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FINAL SEMI-ANNUAL O&M REPORT
REMEDIAL WORK ELEMENTS I, II AND IV
REPORTING PERIOD JUNE 29, 2005 THROUGH DECEMBER 22, 2005

Malta Rocket Fuel Area Site
Malta, New York

February 9, 2006

Submitted to:

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

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For

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1.0 INTRODUCTION

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

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

This report covers all site activities performed at the site, as required in each of the previously referenced documents, for the period from June 29, 2005 through December 22, 2005.

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

According to the provisions of the *Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, IT Corporation, Inc., January 15, 2002*, six regularly scheduled monthly site visits were performed to inspect the groundwater treatment system (system) operation, record system operating conditions, and to determine system treatment effectiveness. The site visits took place on July 19, August 30, September 29, October 25, November 29, and December 22, 2005.

The groundwater treatment system is comprised of a packed tower air stripper. System influent and effluent samples were collected during the August 30, 2005 and October 25, 2005 site visits to document adherence to treatment system discharge objectives. Analytical results from these sample events, including validated analytical results and chain of custody forms, are provided in **Appendix A**. The validation summary is included in **Appendix C**.

During the reporting period, recovery wells RW-1D and RW-2D operated at instantaneous flow rates of approximately 5.8 and 6.3 gallons per minute (gpm), respectively, yielding a total instantaneous flow of approximately 12.1 gpm. Recovery well pump RW-1D experienced short-term operational problems during the reporting period. During those periods, RW-2D continued to operate and the total instantaneous system flow was approximately 6.0 gpm.

Review of the analytical results for influent and effluent treatment system samples collected in August 2005 and October 2005 confirm that during the reporting period, the system effluent water quality was well below the chemical specific effluent requirements presented in the O&M manual. Air stripper blower pressure readings as well as the effluent water quality data demonstrate that the air stripper packing material is not in need of cleaning or replacement. Additional discussions regarding air stripper flow, air stripper blower pressure readings and water quality sampling are presented 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 or Blower Low Pressure/Blower Low Amperage. 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. With the exception of the Blower Low Pressure/Blower Low Amperage alarm, no operator intervention at the Site was required to clear the alarm conditions identified during the reporting period. The alarm conditions identified by the RTU during the reporting period confirmed the proper operation of the system and the RTU's effectiveness in notifying project personnel of alarm conditions.

2.2 Visual System Inspection

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

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

The system was found to be in good working order during the reporting period, with the exception of intermittent operational problems with recovery well RW-1D, a pump failure in recovery well RW-2D and the air stripper blower motor failure earlier in the reporting period. Corrective measures have been implemented to address the operational issues, including the replacement of the 20 amp fuses located in the RW-1D electrical panel inside Building 15 with 30 amp fuses, the replacement of the RW-2D well pump and the replacement of the air stripper blower motor. Total flow rates were within acceptable ranges during the reporting period, with the exception of accidental adjustments that were made to the RW-2D flow rate by test station personnel. The flow rate was corrected by Shaw personnel during each subsequent site visit.

Lockable flow control valves were installed on November 16, 2005 to prevent flow rate adjustments by unauthorized personnel.

2.3 Operating Measurements

2.3.1 Water Flow Measurements

Water flow measurements for wells RW-1D and RW-2D collected during monthly site visits are presented in **Table 3, Process Operating Report**. The totalizer readings collected at the site demonstrate average recovery well water flow rates for the period of June 29, 2005 to December 22, 2005 are as follows:

Well RW-1D: 1.328 gpm
Well RW-2D: 3.332 gpm
System Avg: 4.660 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 4.678 gpm for the reporting period. The average water flow rate calculated from field observations (4.660) is very similar to the average daily water flow rate calculated from the data logger (4.678), confirming the data logger's accuracy and usefulness in verifying field observations.

The average daily water flow rates observed during the reporting period were similar to those observed during the last reporting period, but greater than those observed during 2004. Testing at Wright Malta and the New York State Energy Research and Development Authority (NYSERDA) were responsible for the increase in water use within the distribution system. NYSERDA was connected to Saratoga Water Services in November 2005 and no longer utilizes water from the test station water supply (wells RW-1D and RW-2D).

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 2.10 to 3.45 inches of water column during the current period. The pressure readings were well within the acceptable range of readings that are

specified in the *Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, IT Corporation, Inc., January 15, 2002*. Pressure readings will continue to be monitored in the future to ensure proper system performance.

2.4 Water Quality Data

2.4.1 Sample Collection

Samples of the drinking water system influent and effluent were collected on August 30 and October 25, 2005 and analyzed by Columbia Analytical Laboratories, Inc., Rochester, New York. Influent and effluent samples were analyzed for volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method Contract Laboratory Program (CLP) OLC-02, modified to include hexachlorobutadiene, 1,2,3-trichlorobenzene and trichlorofluoromethane as summarized in **Table 4**.

The validated analytical results and chain of custody forms for the August 30 and October 25, 2005 samples are provided in **Appendix A**. All validation was performed by Data Validation Services, Incorporated of North Creek, New York. Validation reports are included in **Appendix C**.

2.4.2 VOC Analytical Results

The drinking water system effluent sampling results were non detectable for carbon tetrachloride for both monitoring events conducted during this reporting period. The system effluent sampling results were non detectable for trichloroethene (TCE) for the August monitoring event, however, TCE was detected at an estimated concentration of 0.3 µg/l during the October monitoring event. The October TCE result was qualified as estimated 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 Tetrachloride	August 30, 2005	11	< 1.0	5
	October 25, 2005	12	< 1.0	5
TCE	August 30, 2005	14	< 1.0	5
	October 25, 2005	16	0.3 J	5

The air stripper influent chloroform concentrations are similar to the chloroform air stripper influent concentrations observed during the previous reporting period. Chloroform was detected at a concentration of 1.0 µg/l in the air stripper influent samples collected during the August 30, 2005 and October 25, 2005 sampling events. However, the August 30, 2005 chloroform detection was edited by the data validator to nondetection at the method limit due to the presence of chloroform in the associated trip and/or cooler blank. Chloroform was below detection limits in the air stripper effluent samples collected on August 30, 2005 and October 25, 2005. 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	August 30, 2005	ND	ND	70
	October 25, 2005	1.0	ND	70

Note: NA = not analyzed.
ND = not detected

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

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

3.1 Sample Collection

Recent modifications to the EWMS monitoring program have been specified in *Addendum No. 1, Operations and Maintenance Manual, Remedial Work Element II- Groundwater, Malta Rocket Fuel Area Site, General Electric Company, January 31, 2005* (Addendum No. 1). In accordance with the *Operations and Maintenance Manual for Remedial Work Element II - Ground Water, ERM Northeast, Inc., January 22, 1998,* (O&M-GW) and Addendum No. 1, unfiltered groundwater samples were collected on October 25 and 26, 2005 from the Early Warning Monitoring System (EWMS). In accordance with the *Five-Year Review Report, Malta Rocket Fuel Area Superfund site, United States Environmental Protection Agency (EPA), September 24, 2004* (Five Year Review Report) including a table titled *"Proposed Modifications to Groundwater and Surface Water Sampling Regimes at the Malta Rocket Fuel Area Site"* and a letter from GE to the USEPA dated October 26, 2004, EWMS samples were collected from monitoring wells DGC-3S, DGC-4S, 4D, 11D, 13S, 13D, 14D, M-24D, M-25D, M-27S, M-27D, M-29D, M-33S, and M-33I. Surface water locations SW-A, SW-B, SW-D, SW-E, SW-F and SW-G were also sampled (**Figure 1**). Blind duplicate samples were collected from well 13D 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 and surface water sampling locations were analyzed for volatile organic compounds (VOCs) by USEPA Method OLC-02.1 by Columbia Analytical Services, Inc. in Rochester, New York except for samples from well 13D. Samples from well 13D were analyzed for unfiltered total matrix chromium following CLP procedures and unfiltered hexavalent chromium by SW-846 Method 7196 (*Test Methods for Evaluating Solid Waste*, 3rd Edition, November 1986). Samples from monitoring well M-27D and surface water location SW-B were analyzed for VOCs, unfiltered total matrix chromium following CLP procedures and unfiltered hexavalent chromium.

