene		5			
96-12-8	1,2-Dibromo-3-chloropropane						
120-82-1		1,2,4-Trichlorobenzene		- 5			
87-68-3	Hexachlorobuta			6			
87-61-6	1,2,3-Trichlorob			- 0			
		0.1L0110		5	T .		

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-27DMSD

Lab Name:	CAS/RO	OCH			Contract:	IT-Latham	<u> </u>	
Lab Code:	10145		Case No.:	R7-37632	SAS No	••	SDG No.:	EFFLUENT
Matrix: (soil/v	vater)	WATE	R		Lab	Sample ID	D: <u>100905</u> 1	I 1.0
Sample wt/vo	ol:	25.0	(g/ml)	ML	Lab	File ID:	V3400.E)
Level: (low/n	ned)	LOW			Dat	e Received	d: <u>5/15/07</u>	
% Moisture: r	not dec.				Dat	e Analyzed	i: <u>5/24/07</u>	
GC Column:	DB-62	4_ ID:	<u>0.18</u> (m	nm)	Dilu	ıtion 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	3	
75-01-4	Vinyl Chloride	4	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	4.	
75-69-4	Trichlorofluoromethane	6	
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	6	
107-06-2	1,2-Dichloroethane	5	
71-55-6	1,1,1-Trichloroethane	5	
56-23-5	Carbon Tetrachloride	20	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	20	
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	11	
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	

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

Hexachlorobutadiene

96-12-8

120-82-1

87-68-3

87-61-6

EPA SAMPLE NO.

5

6

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6

M-27DMSD Lab Name: CAS/ROCH Contract: IT-Latham Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT Matrix: (soil/water) **WATER** Lab Sample ID: 1009051 1.0 Sample wt/vol: 25.0 (g/ml) ML Lab File ID: V3400.D Level: (low/med) LOW Date Received: 5/15/07 % Moisture: not dec. Date Analyzed: 5/24/07 GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 106-46-7 1,4-Dichlorobenzene 5 95-50-1 1,2-Dichlorobenzene 5

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE	NO.	
M-27DS		

ontract:	R27	37632

ab Code:

Case No.:

SAS No.:

SDG NO.: EFFLUENT

atrix (soil/water): WATER

Level (low/med):

LOW

Solids for Sample: 0.0

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

31	Control	Spiked Sa	ample	Sample	Spike			
Analyte	Limit %R	Result (S	SSR) C	Result (SR)	Added (SA)	%R	Q	М
Chromium	75 - 125		199.9213	1.9200 ប	200.00	100.0		P

omments:	
,	

METALS -5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

ntract:	R2737632
ntract:	KZ / 3 / 03Z

M-27DA

ab Code:

Case No.:

SAS No.:

SDG NO .: EFFLUENT

itrix (soil/water):

Level (low/med):

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	С	Sample Result (SR)	С	Spike Added(SA)	%R	Q	м
Chromium		202.22	2	1.92	ן ט	200.0	101.1		P

-6-

DUPLICATES

SAMPLE NO.

M-27DD

ontract: R2737632

ab Code:

Case No.:

SAS No.:

SDG NO.: EFFLUENT

atrix (soil/water): WATER

Level (low/med):

LOW

Solids for Sample:

0.0

% Solids for Duplicate:

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

μG/L

Analyte	Control Limit	Sample (S)	С	Duplicate	(D) C	RPD	Q	М
Chromium	1	1	1.9200 ប		1.9200 U			P

INORGANIC QUALITY CONTROL SUMMARY

ACCURACY

Report Date : 06/12/07
CAS Order # : 1002855 - M-27D
Client : Shaw Environmental
GE MRFA PROJECT #810066
Reported Units: MG/L
Run # : 144790

PRECISION

% REC. 102 ADDED 0.100 FOUND

0.102

 $^{\rm NC}$

0.0100 U

0.0100 U

RPD

DUPLICATE

ORIGINAL

115

85

LIMITS

HEXAVALENT CHROMIUM

4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CAS/ROCH Contract: IT-Latham

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Lab File ID: V3376.D Lab Sample ID: 1009039 1.0

Date Analyzed: 5/24/07 Time Analyzed: 1:56

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS#6

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS01	1009040 1.0		
•			V3374.D	0:42
02	EFFLUENT	1002848 1.0	V3377.D	2:33
03	TRIP BLANK	1002851 1.0	V3379.D	3:46
04	M-27D	1002855 1.0	V3380.D	4:23
05	14D	1002857 1.0	V3382.D	5:36
06	M-11D	1003117 1.0	V3383.D	6:13
07	M-24D	1003118 1.0	V3384.D	6:50
08	M-29D	1003119 2.0	V3385.D	7:27
09	DUPE C	1003120 1.0	V3386.D	8:03
10	M-33S	1003121 1.0	V3387.D	8:40
11	M-33D	1003122 1.0	V3388.D	9:17
12	DGC-3S	1003124 1.0	V3389.D	9:52
13	INFLUENT	1002849 1.0	V3390.D	10:28
14	INFLUENTMS	1009041 1.0	V3391.D	11:05

COMMENTS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name:	CAS/RO	OCH		Contract:	IT-Latham	VBLRUI
Lab Code:	10145		Case No.: R7-37632	SAS No	.:s	DG No.: EFFLUENT
Matrix: (soil/v	water)	WATE	R	Lat	Sample ID:	1009039 1.0
Sample wt/vo	oi:	25.0	(g/ml) ML	Lab	File ID:	V3376.D
Level: (low/n	ned)	LOW		Dat	e Received:	
% Moisture: r	not dec.			Dat	e Analyzed:	5/24/07
GC Column:	DB-62	4_ ID:	<u>0.18</u> (mm)	Dilu	ition Factor:	1.0
Soil Extract V	olume:		(uL)	Soil	Aliquot Volui	me:(uL

CONCENTRATION UNITS:

	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	Trichlorofluorome	ethane		1	Ü	
75-35-4	1,1-Dichloroethe	ne		1	U	
67-64-1	Acetone			5	Ü	
75-15-0	Carbon Disulfide			1	Ü	
75-09-2	Methylene Chlori	de		1	U	
156-60-5	trans-1,2-Dichloro	oethene		1	Ü	
75-34-3	1,1-Dichloroethar			1	U	
156-59-2	cis-1,2-Dichloroet	thene			Ü	
78-93-3	2-Butanone			5	Ü	
74-97-5	Bromochlorometh	nane		1	Ü	
67-66-3	Chloroform			1	Ü	
107-06-2	1,2-Dichloroethan	e		1	U	
71-55-6	1,1,1-Trichloroeth	ane		1	Ü	
56-23-5	Carbon Tetrachlor	ride		1	Ü	
71-43-2	Benzene			1	Ü	
79-01-6	Trichloroethene			1	Ü	
78-87-5	1,2-Dichloropropa	ne		1	Ū	
75-27-4	Bromodichloromet			1	Ü	
10061-01-5	cis-1,3-Dichloropro	opene		1	Ü	
108-10-1	4-Methyl-2-Pentan			5	U	
108-88-3	Toluene			1	Ü	
10061-02-6	trans-1,3-Dichlorop	propene		1	Ü	
79-00-5	1,1,2-Trichloroetha			1	U	
127-18-4	Tetrachloroethene			1	U	
591-78-6	2-Hexanone			5	U	
124-48-1	Dibromochloromet	hane		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		
79-34-5	1,1,2,2-Tetrachloro	ethane		1	U	
75-25-2	Bromoform	ou idi 16		1	U	
541-73-1	1,3-Dichlorobenzen	Δ		1	U	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBL	(01
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Lab Name:	CAS/R	ОСН		Contract:	IT-Latham	VBLKU	Ī
Lab Code:	10145		Case No.: R7-37632	SAS No	.: SI	DG No.: EFFL	UENT
Matrix: (soil/v	vater)	WATER		Lat		1009039 1.0	
Sample wt/vo	ol:	25.0	(g/ml) ML			V3376.D	·
Level: (low/n	ned)	LOW		Dat	e Received:		_
% Moisture: r	not dec.			Dat	e Analyzed:	5/24/07	_
GC Column:	DB-62	4 ID: ().18 (mm)			1.0	-
Soil Extract V	olume:		(uL)	Soil	Aliquot Volun	ne:	- (uL)

CONCENTRATION UNITS:

			o otto Entito the Old Challo.		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
106-46-7	1,4-Dichlorober	zene		4	
95-50-1	1,2-Dichlorobenzene				<u> </u>
96-12-8	1,2-Dibromo-3-0				<u> </u>
120-82-1	1,2,4-Trichlorob				U
87-68-3	Hexachlorobuta			1	U
87-61-6				1	<u> </u>
01-01-0	1,2,3-Trichlorob	enzene		1	11

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: CAS/F	ROCH	Contract: IT-Latham	VBLK01
Lab Code: 10145	Case No.: R7-37632		G No.: EFFLUENT
Matrix: (soil/water)	WATER	Lab Sample ID:	
Sample wt/vol:	25.0 (g/ml) ML	-	√3376.D
Level: (low/med)	LOW	Date Received:	
% Moisture: not dec.		Date Analyzed: 5	5/24/07
GC Column: DB-6	24 ID: <u>0.18</u> (mm)	Dilution Factor: 1	.0
Soil Extract Volume:	(uL)	Soil Aliquot Volum	e: (uL)
	CON	NCENTRATION UNITS:	
Number TICs found:	0 (ug/l	L or ug/Kg) UG/L	
CAS NO.	COMPOUND NAME	RT FST	CONC O

4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CAS/ROCH Contract: IT-Latham VBLK02

Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT

Lab File ID: V3396.D Lab Sample ID: 1009045 1.0

Date Analyzed: 5/24/07 Time Analyzed: 14:30

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS#6

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

İ	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	LCS02	1009046 1.0	V3397.D	15:07
02	INFLUENTMSD	1009042 1.0	V3398.D	15:39
03	M-27DMS	1009050 1.0	V3399.D	16:12
04	M-27DMSD	1009051 1.0	V3400.D	16:45
05	DGC-4S	1003126 1.0	V3402.D	17:54
06	TRIP BLANK	1003127 1.0	V3403.D	18:27
07	4D	1003128 1.0	V3404.D	19:01
08	DUPE A	1002850 1.0	V3405.D	19:38
.09	INFLUENTDL	1002849 2.0	V3406.D	20:15
10	M-25D	1002856 2.5	V3407.D	20:52
11	DUPECDL	1003120 2.0	V3408.D	21:29
12	COOLER BLANK	1002852 1.0	V3409.D	22:05