Results of the October 2005 semi-annual EWMS sampling event are summarized in **Table 5**. The laboratory reports are presented in **Appendix B**. The data validation report is included in **Appendix C**. A summary of analytical results from 1987 through this reporting period for samples collected at locations currently included in the EWMS sampling program is provided in **Tables 6, 7, 8** and **9**.

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

3.2 Chromium Analytical Results

Results of the unfiltered total chromium analyses collected at wells 13D, M-27D and surface water location SW-B show concentrations of 60.8 µg/l, 1.6 µg/l and an estimated concentration of 0.5 µg/l, respectively. With the exception of the results from well 13D, the results were below the New York State Ground Water Standard (NYSGWS) of 50 µg/l. The results from well 13D (60.8 µg/l) and its duplicate sample (33.5 µg/l) were qualified by the data validator as estimated due to the large variance between the two samples.

Analytical results showed no detectable concentrations of hexavalent chromium at the detection limit of 10 µg/l for all groundwater samples and surface water sample SW-B. The NYSGWS for hexavalent chromium is 50 µg/l.

3.3 VOC Analytical Results

Carbon tetrachloride was detected in monitoring wells M-25D, M-27D, M-29D and 11D at concentrations of 91 µg/l, 13 µg/l, 37 µg/l and 14 µg/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-25D, M-29D, M-11D at concentrations of 9 µg/l, 5 µg/l and 3 µg/l respectively. With the exception of an estimated detection of 0.9 µg/l at monitoring well M-27D (edited by the data validator to nondetection at the method limit due to the presence of chloroform in the associated trip and/or cooler blanks), chloroform was not detected at the sampling locations during this reporting period.

TCE was detected in monitoring wells M-25D, M-27D and M-29D at concentrations of 37 µg/l, 24 µg/l, and 13 µg/l respectively. TCE was also detected in monitoring well 11D and surface water location SW-B at estimated concentrations of 0.9 µg/l and 0.3 µg/l, respectively. Trichlorofluoromethane was detected in monitoring well M-27D at a concentration of 1 µg/l. TCE and trichlorofluoromethane were not detected at the remainder of the monitoring well locations during this reporting period.

No VOCs were detected in surface water samples SW-A, SW-D, SW-F and SW-G during the October 2005 sampling event. Carbon tetrachloride was detected in surface water sample SW-E at an estimated concentration of 0.6 µg/l and in surface water sample SW-B at an estimated concentration of 0.5 µg/l. TCE was detected in sample SW-B at an estimated concentration of 0.27 µg/l. The estimated results from SW-B were qualified by the laboratory and confirmed by the third party data validator as being estimated because the observed concentrations were less than the method reporting limit. Chloroform was not detected in samples collected from the surface water sample locations.

3.4 Comparison of Observed VOC Concentrations to Simulation Results

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

4.0 INSTITUTIONAL CONTROLS

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

Shaw conducted semi-annual visual inspections of the environmental restriction zone during groundwater sampling activities and conducted annual environmental easement restriction interviews with property owner representatives during the Fall 2005 semi-annual reporting period.

4.1 Sampling and Survey Results

On October 25 and 26, 2005, as part of the semi-annual EWMS sampling program, personnel completed an inspection of site conditions in the environmental restriction zone to determine if any changes or property development occurred, specifically the installation of new groundwater wells. The inspection was conducted on the following areas of the site:

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

With the exception of tree removal activities in the vicinity of the access roads and wooded paths leading to each of the monitoring wells and surface water locations, the visual inspections did not reveal any signs of property development or well installation activities.

4.2 Interviews with Property Owners

Shaw personnel conducted telephone interviews with the following representatives:

- Hal Brodie representing New York State Energy Research and Development Authority (NYSERDA) was interviewed on October 3, 2005.
- Alexander Mackey representing Luther Forest Corporation was interviewed on October 5, 2005.

- John Kelley representing Luther Forest Technology Campus Economic Development Corporation, was interviewed on October 5, 2005. Luther Forest Technology Campus Economic Development Corporation is the current owner of land formerly owned by Wright-Malta Corporation.

Interview logs documenting the conversations with each of the property representatives are included in **Appendix E**. All three representatives stated that they were not aware of any new groundwater usage, or other actions, within the environmental restriction zone, that would impact any condition of the Environmental Restriction Easements and the Declaration of Restrictive Covenants. However, John Kelley and Alexander Mackey made references to the proposed land use changes associated with the Luther Forest Technology Campus and the Saratoga Technology Campus. Hal Brodie referred to proposed buildings to be built across the road from the existing NYSERDA Building on Hermes Road.

5.0 SUMMARY

5.1 Drinking Water

With the exception of short-term operational issues associated with recovery wells RW-1D and RW-2D, that were resolved early in the reporting period, the drinking water treatment system is operating effectively. The treatment equipment will continue to be monitored as necessary to ensure continued operation of all components and to maintain a reliable source of water for the Test Station. All of the effluent samples collected for performance monitoring and analyzed during the current period revealed concentrations below project discharge objectives.

5.2 EWMS

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

- Total chromium was detected at monitoring wells 13D, M-27D and surface water location SW-B. With the exception of the estimated result from well 13D, each of the total chromium detections were below the NYSGWS of 50 µg/l.
- Hexavalent chromium was not detected at the monitoring wells or surface water locations.
- Carbon tetrachloride was detected in monitoring wells M-25D, M-27D, M-29D and 11D at concentrations of 91 µg/l, 13 µg/l, 37 µg/l and 14 µg/l, respectively. Carbon tetrachloride was also detected in surface water sample locations SW-E and SW-B at estimated concentrations of 0.6 µg/l and 0.5 µg/l, respectively. All other water sample locations were non-detect for carbon tetrachloride during the reporting period. The carbon tetrachloride detections at wells M-25D, M-27D, M-29D and M-11D were above the NYSGWS of 5 µg/l. With the exception of monitoring well M-25D, carbon tetrachloride concentrations observed from this monitoring event were similar or lower than concentrations observed during the remedial investigation.
- Chloroform was not detected at any of the wells or surface water locations with the exception of detections at wells M-25D, M-29D and M-11D at concentrations of 9 µg/l and 5 µg/l and 3 µg/l, respectively, and an estimated concentration of 0.9 µg/l at monitoring well M-27D. The detection in well M-27D was edited by the data validator to nondetection at the method limit due to the presence of chloroform in the associated trip and/or cooler blanks.

- TCE was not detected at any of the wells or surface water locations, with the exception of wells M-25D, M-27D and M-29D at concentrations of 37 µg/l, 24 µg/l, and 13 µg/l respectively, and monitoring well 11D and surface water location SW-B at estimated concentrations of 0.9 µg/l and 0.3 µg/l, respectively. TCE concentrations observed from this monitoring event were similar or lower than concentrations observed during the remedial investigation. Trichlorofluoromethane was not detected at any of the wells or surface water locations with the exception of well M-27D with a concentration of 1 µg/l. The NYSGWS for both TCE and trichlorofluoromethane is 5 µg/l.
- As shown in **Figures 3, 4** and **5**, simulated concentrations of carbon tetrachloride and TCE are much higher than the observed concentrations.

TABLES

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

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

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

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

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

Date	Operator	Operational Status of System	Work Performed
7/19/2005	John Skaarup	OK	Monthly O&M visit with coliform sampling. Adjusted RW-2D flow control valve to proper position. Replaced RW-1D fuse and restarted well pump. System interlock testing performed – all OK.
8/18/05	Brian Neumann & Butch Haviland	Arrival - Not OK Departure - OK	Visit to diagnose settling tank high level, blower low pressure and amperage alarms. Blower motor found to be damaged. Aquired & installed replacement motor, confirmed proper system operation prior to departure.
8/22/2005	John Skaarup & Brian Neumann	Not OK	Visit to diagnose system issue. Blower is operating but well pumps are not operating.
8/23/2005	John Skaarup & Ken Day	Not OK	Replaced 20 amp fuses in RW-1D panel in Bldg. 15 with 30 amp fuses. Determined that RW-2D pump/motor needed to be replaced.
8/25/05	John Skaarup & Robert Hyde & Butch Haviland	Arrival – Not OK Departure - OK	Replaced RW-2D well pump/motor. Installed protective jacketing around pump wiring inside well. Confirmed proper system operation prior to departure.
8/30/2005	John Skaarup	Arrival - OK Departure - Not OK	Monthly O&M visit with performance sampling. Tested system process piping and interlocks. Condensation observed on piping due to low water temperature and high ambient air temperature. Cleaned reservoir level float switch. Issue observed with settling tank float switch.
8/31/2005	John Skaarup	Arrival – Not OK Departure – OK	Re-installed old settling tank float switch. Reservoir level approximately 11.9 feet before switch replacement. System restarted and tested – all OK.
9/29/2005	John Skaarup	OK	Monthly O&M visit. Adjusted RW-2D flow control valve to proper position. Tested system process piping and interlocks.
10/25/2005	John Skaarup & Mike Puglisi	OK	Monthly O&M visit. Adjusted RW-2D flow control valve to proper position prior to conducting quarterly performance monitoring. Collected coliform sample. Tested system process piping and interlocks. All OK.
11/16/05	John Skaarup & Brian Neumann	OK	Installed a lockable, butterfly valve in place of pre-totalizer flow control valve on each of RW-1D and RW-2D process lines.
11/29/05	John Skaarup	OK	Monthly O&M visit. System not active upon arrival. Made slight adjustment to RW-2D valve to reduce flow rate. Tested alarm interlocks and inspected process piping – all OK.
12/22/2005	John Skaarup	OK	Monthly system inspection. System not active upon arrival. Inspected system process piping and valves. Made slight adjustment of RW-2D valve to reduce flow rate. Tested system interlocks – all OK.

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

1	2	3					4					5
DATE	TIME	WATER FLOW --LINE 1D					WATER FLOW --LINE 2D					PROBLEMS OR COMMENTS
		1D LINE FLOW METER RDG(GPM)	1D LINE TOTALIZER RDG(GAL)	ELAPSED TIME (DAYS)	TOTAL FLOW THIS PERIOD (GAL)	AVG FLOW THIS PERIOD (GPM)	2D LINE FLOW METER RDG(GPM)	2D LINE TOTALIZER RDG(GAL)	ELAPSED TIME (DAYS)	TOTAL FLOW THIS PERIOD (GAL)	AVG FLOW THIS PERIOD (GPM)	
7/19/2005	15:20	0/6.2	4043700	21	10,700	0.35	17.3/6.8	4,746,200	21	155,000	5.13	
8/30/2005	12:55	6.0	4,114,600	42	70,900	1.17	5.9	5,040,600	42	294,400	4.87	
9/29/2005	13:50	6.5/6.2	4,214,800	30	100,200	2.32	17.0/6.2	5,172,900	30	132,300	3.06	
10/26/2005	12:50	5.2/5.4	4,257,400	27	42,600	1.10	18/6.0	5,299,600	27	126,700	3.26	
11/29/2005	8:20	5.5	4,339,600	34	82,200	1.68	7.4/6.5	5,398,800	34	99,200	2.03	
12/22/2005	9:25	5.4	4,371,700	23	32,100	0.97	7.5/6.2	5,440,600	23	41,800	1.26	
Summary				177	338,700	1.3289			177	849,400	3.3325	

NR = Not Recorded
NA = Not Applicable

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

1	2	3			4	5
DATE	TIME	STANDPIPE LEVEL (FT)	LEVEL PROBE OK ?	SAMPLES TAKEN ?	AIR BLOWER PRESSURE OK?	PROBLEMS OR COMMENTS
7/19/2005	15:20	12.75	Yes	No	Yes-2.10	Monthly visit with coliform sampling at W-M Bldg. 15 Settling Tank.
8/30/2005	12:55	12.50	Yes	Yes	Yes-3.10	Monthly visit with performance sampling.
9/29/2005	13:50	12.75	Yes	Yes	Yes-3.20	Monthly visit.
10/26/2005	12:50	12 - 13	Yes	No	Yes-3.4	Monthly visit;biological growth on standpipe is blocking water level.
11/29/2005	8:20	12 - 13	Yes	No	Yes-3.19	Monthly visit.
12/22/2005	9:25	12.75	Yes	No	Yes-3.45	Monthly visit.

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

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

Notes:

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

TABLE 5
OCTOBER 2005 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	DGC-3S	DGC-4S	4D	11D	13D	DUP B (13D)	14 D	M-24D	M-25D	M-27D
Acetone	50	5 UJ	5 UJ	5 UJ	5 UJ	NA	NA	5 UJ	5 UJ	25 UJ	5 UJ
Carbon Disulfide	None*	1 U	1 U	1 U	1 UJ	NA	NA	1 U	1 U	5 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	14	NA	NA	1 U	10	91	13
Chloroform	7	1 U	1 U	1 U	3.0	NA	NA	1 U	0.5 J	9	1 U
2-Butanone	5	5 UJ	5 UJ	5 UJ	5 UJ	NA	NA	5 UJ	5 UJ	25 UJ	5 UJ
Trichloroethene	5	1 U	1 U	1 U	0.9 J	NA	NA	1 U	1 U	37	24
Trichlorofluoromethane	5*	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	5 U	1.0
Chromium	50*	NA	NA	NA	NA	60.8 J	33.5 J	NA	NA	NA	1.6 B
Hexavalent Chromium	50*	NA	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
Field Parameters											
pH	--	6.90	7.85	7.97	7.90	8.04	--	8.00	8.02	7.81	8.02
Temperature (celsius)	--	10.32	10.9	8.57	9.27	8.69	--	8.35	8.72	8.77	9.62
Conductivity (umhos/cm)	--	268	448	409	518	418	--	380	396	534	441
Dissolved Oxygen	--	2.57	2.55	6.9	9.68	1.02	--	11.88	11.29	6.25	10.85
Turbidity (NTUs)	--	21	129	62	3.3	388	--	13.1	0.0	6.8	4.2
Depth To Water (feet)	--	15.85	5.25	38.85	30.16	37.21	--	44	32.65	30.15	39.06
Ground Water Elevation (feet)	--	189.95	200.55	288.70	289.52	292.06	--	297.37	287.92	284.31	265.21

Notes:

1. All analytical concentrations are in µg/l (micrograms per liter (ppb)).
2. Only compounds detected at one or more sampling points are listed.
3. NA - not analyzed for.
4. U - analyte was not detected, and value shown is the detection limit.
5. J - estimated value due to data validation requirements or concentration less than CRQL (organics only).
6. B - The reported value is less than the CRDL but greater than the IDL (inorganics only).

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

7. D - Indentifies all compounds analyzed at a secondary dilution factor.
8. NM - Not measured due to equipment malfunction.

TABLE 5
OCTOBER 2005 WATER QUALITY ANALYTICAL RESULTS
SEMI-ANNUAL SAMPLING

Compound	Remedial Action Objective	M-29D	DUPA (29D)	M-33S	M-33I	Trip Blank 1	Trip Blank 2	SW-A	SW-B	SW-D	SW-E	SW-F	SW-G
Acetone	50	10 UJ	5 UJ	5 UJ	4 J	5 UJ	5 J	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Carbon Disulfide	None*	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	37	41	1 U	1 U	1 U	1 U	1 U	0.5 J	1 U	0.6 J	1 U	1 U
Chloroform	7	5.0	5	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	5	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	5	13	14	1 U	1 U	1 U	1 U	1 U	0.3 J	1 U	1 U	1 U	1 U
Trichlorofluoromethane	50*	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium	50*	NA	NA	NA	NA	NA	NA	NA	0.5 B	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Field Parameters													
pH	--	7.99	--	8.21	8.30	--	--	8.27	8.42	8.30	8.03	8.13	8.07
Temperature (celsius)	--	9.68	--	8.42	8.58	--	--	11.12	10.73	9.14	8.99	8.65	8.42
Conductivity (umhos/cm)	--	583	--	259	394	--	--	344	376	393	523	300	378
Dissolved Oxygen	--	10.48	--	9.78	7.84	--	--	12.00	11.81	11.72	11.86	11.64	12.25
Turbidity (NTUs)	--	14.9	--	40.7	0.1	--	--	1,344	58	942	1,327	1,164	1,038
Depth To Water (feet)	--	45.68	--	15.25	30.19	--	--	NA	NA	NA	NA	NA	NA
Ground Water Elevation (feet)	--	288.98	--	289.02	273.50	--	--	NA	NA	NA	NA	NA	NA

Notes:

1. All analytical concentrations are in µg/l (micrograms per liter (ppb)).
2. Only compounds detected at one or more sampling points are listed.
3. NA - not analyzed for.
4. U - analyte was not detected, and value shown is the detection limit.
5. J - estimated value due to data validation requirements or concentration less than CRQL (organics only).
6. B - The reported value is less than the CRDL but greater than the IDL (inorganics only).