COMMENTS

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name:	CAS/ROCI	1		Contract:	IT-Latham	<u> </u>	DLNUZ
Lab Code:	10145	_ Case No.:	R7-37632	SAS No	.: S	DG No.:	EFFLUENT
Matrix: (soil/w	vater) W	ATER		Lat	Sample ID:		
Sample wt/vol	l: <u>25</u>	.0 (g/mi)	ML	Lab	File ID:	V3396.D)
Level: (low/m	ed) <u>LC</u>	DW		Dat	e Received:		-
% Moisture: ne	ot dec.			Dat	e Analyzed:	5/24/07	
GC Column:	DB-624	ID: <u>0.18</u> (m	m)	Dilu	tion Factor:	1.0	
Soil Extract Vo	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				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			- i -	U
67-64-1	Acetone			5	U
75-15-0	Carbon Disulfide			1	U
75-09-2	Methylene Chlor	ide		1	Ü
156-60-5	trans-1,2-Dichlor	roethene		<u>'</u>	U
75-34-3	1,1-Dichloroetha			<u>_</u>	Ü
156-59-2	cis-1,2-Dichloroe			1	U
78-93-3	2-Butanone			5	U
74-97-5	Bromochlorometi	hane		1	U
67-66-3	Chloroform			<u>;</u>	U
107-06-2	1,2-Dichloroethar	ne		1	U
71-55-6	1,1,1-Trichloroeth			1	Ü
56-23-5	Carbon Tetrachlo			1	U
71-43-2	Benzene				U
79-01-6	Trichloroethene			1	U
78-87-5	1,2-Dichloropropa	ne			U
75-27-4	Bromodichlorome	thane		1	U
10061-01-5	cis-1,3-Dichloropr	opene		1	U
108-10-1	4-Methyl-2-Pentar			5	U
108-88-3	Toluene			1	U
10061-02-6	trans-1,3-Dichloro	propene		1	U
79-00-5	1,1,2-Trichloroetha			1	U
127-18-4	Tetrachloroethene			1	U
591-78-6	2-Hexanone			5	U
124-48-1	Dibromochloromet	hane		1	U
106-93-4	1,2-Dibromoethane			1	U
108-90-7	Chlorobenzene		 	1	Ü
100-41-4	Ethylbenzene			1	U
1330-20-7	(m+p) Xylene			1	U
1330-20-7	o-Xylene			1	U
100-42-5	Styrene			1	
79-34-5	1,1,2,2-Tetrachloro	ethane		1	U
75-25-2		- Carano		1	U
	Bromoform]	1	U

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS/RC	OCH			Contract: I	T-Latham	V	/BLK02	
Lab Code:	10145	C	ase No.: R7	'-37632	SAS No.:		BDG No.:	EFFLU	JENT
Matrix: (soil/v	vater)	WATER	_		Lab S	Sample ID:			
Sample wt/vo	oł:	25.0	(g/ml) ML	<u>L</u>		File ID:	V3396.D		
Level: (low/m	ned)	LOW	_		Date	Received:			
% Moisture: n	not dec.					Analyzed:	5/24/07		•
GC Column:	DB-624	4 ID: <u>0.</u>	.18 (mm)						
Soil Extract V	'olume: _		(uL)			Niquot Volu			(uL)
CAS NO.		СОМРО	OUND		CENTRATION (CENTRATION) OF ug/Kg)	N UNITS: UG/L		Q	
106-46-	.7	1 4-Di	ichlorobenzo						

	(49/2 0/ 49/19)	JG/L	Q
106-46-7	1,4-Dichlorobenzene	1	
95-50-1	1,2-Dichlorobenzene	<u> </u>	<u> </u>
96-12-8	1,2-Dibromo-3-chloropropane		11
120-82-1	1,2,4-Trichlorobenzene	1	11
87-68-3	Hexachlorobutadiene	1	11
87-61-6	1,2,3-Trichlorobenzene	<u>'</u>	- :-

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name:	CAS/R	ОСН			Contract:	IT-Lat	tham	VE	BLK02	
Lab Code:	10145		Case No.:	R7-37632	SAS No	.:	SDO	3 No.:	EFFLUE	L NT
Matrix: (soil/v	vater)	WATE	R		Lat	Samp	ole ID: 10	-		
Sample wt/vo	ol:	25.0	(g/ml)	ML		File I		3396.D		
Level: (low/n	ned)	LOW		•	Dat	e Rece				
% Moisture: r	not dec.				Dat	e Analy		24/07		
GC Column:	DB-62	4 ID:	<u>0.18</u> (m	m)	Dilu	tion Fa	ctor: 1.	0	_	
Soil Extract V	olume:	"	(uL)		Soil	Aliquo	t Volume	:	((uL)
				CON	CENTRATI	ON UN	NTS:			
Number TICs	found:	0	· ·	(ug/L	or ug/Kg)	UG	6/L	_		
CAS NO.		COMP	DUND NAM	E		RT	EST.	CONC.	Q	

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH		Contract: IT-Latha	n	
Lab Code:	10145	Case No.: R7-37632	SAS No.:	SDG N	No.: EFFLUENT
Lab File ID:	V3354.D		BFB Injection	_	
Instrument ID:	GCMS#6		BFB Injection		
GC Column:	DB-624 II	D: <u>0.18</u> (mm)	Heated Purge	e: (Y/N)	N

		
/	1011 12:11:2	% RELATIVE
m/e	ION ABUNDANCE CRITERIA	ABUNDANCE
50	8.0 - 40.0% of mass 95	16.5
75	30.0 - 66.0% of mass 95	40.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	83.6
175	4.0 - 9.0% of mass 174	6.1 (7.3)1
176	93.0 - 101.0% of mass 174	78.9 (94.5)1
177	5.0 - 9.0% of mass 176	5.5 (6.9)2
	1 Value is 0/ 474	

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
j	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
01	VSTD001 / 005	VSTD001 / 005	V3357.D	5/23/07	13:54
02	VSTD002 / 010	VSTD002 / 010	V3358.D	5/23/07	14:40
03	VSTD005 / 125	VSTD005 / 025	V3359.D	5/23/07	15:21
04	VSTD025 / 125	VSTD025 / 125	V3361.D	5/23/07	16:57
05	VSTD010 / 050	VSTD010 / 050	V3363.D	5/23/07	18:11

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH			Contract: IT-Lath	nam		
Lab Code:	10145	Case No.:	R7-37632	SAS No.:	SDG	No.: EFFLUEN	·
Lab File ID:	V3372.D			BFB Injecti			<u>-</u> [
Instrument ID:	GCMS#6			BFB Injecti			
GC Column:	DB-624 I	D: <u>0.18</u>	(mm)	Heated Pur	ge: (Y/N)	N	