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

7. D - Indentifies all compounds analyzed at a secondary dilution factor.
8. NM - Not measured due to equipment malfunction.

TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
JUNE 1987 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action	6/29-			1/19-	4/18-	7/20-	10/11-	1/19-			
DGC-3S	Objective	7/1/1987	7/31/87	11/5/87	1/20/1988	4/19/1988	7/21/1988	10/12/88	1/20/89	4/10/89	7/12/89	8/15/1989
Benzene	0.7*	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND
Aluminum	100*	0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25^	NA	NA	NA	NA	<0.005 mg/L	NA	NA	NA	NA	NA	NA
Chromium	50^	NA	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	no data
DGC-4S												
Carbon Disulfide	None*	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Chromium	50^	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
13S												
Benzene	0.7*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	None*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethane	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^	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

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not sampled.

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

dp = Duplicate sample.

E = Estimated concentration; due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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

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** = Filtered Sample.

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MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
JUNE 1987 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

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

Notes:

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

Only detected compounds are listed.

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dp = Duplicate sample.

E = Estimated concentration; due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
JUNE 1987 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

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

Notes:

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^^ = Filtered Sample.

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TABLE 6
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
JUNE 1987 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

Wells / Compounds	Remedial Action											
DGC-3S	**Objective**	**5/14/1996**	**10/23/1996**	**6/2/1997**	**10/14/1997**	**5/28/1998**	**10/29/1998**	**5/11/1999**	**10/26/1999**	**5/22/2000**	**10/24/2000**	**5/15/2001**
Benzene	0.7*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None^	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50^	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexavalent Chromium	50*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DGC-4S												
Carbon Disulfide	None^	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	50^	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13S												
Benzene	0.7*	NA	NA	1U	1U	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	None^	NA	NA	1U	1U	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5	NA	NA	1U	8	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	1U	1U	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50^	44.8	46.4	90.7/80.9**	71.4	71.2	98.6 J	72.4	169	249	29.9	136
Hexavalent Chromium	50*	47	47	97	67	51	54.0 J	71.0	178	262	41	12.3

Notes:

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Only detected compounds are listed.

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dp = Duplicate sample.

E = Estimated concentration; due to interference.

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MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
JUNE 1987 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

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

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not sampled.

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

dp = Duplicate sample.

E = Estimated concentration: due to interference.

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

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

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^^ = Filtered Sample.

See RI report for additional data.

TABLE 7
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

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

Notes:

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Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

J = Estimated concentration.

dp = Duplicate sample.

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

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** = Filtered Sample.

TABLE 7
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MONITORING WELLS M-27S, M-27D, M-33S, M-33I
JUNE 1992 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

M-27S	Remedial Action Objective	10/26/1999	5/22/2000	10/24/2000	5/15/2001	10/23/2001	5/29/2002	10/29/2002	4/15/2003	10/9/2003	5/25/2004	11/2004	5/24/2005	10/2005
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
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
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
Hexavalent Chromium	50*	ND / ND dp	ND	ND	ND / ND dp	ND / ND dp	ND / ND dp	ND / ND dp	ND UJ	ND U / ND dp	ND	ND	NA	NA
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
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
Chloromethane	5	ND	ND / ND dp	ND / ND dp	ND	ND	ND	ND	ND ND dp	ND	ND ND dp	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
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
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
Hexavalent Chromium	50*	ND	ND/ND dp	ND/ND dp	ND	ND	ND	ND	ND / ND dp	ND	ND / ND dp	ND	ND	ND
M-33S														
VOCs	-	ND	ND	ND	8.0 J	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

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

J = Estimated concentration.

dp = Duplicate sample.

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

D = Indentifies compound analyzed at a secondary dilution factor.

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

** = Filtered Sample.

TABLE 8
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
SURFACE WATER
JUNE 1987 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

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

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not Sampled.

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

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R = Rejected during data validation.

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See RI report for additional data.

TABLE 8
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
SURFACE WATER
JUNE 1987 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

Surface Water Points / Compounds	Cleanup				4/8-	6/12-	9/23-	12/26-	2/10-	6/1-	9/28-	11/18-	3/17-	5/25-	8/24-
SW-A	**Standard**	**5/30/90**	**8/28/90**	**12/6/90**	**4/10/1991**	**6/13/1991**	**9/24/1991**	**12/27/91**	**2/11/92**	**6/2/1992**	**9/29/1992**	**11/19/1992**	**3/18/1993**	**5/26/1993**	**8/25/1993**
Carbon Disulfide	None*	NA	NA	NA	0.5 V	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Lead	25*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Chromium	50*	NA	NA	NA	NA	NA	6.6	ND	ND	ND	ND	ND	6.1 B	ND	3.2B
SW-B															
Carbon Disulfide	None*	NA	NA	NA	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	1	0.4 J	0.6 J	0.4 J	0.8	0.8	0.7	0.3 J	0.6 V	ND	ND	0.3 J
Chloroform	7	ND	ND	ND	ND	0.2 J	ND	ND	ND	0.2 J	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	0.3 J	ND	0.2 J	ND	0.3 J	ND	ND	ND	ND	ND
Trichlorofluoromethane	5*	no data	no data	no data	no data	no data	no data	no data	no data	no data	ND	ND	2	ND	ND
Aluminum	100*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Lead	25*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Chromium	50*	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-D															
Acetone	5*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Bromochloromethane	5*	no data	no data	no data	no data	no data	no data	no data	no data	no data	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	NA	NA	NA	NA	NA	ND	ND	ND	ND	no data	no data	no data	no data	no data
1,2-Dichloroethane	0.6*	no data	no data	no data	no data	no data	no data	no data	no data	no data	ND	ND	ND	ND	ND
Methylene Chloride	5*	NA	NA	NA	NA	NA	ND	6.3 BE	ND	ND	no data	no data	no data	no data	no data
1,2,3-Trichlorobenzene	5*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Aluminum	100*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Lead	25*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data
Chromium	50*	NA	NA	NA	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-E (See O&M Manual Addendum No. 1)															
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-F (See O&M Manual Addendum No. 1)															
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-G (See O&M Manual Addendum No. 1)															
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

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

Only detected compounds are listed.

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TABLE 8
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
SURFACE WATER
JUNE 1987 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

Surface Water Points / Compounds	Cleanup	11/8-	2/22-	5/18-	8/24-	11/15-									
SW-A	**Standard**	**11/9/1993**	**2/23/1994**	**5/19/1994**	**8/25/1994**	**11/16/1994**	**5/23/1995**	**10/17/1995**	**5/14/1996**	**10/23/1996**	**6/2/1997**	**10/14/1997**	**5/28/1998**	**10/29/1998**	**5/11/1999**
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	NA	NA
Lead	25*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	NA	NA
Chromium	50*	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-B															
Carbon Disulfide	None*	ND	ND/ND dp	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	0.7	0.4 J/0.4 J dp	0.4 J	0.2 JV	ND	ND	0.7 J/0.6 J dp	ND	0.6J	ND	ND	0.3J	ND	ND
Chloroform	7	0.3 J	ND/ND dp	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	ND	0.1J	ND	ND
Trichloroethene	5	0.2 J	ND/ND dp	ND	ND	ND	ND	ND/ND dp	ND	ND	ND	ND	0.2J	ND	ND
Trichlorofluoromethane	5*	ND	ND/ND dp	ND	ND V	ND	ND	ND/ND dp	ND	ND	ND	ND	ND	ND	ND
Aluminum	100*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	NA	NA
Lead	25*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	NA	NA
Chromium	50*	ND	ND/ND dp	ND	ND	ND	ND	ND/ND dp	ND	ND	NA	ND	ND	3.1 BJ	0.44 B
SW-D															
Acetone	5*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	43 J	R	ND
Bromochloromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	None*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	no data	no data	no data	no data	no data	no data	no data	ND	ND	no data	no data	ND	0.2 J	ND
1,2-Dichloroethane	0.6*	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	no data	no data	no data	no data	no data	no data	no data	ND	ND	no data	no data	ND	ND	ND
1,2,3-Trichlorobenzene	5*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	0.1 J	ND	ND
Aluminum	100*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	NA	NA
Lead	25*	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	no data	NA	NA
Chromium	50*	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-E (See O&M Manual Addendum No. 1)															
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-F (See O&M Manual Addendum No. 1)															
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-G (See O&M Manual Addendum No. 1)															
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

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

Only detected compounds are listed.

NA = Not analysed.

ND = Not detected.

NS = Not Sampled.

dp = Duplicate sample.

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

D = Concentration determined from a sample dilution.

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J = Estimated concentration.

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** = Filtered Sample.

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TABLE 8
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
SURFACE WATER
JUNE 1987 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

Surface Water Points / Compounds	Cleanup Standard	10/26/1999	5/22/2000	10/24/2000	5/15/2001	10/23/2001	5/29/2002	10/29/2002	4/9/2003	10/9/2003	5/25/2004	11/2004	5/24/2005	10/2005
SW-A														
Carbon Disulfide	None[b]	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	NA	ND
Aluminum	100[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-B														
Carbon Disulfide	None[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Carbon Tetrachloride	5	ND	ND	0.54 J	ND	ND	ND	0.18 J	0.34 J	0.27 J	0.38 J	0.43 J	NA	0.5 J
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20 J	ND	NA	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	0.20 J	0.19 J	0.28 J	0.27 J	NA	0.3 J
Trichlorofluoromethane	5[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Aluminum	100[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50[a]	ND	0.9 B	0.75 B	ND	ND	1.5 B	0.93 B	1.0 B	0.75 B	2.1 B	0.94 B	NA	0.5 B
SW-D														
Acetone	5[a]	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	NA	ND
Bromochloromethane	5[a]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Carbon Disulfide	None[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2-Dichloroethane	0.6[a]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Methylene Chloride	5[a]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2,3-Trichlorobenzene	5[a]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Aluminum	100[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-E (See O&M Manual Addendum No. 1)														
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.0	NA	0.6 J
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NA	ND
SW-F (See O&M Manual Addendum No. 1)														
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NA	ND
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NA	ND
SW-G (See O&M Manual Addendum No. 1)														
Carbon Tetrachloride	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NA	ND
Trichloroethene	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NA	ND

Notes:

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

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

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E = Estimated concentration : due to interference.

J = Estimated concentration.

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

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See RI report for additional data.

TABLE 9
SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D
JUNE 1992 - OCTOBER 2005
SEMI-ANNUAL SAMPLING

Wells / Compounds.	Remedial Action Objective	6/1-6/2/1992	11/18-11/19/1992	11/2004	5/24/2005	10/24/2005
4D						
Acetone	50	ND	ND R	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND
11D						
Acetone	50	ND	ND R	ND	ND	ND
Carbon Tetrachloride	5	ND	6	4.6	13	14
Chloroform	7	ND	3	ND	4.0	3.0
Trichloroethene	5	9J	7	ND	0.8 J	0.9J
13D						
Chromium	50*	98.4	38.9J	4.5 B	78.3	60.8
Hexavalent Chromium	50*	NA	NA	10 U	10 U	ND
M-24D						
Acetone	50	ND	ND R	ND	ND	ND
Carbon Tetrachloride	5	10	0.7	0.59 J	10	10
Chloroform	7	ND	ND	ND	0.6 J	0.5J
Trichloroethene	5	ND	ND	ND	ND	ND
M-25D						
Acetone	50	ND	ND R	ND	ND	ND
Carbon Tetrachloride	5	48	27R	86.8 D	81 D	91
Chloroform	7	ND	3R	8.7	8.0	9.0
Trichloroethene	5	3J	8R	16.1	35 D	37
M-29D						
Acetone	50	ND	ND R	ND	ND	ND
Carbon Tetrachloride	5	79	84	10.8	38 D	37
Chloroform	7	ND	14	ND	4.0	5.0
Trichloroethene	5	19	24	6.0	14	13
13D						
Chromium	50*	98.4	38.9 J	4.5 B	78.3	60.8 J
Hexavalent Chromium	50*	NA	NA	10 U	10 U	10 U

Notes:

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

Only detected compounds are listed.

See Remedial Investigation report for additional d

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ND = Not detected.

NS = Not sampled.

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dp = Duplicate sample.

E = Estimated concentration due to interference.

R = Analysis rejected

D = Concentration determined from a sample dilution.

J = Estimated concentration.

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

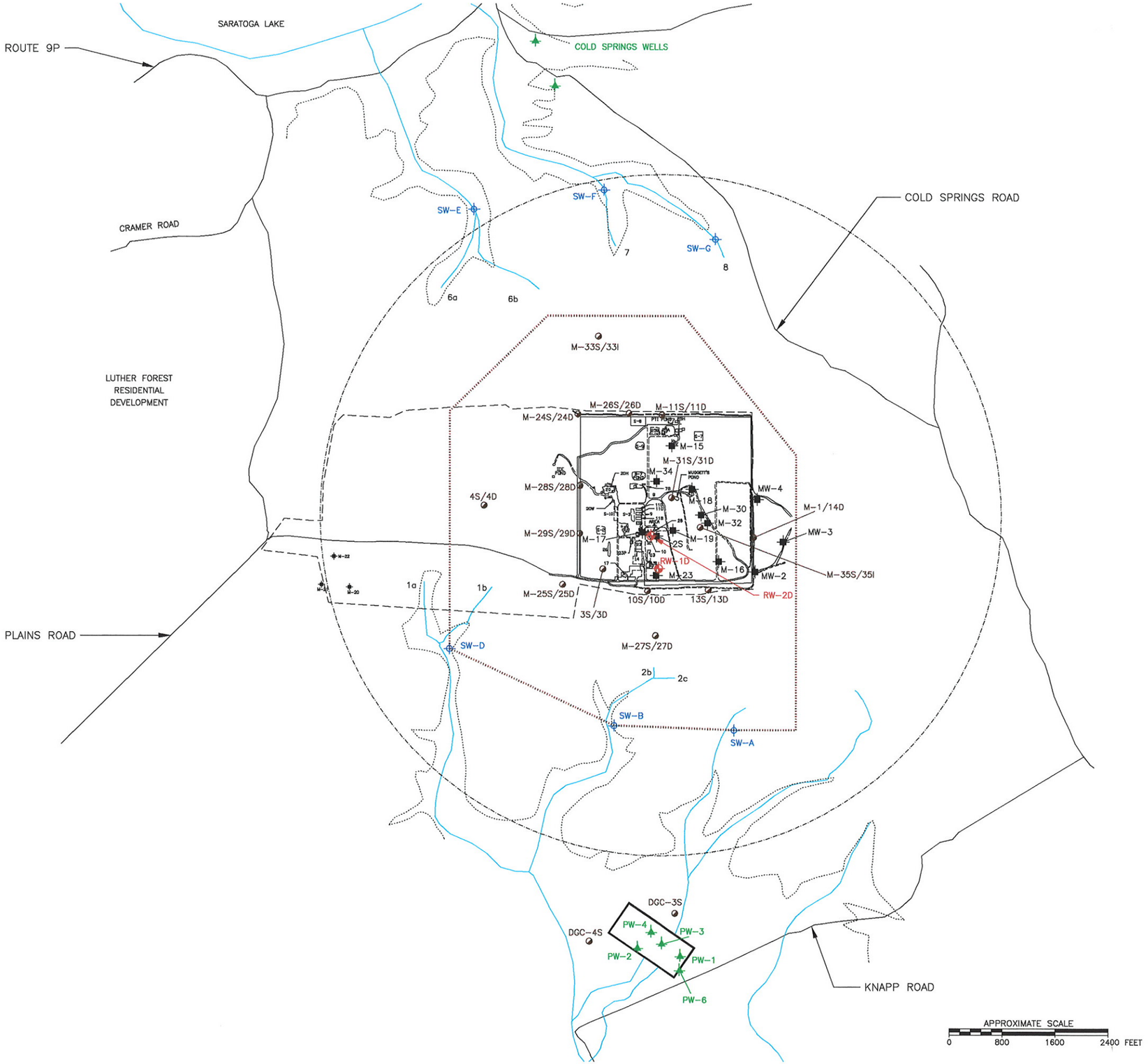
- - = Not sampled; well installed in December, 1990.