		% RELATIVE
m/e	ION ABUNDANCE CRITERIA	ABUNDANCE
50	8.0 - 40.0% of mass 95	18.3
75 ,	30.0 - 66.0% of mass 95	49.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 120.0% of mass 95	84.4
175	4.0 - 9.0% of mass 174	5.9 (7.0)1
176	93.0 - 101.0% of mass 174	(,
177	5.0 - 9.0% of mass 176	83.5 (98.9)1 5.7 (6.9)2
	1-Value is % moss 174	0.0 /2

1-Value is % mass 174

2-Value is % mass 176

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

	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
01	VSTD 1	VSTD 1	V3373.D	5/24/07	
02	LCS01	1009040 1.0	V3374.D	5/24/07	0:06
03	VBLK01	1009039 1.0	V3376.D	5/24/07	0:42
04	EFFLUENT	1002848 1.0	V3377.D	5/24/07	1:56
05	TRIP BLANK	1002851 1.0	V3379.D		2:33
06	M-27D	1002855 1,0	V3380.D	5/24/07	3:46
07	14D	1002857 1.0	V3382.D	5/24/07	4:23
08	M-11D	1003117 1.0		5/24/07	5:36
09	M-24D	1003118 1.0	V3383.D	5/24/07	6:13
10	M-29D	1003119 2.0	V3384.D	5/24/07	6:50
11	DUPE C		V3385.D	5/24/07	7:27
12	M-33S	1003120 1.0	V3386.D	5/24/07	8:03
-		1003121 1.0	V3387.D	5/24/07	8:40
13	M-33D	1003122 1.0	V3388.D	5/24/07	9:17
14	DGC-3S	1003124 1.0	V3389.D	5/24/07	9:52
15	INFLUENT	1002849 1.0	V3390.D	5/24/07	10:28
16	INFLUENTMS	1009041 1.0	V3391.D		
		1.000071 1.0	V3381.D	5/24/07	11:05

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	CAS/ROCH		(Contract: IT-Lathar	<u>n</u>	•
Lab Code:	10145	Case No.:	R7-37632	SAS No.:	SDG I	No.: EFFLUENT
Lab File ID:	V3393.D			BFB Injection	Date:	5/24/07
Instrument ID	GCMS#6			BFB Injection	Time:	12:09
GC Column:	DB-624	D: 0.18	(mm)	Heated Purge	e: (Y/N)	N

		% RELATIVE		
m/e	ION ABUNDANCE CRITERIA	ABUNDANCE		
50	8.0 - 40.0% of mass 95	21.3		
75	30.0 - 66.0% of mass 95	52.0		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	8.6		
173	Less than 2.0% of mass 174	0.4 (0.5)1		
174	50.0 - 120.0% of mass 95	79.4		
175	4.0 - 9.0% of mass 174	5.5 (7.0)1		
176	93.0 - 101.0% of mass 174	77.7 (97.8)1		
177	5.0 - 9.0% of mass 176	5.5 (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	V3394.D	5/24/07	12:57
02	VBLK02	1009045 1.0	V3396.D	5/24/07	14:30
03	LCS02	1009046 1.0	V3397.D	5/24/07	15:07
04	INFLUENTMSD	1009042 1.0	V3398.D	5/24/07	15:39
05	M-27DMS	1009050 1.0	V3399.D	5/24/07	16:12
06	M-27DMSD	1009051 1.0	V3400.D	5/24/07	16:45
07	DGC-4S	1003126 1.0	V3402.D	5/24/07	17:54
08	TRIP BLANK	1003127 1.0	V3403.D	5/24/07	18:27
09	4D	1003128 1.0	V3404.D	5/24/07	19:01
10	DUPE A	1002850 1.0	V3405.D	5/24/07	19:38
11	INFLUENTDL	1002849 2.0	V3406.D	5/24/07	20:15
12	M-25D	1002856 2.5	V3407.D	5/24/07	20:52
13	DUPECDL	1003120 2.0	V3408.D	5/24/07	21:29
14	COOLER BLANK	1002852 1.0	V3409.D	5/24/07	22:05

8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-Latham Lab Code: 10145 Case No.: R7-37632 SAS No.: SDG No.: EFFLUENT Lab File ID (Standard): V3373.D Date Analyzed: 05/24/07 Instrument ID: GCMS#6 Time Analyzed: 00:06 GC Column: DB-624 ID: 0.18 Heated Purge: (Y/N) N

					ricated Full	ge. (1/14)	N
		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT ;
	12 HOUR ST	620196	6.09	499006	8.88	227622	10.73
	LOWER LIMIT	372118	5.59	299404	8.38	136573	10.73
	UPPER LIMIT	868274	6.59	698608	9.38	318671	
	EPA SAMPLE				0.00	010071	11.23
	NO.						
01	LCS01	627022	6.09	508704	8.87	233807	10.73
02	VBLK01	613297	6.09	489800	8.87	217359	10.73
03	EFFLUENT	598238	6.09	486829	8.87	215895	
04	TRIP BLANK	610697	6.09	492999	8.88	221283	10.73
05	M-27D	608306	6.09	494984	8.87	219881	10.73
06	14D	598988	6.09	490149	8.88	216474	10.73
07	M-11D	595155	6.09	489440	8.87	213727	10.73
08	M-24D	590279	6.09	471467	8.88		10.73
09	M-29D	589894	6.09	484082	8.88	213220	10.73
10	DUPE C	582750	6.09	473930	8.88	211402	10.73
11	M-33S	596481	6.09	481316	8.87	211926	10.73
12	M-33D	576564	6.10	470669		212545	10.74
13	DGC-3S	574937	6.09	465421	8.87	208383	10.73
14	INFLUENT	580177	6.09		8.88	201632	10.73
15	INFLUENTMS	583697	6.09	460253	8.88	203226	10.73
L		000091	0.09	467589	8.88	220181	10.73

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

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area AREA LOWER LIMIT = -40% of internal standard area RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