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

** = Filtered Sample.

FIGURES

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
ALBANY, NY	S. SHIKOLNIK 01-04-05			810066D1



LEGEND

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

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

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

Shaw
Shaw Environmental, Inc.

MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

FIGURE 1
SITE LOCATION MAP

L:\project\MRFA\810066D1.dwg
Plot Date/Time: 02/09/06 09:55am
Format Revised: 11/23/99
Image:
Xref:

FIGURE 2
WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS

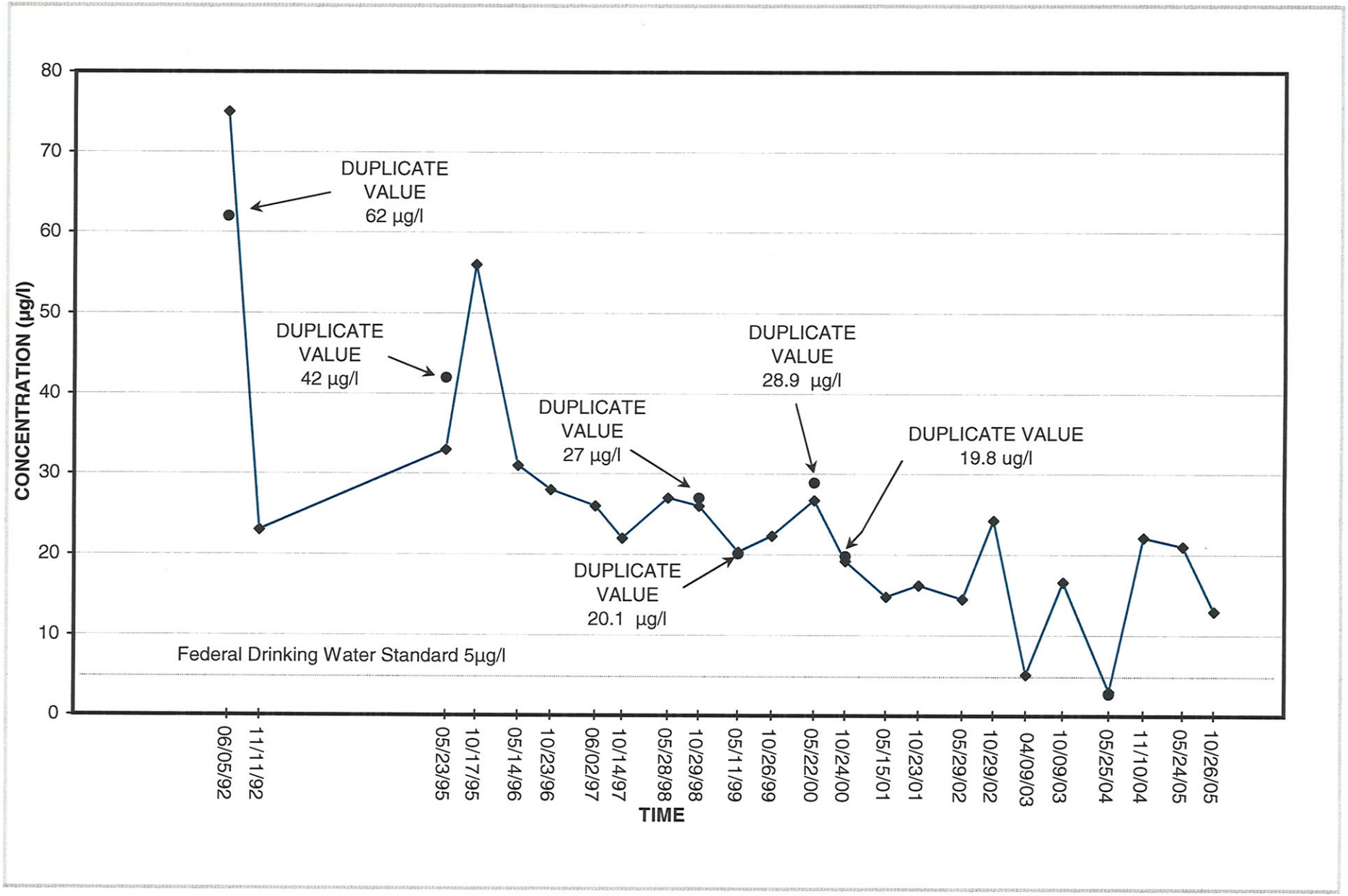


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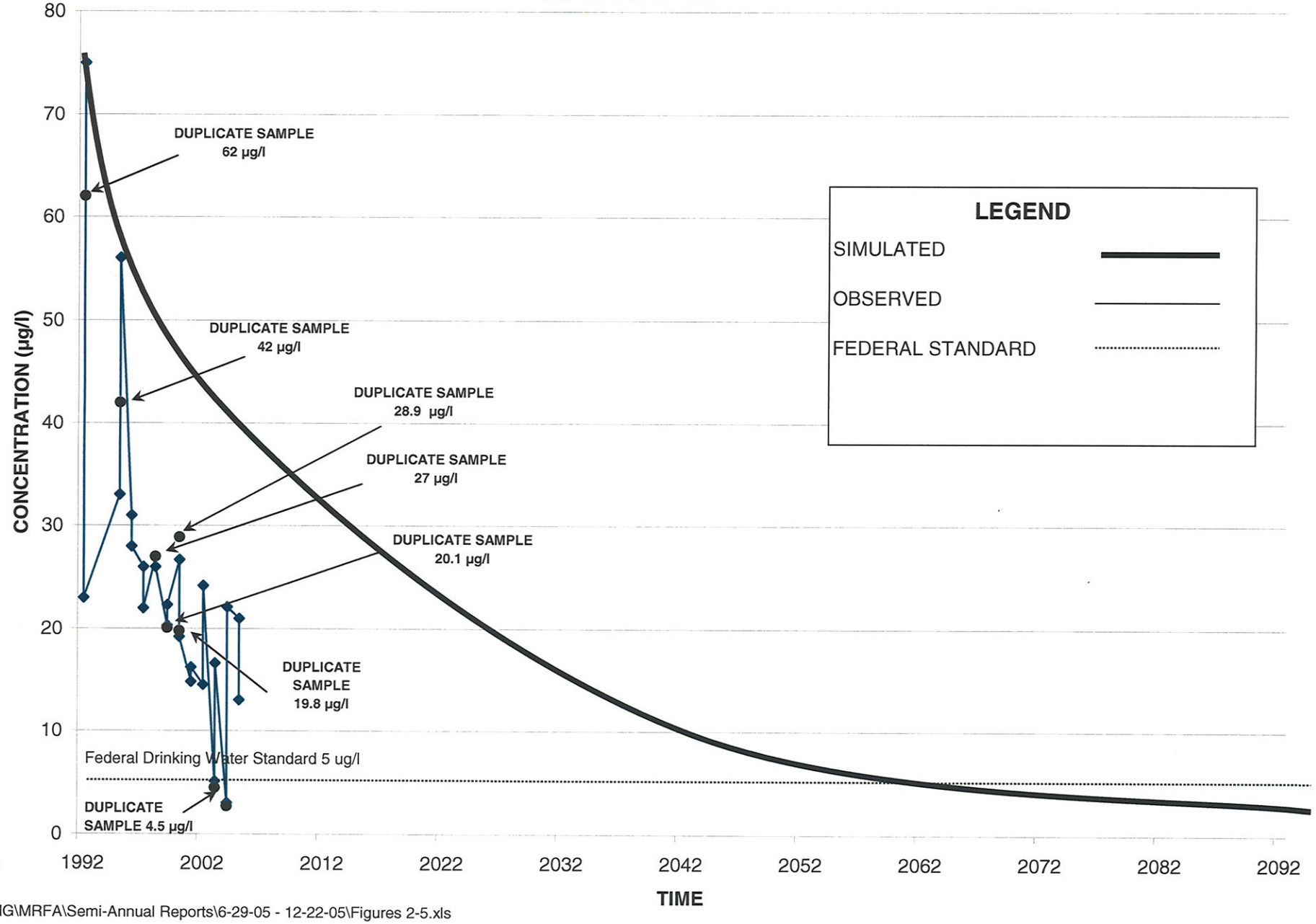
FIGURE 3
SIMULATED VERSUS OBSERVED (OCTOBER 2005) CARBON TETRACHLORIDE CONCENTRATIONS AT WELL M-27D