^{*} Values outside of contract required QC limits

8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-Latham Lab Code: 10145 Case No.: R7-37632 SDG No.: EFFLUENT SAS No.: Lab File ID (Standard): V3394.D Date Analyzed: 05/24/07 Instrument ID: GCMS#6 Time Analyzed: 12:57 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N)

		T					
		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3	
	12 HOUR ST	600592				AREA #	RT #
			6.09	486260	8.87	225527	10.73
	LOWER LIMIT	360355	5.59	291756	8.37	135316	10.23
	UPPER LIMIT	840829	6.59	680764	9.37	315738	11.23
	EPA SAMPLE						
	NO.						
01	VBLK02	579822	6.09	471348	8.88	208987	10.73
02	LCS02	589049	6.09	474320	8.88	222589	10.73
03	INFLUENTMS	594183	6.09	477177	8.87	224349	10.73
04	M-27DMS	600462	6.09	489429	8.88	228473	10.73
05	M-27DMSD	598417	6.10	479798	8.87	226272	10.74
06	DGC-4S	597399	6.10	484673	8.88	212992	10.74
07	TRIP BLANK	594169	6.09	486438	8.88	209874	10.73
08	4D	579244	6.09	474193	8.88	206117	10.73
09	DUPE A	579418	6.09	462119	8.88	201089	10.73
10	INFLUENTDL	579420	6.09	473780	8.87	206357	10.73
11	M-25D	559862	6.09	468549	8.88	200636	10.73
12	DUPECDL	577655	6.09	469266	8.87	207528	10.73
13	COOLER BLAN	K 565699	6.09	460417	8.87	200792	10.73

IS1

= 1,4-Difluorobenzene

IS2

= Chlorobenzene-d5

IS3

= Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area

AREA LOWER LIMIT = - 40% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

^{*} Values outside of contract required QC limits

METALS

-3-

BLANKS

Contract: R2737632

ab Code:

Case No.:

SAS No.:

SDG NO.: EFFLUENT

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

	Initial Calib. Blank		Continuing Calibration Blank (ug/L)					Preparation Blank			
Analyte	(ug/L)	С	1	С	2	С	3	С		С	м
Chromium	1.	9 ʊ	1.	ן ט פ	1	. 9 ʊ	1.	9 U	1.920	ַ ט	P

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2737632

Client: Shaw Environmental

GE MRFA PROJECT #810066

BLANK SPIKES

BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
0.0100 U	0.100	0.100	100	90 - 109	144790	MG/L

HEXAVALENT CHROMIUM

APPENDIX C DATA VALIDATION REPORTS

RECEIVED

JUL 25 2007

Data Validation Services

120 Cobble Creek Road P. O. Box 208 North Creek, NY 12853 Phone (518) 251-4429 Facsimile (518) 251-4428

Proj	i	
Pro	#	
File	Code:	

LETTER OF TRANSMITTAL

TO:		Marc Flanagan						
COMPANY	7:	Shaw						
FROM:		Judy Harry						
DATE:		07-24-07						
ENCLOSEI	D :	Validation report for the MRFA site Summar J Associated data packages (CAS Sub Nos. R2736382 and R2737632) Warshifters Associated invoice						
COMMEN	ΓS:							
Ship via:	US Express	UPS US Priority_XFed ExOther						

Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, N. Y. 12853

Phone 518-251-4429

Facsimile 518-251-4428

July 23, 2007

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

RE: Validation of MRFA Malta Site Data Packages

CAS Sub Nos. R2736382 and R2737632

Dear Mr. Flanagan:

Review has been completed for the data packages generated by Columbia Analytical Services (CAS), pertaining to aqueous samples collected 02/26/07, 05/14/07, and 05/15/07 at the MRFA Malta Site. Nineteen samples (including three 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 case narratives are attached to this narrative, and should be reviewed in conjunction with this narrative. Data summary packages are also submitted with qualifiers applied in red ink to report forms.

Data Completeness

Data packages were complete as received, and no resubmissions were required.

Low Level Volatile Analyses

The result for acetone in MRFA-Effluent is edited to reflect non-detection due to poor mass spectral quality.

The results for analytes initially flagged as "E" by the laboratory are to be derived from the dilution analyses of the samples.

Acetone and 2-butanone exhibited low relative response factors (RRFs) in the calibration standards that are inherent with the methodology. The usability of those data is evidenced by spike recoveries and calibration standard responses, but the reporting limits for those two compounds in all of the project samples should be considered estimated ("UJ" or "J" qualifiers), possibly biased low.

The trip and cooler blanks from May 2007 show low level contamination of acetone (2 ppb and 3 ppb). The detected acetone results for the samples collected that month are therefore considered external contamination, and edited to reflect non-detection ("U").

Other calibration standard responses are acceptable.

Matrix spikes of MRFA Influent (2/26), Influent (5/14), and M-27D show acceptable accuracy and precision.

Volatile field duplicate correlations for MRFA Effluent (2/26), Effluent (5/14), and M-29D are well within validation guidelines.

The dilution factor shown on the Form 1A for M-25D is incorrect. The reported results are correct, reflecting the raw data dilution factor value of 2.

Total Chromium Analyses

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

Field duplicate evaluation for 13D shows good correlation.

The serial dilution evaluation of M-27D is not applicable due to low sample concentrations.

Instrument performance was acceptable. Reported results are substantiated by the raw data, and generated in compliance with required protocols. Quality control parameter results meet validation requirements.

Hexavalent Chromium Analyses

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

The field duplicate correlation for 13D was within guidelines.

Reported results are substantiated by the raw data, and generated in compliance with required protocols.

Chain-of-Custody

A down-arrow was omitted from the matrix field on one of the custodies.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

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.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

SDG #: MRFA INFLUENT BATCH COMPLETE: __yes_ DATE REVISED: SUBMISSION R2736382 DISKETTE REQUESTED: Y_X__ N **DATE DUE: 3/23/07** DATE: 2/27/07 PROTOCOL: SW846 CLIENT: **Shaw Environmental** CLIENT REP: Janice Jaeger **CUSTODY SEAL: PRESENT/ABSENT:** SHIPPING No.: PROJECT: GE MRFA PROJECT# 810066 CHAIN OF CUSTODY: PRESENT/ABSENT: CAS JOB # | CLIENT/EPA ID MATRIX REQUESTED PARAMETERS DATE DATE Hq % REMARKS SAMPLED RECEIVED (SOLIDS) SOLIDS AMPLE CONDITION 981180 QC MRFA INFLUENT WATER OLC 2.1 VOA 2/26/2007 | 2/27/2007 981181 MRFA EFFLUENT WATER **OLC 2.1** 2/26/2007 2/27/2007 981182 MRFA DUPE A WATER **OLC 2.1** 2/26/2007 2/27/2007 981183 TRIP BLANK WATER OLC 2.1 2/26/2007 | 2/27/2007 981184 COOLER BLANK WATER - OLC 2.1 2/26/2007 2/27/2007

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

	G #: EFFLUENT BATCH COMPLETE:yes			DATE REVISED:				
UBMISSION	R2737632	DISKETT	E REQUESTED: Y_X N	DATE DUE: 6/6/07 RUSH				
	Shaw Environmental	DATE: 5/1	17/07	PROTOCOL: SW846				Į
LIENT REP:	Janice Jaeger	CUSTOD	Y SEAL: PRESENT/ABSENT:		SHIPPING No.:			·
ROJECT:	GE MRFA PROJECT #810066	CHAIN O	F CUSTODY: PRESENT/ABSENT:					
CAS JOB#	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE	DATE	рН	%	REMARKS
				SAMPLED	RECEIVED	(SOLIDS)	SOLIDS	AMPLE CONDITION
	EFFLUENT	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
1002849QC		WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
	DUPE A	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
	TRIP BLANK	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
	COOLER BLANK	WATER	OLC2.1 VOA	5/15/2007	5/15/2007			
	DUPE B	WATER	CR,CR6	5/14/2007	5/15/2007			
	13D	WATER	CR,CR6	5/14/2007	5/15/2007			
1002855QC	£	WATER	OLC2.1 VOA,CR,CR6	5/14/2007	5/15/2007			
	M-25D	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
	14D	WATER	OLC2.1 VOA	5/14/2007	5/15/2007			
	M-11D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
	M-24D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
	M-29D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
Processing and the second seco	DUPE C	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
	M-33S	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
	M-33D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
	DGC-3S	WATER	OLC2.1 VOA	5/15/2007	5/16/2007	·		
	DGC-4S	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003127	TRIP BLANK	WATER	OLC2.1 VOA	5/15/2007	5/16/2007			
1003128	4D	WATER	OLC2.1 VOA	5/15/2007	5/16/2007	:		
				·				
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					-			
		-						

DG #: EFFLI SUBMISSION R2737632 BATCH COMPLETE: __yes___

DISKETTE REQUESTED: Y_X__ N___

DATE REVISED:

DATE DUE: 6/6/07 RUSH

CASE NARRATIVE

COMPANY: Shaw Environmental GE MRFA Project #810066 SUBMISSION #: R2736382

Shaw samples were collected on 02/26/07 and received at CAS on 02/27/07 in good condition.

VOLATILE ORGANICS

Four water samples and one cooler blank were analyzed for OLC2.1 Volatiles by CLP methodology.

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on MRFA Influent as requested. All MS/MSD and Reference spike recoveries were within limits. All RPD's were within limits.

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

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

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 Manager or his designee, as verified by the following signature.

CASE NARRATIVE

COMPANY: Shaw Environmental GE MRFA Project #810066 SUBMISSION #: R2737632

Shaw samples were sampled on 5/14-15/07 and received at CAS on 5/15-16/07 in good condition.

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 M-27D as requested. The Matrix Spike and Blank Spike recoveries were within limits. The Relative Percent Difference (RPD) between the duplicate analyses was within limits.

No analytical or QC problems were encountered.

VOLATILE ORGANICS

Fifteen water samples, two trip blanks and one cooler blank were analyzed for OLC2.1 Volatiles by CLP methodology.

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

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on M-27D and Influent as requested. All Matrix Spike/Matrix Spike Duplicates (MS/MSD) and Blank Spike recoveries were within limits. All RPD's between the MS/MSD were within limits.

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

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

All samples were analyzed within recommended holding times.

No analytical or QC problems were encountered.