X:\MG\MRFA\Semi-Annual Reports\6-29-05 - 12-22-05\Figures 2-5.xls

FIGURE 4
SIMULATED VERSUS OBSERVED (OCTOBER 2005)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33S

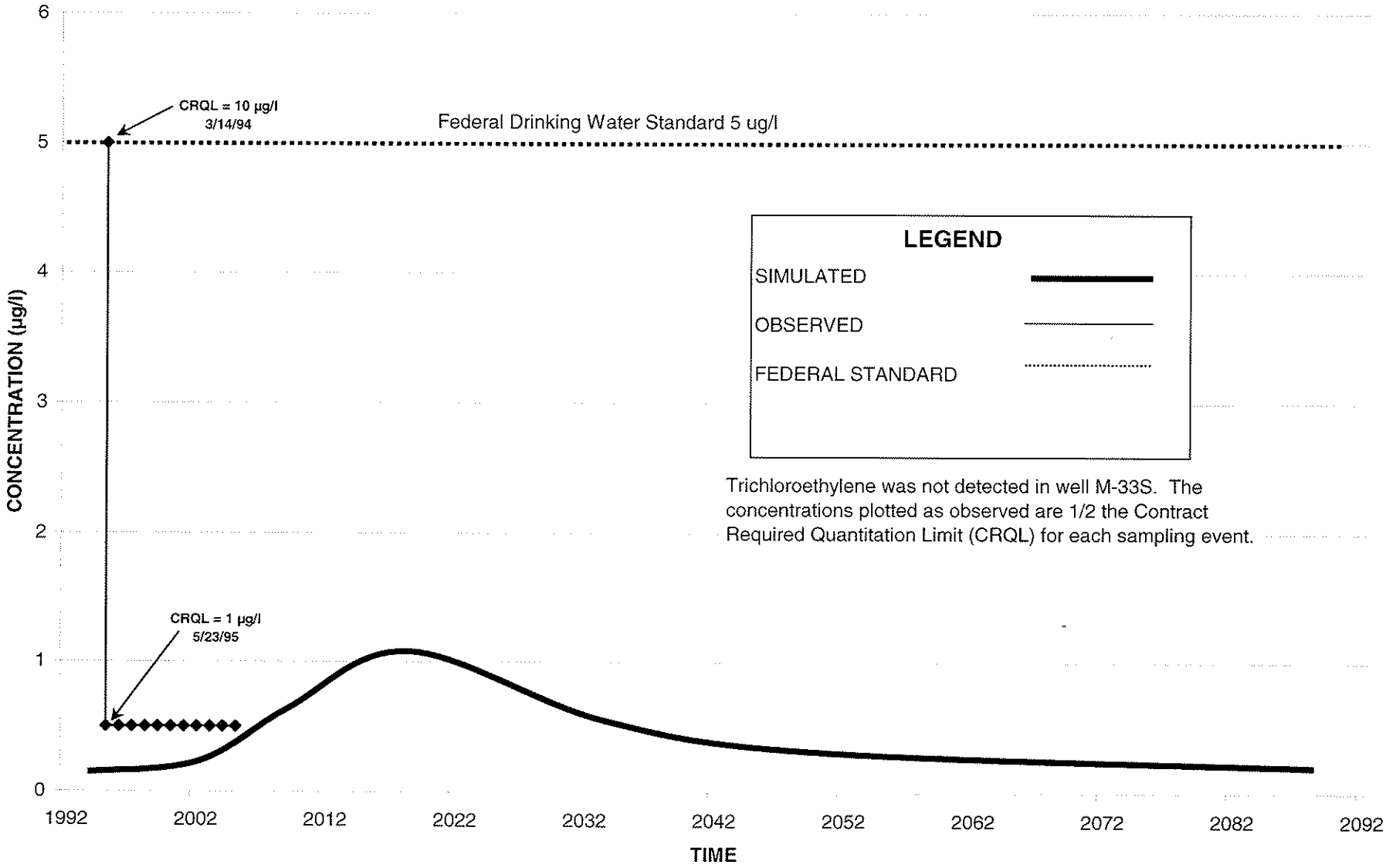


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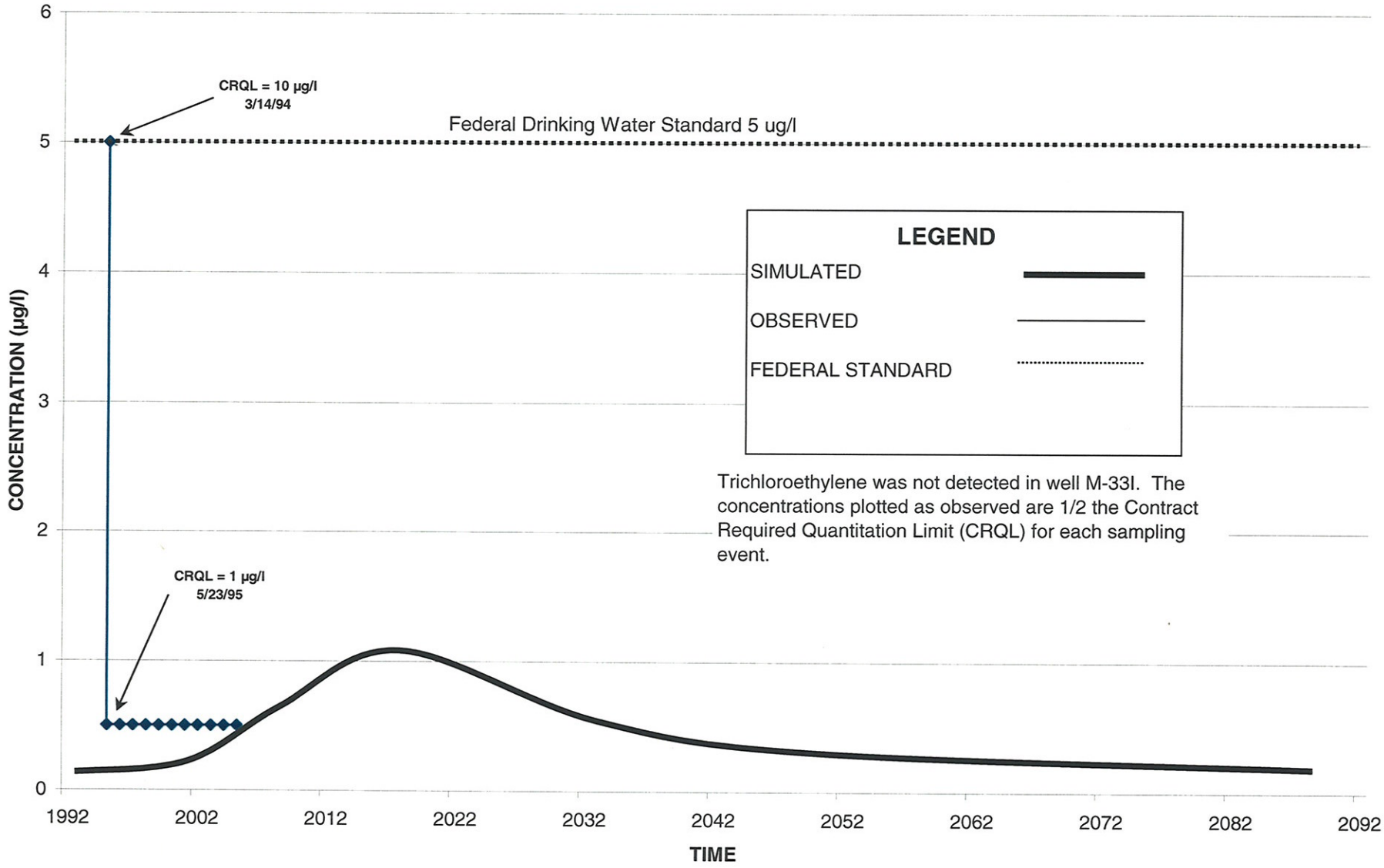
FIGURE 5
SIMULATED VERSUS OBSERVED (OCTOBER 2005)
TRICHLOROETHENE CONCENTRATIONS
AT WELL M-33I



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APPENDIX A

LABORATORY DATA, INFLUENT/EFFLUENT WATER SAMPLES

AUGUST 30, 2005
AND
OCTOBER 25, 2005

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

Columbia Analytical Services INC.
An Employee - Owned Company

October 3, 2005

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

Re: MRFA
Submission # R2527609
SDG # EFFLUENT

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of three samples, one trip blank and one cooler blank were received by our laboratory on August 31, 2005.