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

APPENDIX D AIR STRIPPER FLOW DATA

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
12/30/2006	Total	860	530	0.60	0.37	0.97
12/31/2006	Total	790	500	0.55	0.35	0.90
1/1/2007	Total	860	550	0.60	0.38	0.98
1/2/2007	Total	850	530	0.59	0.37	0.96
1/3/2007	Total	920	590	0.64	0.41	1.05
1/4/2007	Total	930	580	0.65	0.40	1.05
1/5/2007	Total	880	560	0.61	0.39	1.00
1/6/2007	Total	980	620	0.68	0.43	1.11
1/7/2007	Total	790	490	0.55	0.34	0.89
1/8/2007	Total	860	550	0.60	0.38	0.98
1/9/2007	Total	1,000	640	0.69	0.44	1.14
1/10/2007	Total	910	570	0.63	0.40	1.03
1/11/2007	Total	810	520	0.56	0.36	0.92
1/12/2007	Total	1,010	640	0.70	0.44	1.15
1/13/2007	Total	860	550	0.60	0.38	0.98
1/14/2007	Total	780	500	0.54	0.35	0.89
1/15/2007	Total	860	550	0.60	0.38	0.98
1/16/2007	Total	440	350	0.31	0.24	0.55
1/17/2007	Total	930	590	0.65	0.41	1.06
1/18/2007	Total	940	610	0.65	0.42	1.08
1/19/2007	Total	1,100	700	0.76	0.49	1.25
1/20/2007	Total	1,220	760	0.85	0.53	1.38
1/21/2007	Total	1,240	770	0.86	0.53	1.40
1/22/2007	Total	1,180	730	0.82	0.51	1.33
1/23/2007	Total	1,340	830	0.93	0.58	1.51
1/24/2007	Total	1,370	850	0.95	0.59	1.54
1/25/2007	Total	1,320	800	0.92	0.56	1.47
1/26/2007	Total	1,310	800	0.91	0.56	1.47
1/27/2007	Total	460	270	0.32	0.19	0.51
1/28/2007	Total	0	0	0.00	0.00	0.00
1/29/2007	Total	0	0	0.00	0.00	0.00
1/30/2007	Total	0	0	0.00	0.00	0.00
1/31/2007	Total	0	0	0.00	0.00	0.00
2/1/2007	Total	0	0	0.00	0.00	0.00
2/2/2007	Total	0	0	0.00	0.00	0.00
2/3/2007	Total	0	0	0.00	0.00	0.00
2/4/2007	Total	0	0	0.00	0.00	0.00
2/5/2007	Total	0	0	0.00	0.00	0.00
2/6/2007	Total	0	0	0.00	0.00	0.00
2/7/2007	Total	0	0	0.00	0.00	0.00
2/8/2007	Total	10	0	0.01	0.00	0.01
2/9/2007	Total	0	0	0.00	0.00	0.00
2/10/2007	Total	0	0	0.00	0.00	0.00
2/11/2007	Total	0	0	0.00	0.00	0.00
2/12/2007	Total	0	0	0.00	0.00	0.00
2/13/2007	Total	0	0	0.00	0.00	0.00
2/14/2007	Total	0	0	0.00	0.00	0.00
2/15/2007	Total	0	0	0.00	0.00	0.00
2/16/2007	Total	0	0	0.00	0.00	0.00
2/17/2007	Total	0	0	0.00	0.00	0.00

Date		Well #2 Flow	Well #1 Flow	Well #2 Average	Well #1 Average	Total Daily Average Flow
		(gal)	(gal)	(gpm)	(gpm)	(gpm)
2/18/2007	Total	0	0	0.00	0.00	0.00
2/19/2007	Total	0	0	0.00	0.00	0.00
2/20/2007	Total	0	0	0.00	0.00	0.00
2/21/2007	Total	3,320	0	2.31	0.00	2.31
2/22/2007	Total	8,870	0	6.16	0.00	6.16
2/23/2007	Total	8,850	70	6.15	0.05	6.19
2/24/2007	Total	8,870	2,650	6.16	1.84	8.00
2/25/2007	Total	8,910	2,600	6.19	1.81	7.99
2/26/2007	Total	8,980	2,680	6.24	1.86	8.10
2/27/2007	Total	3,890	1,160	2.70	0.81	3.51
2/28/2007	Total	960	200	0.67	0.14	0.81
3/1/2007	Total	1,770	450	1.23	0.31	1.54
3/2/2007	Total	1,660	430	1.15	0.30	1.45
3/3/2007	Total	1,610	430	1.12	0.30	1.42
3/4/2007	Total	1,490	430	1.03	0.30	1.33
3/5/2007	Total	1,510	430	1.05	0.30	1.35
3/6/2007	Total	1,570	380	1.09	0.26	1.35
3/7/2007	Total	1,570	260	1.09	0.18	1.27
3/8/2007	Total	1,580	230	1.10	0.16	1.26
3/9/2007	Total	1,560	480	1.08	0.33	1.42
3/10/2007	Total	1,750	500	1.22	0.35	1.56
3/11/2007	Total	1,690	480	1.17	0.33	1.51
3/12/2007	Total	1,610	470	1.12	0.33	1.44
3/13/2007	Total	1,660	460	1.15	0.32	1.47
3/14/2007	Total	1,720	490	1.19	0.34	1.53
3/15/2007	Total	1,640	450	1.14	0.31	1.45
3/16/2007	Total	1,740	470	1.21	0.33	1.53
3/17/2007	Total	1,660	460	1.15	0.32	1.47
3/18/2007	Total	1,580	430	1.10	0.30	1.40
3/19/2007	Total	1,500	400	1.04	0.38	1.32
3/20/2007	Total	1,710	460	1.19	0.20	1.51
3/21/2007	Total	1,610	450	1.12	0.32	1.43
3/22/2007	Total	1,650	460	1.12	0.31	1.47
3/23/2007	Total	1,550	440	1.08	0.32	1.38
			1	+		
3/24/2007 3/25/2007	Total Total	1,550 1,390	450 390	1.08 0.97	0.31 0.27	1.39 1.24
3/26/2007	Total	1,560	450	1.08	0.27	1.40
3/26/2007	Total	1,550	470	1.08	0.31	1.40
	Total		460	1.15	0.33	1.47
3/28/2007 3/29/2007	Total	1,650 1,560	460	1.15	0.32	1.47
		·				
3/30/2007 3/31/2007	Total Total	1,550	490	1.08	0.34 0.35	1.42
		1,530	500	1.06		1.41
4/1/2007	Total	1,470	460	1.02	0.32	1.34
4/2/2007	Total	1,380	440	0.96	0.31	1.26
4/3/2007	Total	1,550	470	1.08	0.33	1.40
4/4/2007	Total	1,490	470	1.03	0.33	1.36
4/5/2007	Total	1,560	470	1.08	0.33	1.41
4/6/2007	Total	1,560	460	1.08	0.32	1.40
4/7/2007	Total	1,580	440	1.10	0.31	1.40
4/8/2007	Total	1,450	430	1.01	0.30	1.31
4/9/2007	Total	1,450	430	1.01	0.30	1.31

		Well #2	Well #1	Well #2	Well #1	Total Daily
Date		Flow (gal)	Flow (gal)	Average (gpm)	Average (gpm)	Average Flow (gpm)
4/10/2007	Total	1,480	430	1.03	0.30	1.33
4/11/2007	Total	1,580	450	1.10	0.31	1.41
4/12/2007	Total	1,470	420	1.02	0.29	1.31
4/13/2007	Total	1,470	460	1.02	0.23	1.34
4/14/2007	Total	1,410	440	0.98	0.32	1.28
4/15/2007	Total	1,420	450	0.99	0.31	1.30
4/16/2007	Total	1,380	420	0.96	0.31	1.25
4/17/2007	Total	1,470	450	1.02	0.29	1.33
4/17/2007	Total	1,470	430	1.02	0.30	1.33
4/19/2007	Total	1,480	510	1.03	0.35	1.38
4/20/2007	Total	1,470	500	1.02	0.35	1.37
4/21/2007	Total	1,480	510	1.03	0.35	1.38
4/22/2007	Total	1,310	410	0.91	0.28	1.19
4/23/2007	Total	1,380	430	0.96	0.30	1.26
4/24/2007	Total	1,430	440	0.99	0.31	1.30
4/25/2007	Total	1,270	390	0.88	0.27	1.15
4/26/2007	Total	1,410	430	0.98	0.30	1.28
4/27/2007	Total	1,290	380	0.90	0.26	1.16
4/28/2007	Total	1,300	380	0.90	0.26	1.17
4/29/2007	Total	940	270	0.65	0.19	0.84
4/30/2007	Total	170	50	0.12	0.03	0.15
5/1/2007	Total	5,950	1,850	4.13	1.28	5.42
5/2/2007	Total	10,250	2,910	7.12	2.02	9.14
5/3/2007	Total	10,320	2,880	7.17	2.00	9.17
5/4/2007	Total	10,330	2,860	7.17	1.99	9.16
5/5/2007	Total	10,350	2,840	7.19	1.97	9.16
5/6/2007	Total	10,330	2,870	7.17	1.99	9.17
5/7/2007	Total	10,330	2,860	7.17	1.99	9.16
5/8/2007	Total	10,360	2,890	7.19	2.01	9.20
5/9/2007	Total	10,460	2,900	7.26	2.01	9.28
5/10/2007	Total	10,520	2,910	7.31	2.02	9.33
5/11/2007	Total	10,570	2,900	7.34	2.01	9.35
5/12/2007	Total	10,560	2,940	7.33	2.04	9.38
5/13/2007	Total	10,500	3,300	7.29	2.29	9.58
5/14/2007	Total	10,440	3,290	7.25	2.28	9.53
5/15/2007	Total	9,730	1,950	6.76	1.35	8.11
5/16/2007	Total	10,280	1,060	7.14	0.74	7.88
5/17/2007	Total	10,250	600	7.12	0.42	7.53
5/18/2007	Total	10,200	860	7.08	0.60	7.68
5/19/2007	Total	10,160	2,180	7.06	1.51	8.57
5/20/2007	Total	10,120	2,730	7.03	1.90	8.92
5/21/2007	Total	10,190	2,690	7.08	1.87	8.94
5/22/2007	Total	6,730	1,640	4.67	1.14	5.81
5/23/2007	Total	1,660	0	1.15	0.00	1.15
5/24/2007	Total	2,100	0	1.46	0.00	1.46
5/25/2007	Total	2,160	0	1.50	0.00	1.50
5/26/2007	Total	2,070	0	1.44	0.00	1.44
5/27/2007	Total	1,770	0	1.23	0.00	1.23
5/28/2007	Total	1,770	0	1.23	0.00	1.23
5/29/2007	Total	1,700	0	1.18	0.00	1.18
5/30/2007	Total	1,690	0	1.17	0.00	1.17

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
5/31/2007	Total	1,790	0	1.24	0.00	1.24
6/1/2007	Total	1,770	0	1.23	0.00	1.23
6/2/2007	Total	1,580	0	1.10	0.00	1.10
6/3/2007	Total	1,660	0	1.15	0.00	1.15
6/4/2007	Total	1,690	0	1.17	0.00	1.17
6/5/2007	Total	1,770	0	1.23	0.00	1.23
6/6/2007	Total	1,610	0	1.12	0.00	1.12
6/7/2007	Total	1,720	0	1.19	0.00	1.19
6/8/2007	Total	1,650	0	1.15	0.00	1.15
6/9/2007	Total	1,670	0	1.16	0.00	1.16
6/10/2007	Total	1,430	0	0.99	0.00	0.99
6/11/2007	Total	1,660	0	1.15	0.00	1.15
6/12/2007	Total	1,670	0	1.16	0.00	1.16
6/13/2007	Total	1,790	0	1.24	0.00	1.24
6/14/2007	Total	1,570	0	1.09	0.00	1.09
6/15/2007	Total	440	0	0.31	0.00	0.31
6/16/2007	Total	1,680	0	1.17	0.00	1.17
6/17/2007	Total	1,460	0	1.01	0.00	1.01
6/18/2007	Total	1,630	0	1.13	0.00	1.13
6/19/2007	Total	1,770	0	1.23	0.00	1.23
6/20/2007	Total	1,900	10	1.32	0.01	1.33
6/21/2007	Total	1,770	0	1.23	0.00	1.23
6/22/2007	Total	1,760	10	1.22	0.01	1.23
6/23/2007	Total	1,680	0	1.17	0.00	1.17
6/24/2007	Total	1,530	0	1.06	0.00	1.06
6/25/2007	Total	1,600	0	1.11	0.00	1.11
6/26/2007	Total	1,430	10	0.99	0.01	1.00
6/27/2007	Total	1,720	10	1.19	0.01	1.20
6/28/2007	Total	1,440	20	1.00	0.01	1.01
6/29/2007	Total	1,490	30	1.03	0.02	1.06
Grand To	otal	453,950	107,220	1.732	0.409	2.141