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

Columbia Analytical Services, Inc.

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

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Shaw Environmental
Project Reference: MRFA PROJECT #810066
Lab Submission # : R2527609
Project Manager : Janice Jaeger
Reported : 09/30/05

Report Contains a total of 45 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
MRFA Project #810066
SUBMISSION #: R2527609

Shaw water samples were collected on 08/30/05 and received at CAS on 08/31/05 in good condition at a cooler temperature of 6°C.

VOLATILE ORGANICS

Three water samples, one cooler blank and one trip blank were analyzed for a site-specific List of Volatiles by method OLC 2.1.

All Tuning criteria for BFB were within limits.

The initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within limits.

All surrogate standard recoveries were within limits.

All samples were analyzed within required holding times.

Site-specific QC was performed on the Influent. All MS/MSD recoveries were within limits. All Blank Spike recoveries were within limits. All RPD's were within limits.

All results between the MDL and PQL have been flagged with a "J" as estimated.

The Cooler blank contained a low level hit for Chloroform.

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

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 conditions detailed above. Release of the data contained in the hard copy package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG#:EFFLUENT
SUBMISSION R2527609
CLIENT: Shaw Environmental
CLIENT REP: Janice Jaeger
PROJECT: MRFA PROJECT #810066

BATCH COMPLETE: yes
DISKETTE REQUESTED: Y_x__ N____
DATE: 8/31/05
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED:
DATE DUE: 9/28/2005
PROTOCOl aspb delive
SHIPPING No.:
SUMMARY PKG: Y__x___ N

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS AMPLE CONDITION
839215	EFFLUENT	WATER	OLC2.1 LL VOA	8/30/05	8/31/05			
839216 QC	INFLUENT	WATER	OLC2.1 LL VOA	8/30/05	8/31/05			
839217	BLIND DUP	WATER	OLC2.1 LL VOA	8/30/05	8/31/05			
839218	TRIP BLANK	WATER	OLC2.1 LL VOA	8/30/05	8/31/05			
839219	COOLER BLANK	WATER	OLC2.1 LL VOA	8/30/05	8/31/05			

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2004 SEAL OF EXCELLENCE PROGRAM Environmental

ORGANIC QUALIFIERS

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

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

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 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

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 Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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

SR #

CAS Contact

Project Name: MRFA	Project Number: 810066
Project Manager: Brian Neumann	Report CC: Steven Meier, Judy Harry
Company/Address: Shaw Environmental, Inc. 13 British American Blvd. Latham, NY 12110	
Phone #: 518-783-1996	FAX#: 518-783-8397
Sampler's Signature:	Sampler's Printed Name: John A. Skarupa

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	OLC21 V04	REMARKS/ ALTERNATE DESCRIPTION
Effluent	839215	8/30/05	1315	H2O									X	
Influent, MS, MSD	839216	↓	1320	↓									X	
Blind Duplicate	839217	↓	—										X	
Trip Blank	839218	—	—	↓									X	

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

SPECIAL INSTRUCTIONS/COMMENTS

Metals

VOC analytes to include:

Hexachlorobutadiene
1,2,3-trichlorobenzene
trichlorofluoromethane

Cooler Blank-839219

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO: GE CEP
Attn: Steven Meier
Albany, NY
SUBMISSION #: R257-1609

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: John A. Skarupa	Printed Name: Heather Lovejoy	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: Shaw Environmental, Inc	Firm: CTS	Firm:	Firm:	Firm:	Firm:
Date/Time: 8/30/05 1600	Date/Time: 8/31/05 945	Date/Time:	Date/Time:	Date/Time:	Date/Time:

SCOC-1102-08

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

Cooler Receipt And Preservation Check Form

Project/Client: Shaw   Submission Number: R2527609

Cooler received on 8/31/05 by: [illegible]   COURIER: CAS **(UPS)** FEDEX CD&L CLIENT

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

Is the temperature within 0° - 6° C?: **(Yes)** Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 8/31/05 1020

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

If out of Temperature, Client Approval to Run Samples ____________

Cooler Breakdown: Date: 8/31/05 by: [illegible]

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

Explain any discrepancies: ____________

pH	Reagent	YES	NO	Sample I.D.	Reagent	Vol. Added
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

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

**If pH adjustment is required, use NaOH and/or H_2SO_4

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

Other Comments:

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

	EPA SAMPLE NO.	SMC1 #	TOT OUT
01	VBLK01	97	0
02	LCS01	97	0
03	TRIP BLANK	99	0
04	INFLUENT	97	0
05	EFFLUENT	101	0
06	BLIND DUP	100	0
07	INFLUENTMS	101	0
08	INFLUENTMSD	101	0
09	VBLK02	97	0
10	LCS02	98	0
11	COOLER BLAN	98	0

			QC LIMITS
SMC1	=	4-Bromofluorobenzene	(80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix Spike - EPA Sample No INFLUENT

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Vinyl Chloride	5.0	0.0	5.0	100	60 - 140
1,2-Dichloroethane	5.0	0.0	5.0	100	60 - 140
Carbon tetrachloride	5.0	11	16	102	60 - 140
Benzene	5.0	0.0	5.1	102	60 - 140
Trichloroethene	5.0	14	18	84	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	5.2	104	60 - 140
Tetrachloroethene	5.0	0.0	5.3	106	60 - 140
1,2-Dibromoethane	5.0	0.0	5.3	106	60 - 140
Bromoform	5.0	0.0	4.9	98	60 - 140
1,4-Dichlorobenzene	5.0	0.0	5.0	100	60 - 140

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	5.0	5.2	104	4	30	60 - 140
1,2-Dichloroethane	5.0	5.0	100	0	30	60 - 140
Carbon tetrachloride	5.0	16	100	0	30	60 - 140
Benzene	5.0	5.1	102	0	30	60 - 140
Trichloroethene	5.0	18	80	0	30	60 - 140
1,2-Dichloropropane	5.0	5.0	100	4	30	60 - 140
cis-1,3-Dichloropropene	5.0	4.8	96	4	30	60 - 140
1,1,2-Trichloroethane	5.0	5.5	110	6	30	60 - 140
Tetrachloroethene	5.0	5.3	106	0	30	60 - 140
1,2-Dibromoethane	5.0	5.2	104	2	30	60 - 140
Bromoform	5.0	4.9	98	0	30	60 - 140
1,4-Dichlorobenzene	5.0	5.1	102	2	30	60 - 140

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMS

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845687 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2531.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. Date Analyzed: 09/08/05

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
74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	4	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	5	
156-60-5	trans-1,2-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	5	
78-93-3	2-Butanone (MEK)	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	16	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	18	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	5	
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	
79-00-5	1,1,2-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMS

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845687 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2531.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. Date Analyzed: 09/08/05

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

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

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845688 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2532.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. Date Analyzed: 09/08/05

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

74-87-3	Chloromethane	5	
75-01-4	Vinyl Chloride	5	
74-83-9	Bromomethane	5	
75-00-3	Chloroethane	5	
75-69-4	Trichlorofluoromethane	5	
75-35-4	1,1-Dichloroethene	5	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	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 (MEK)	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	16	
71-43-2	Benzene	5	
79-01-6	Trichloroethene	18	
78-87-5	1,2-Dichloropropane	5	
75-27-4	Bromodichloromethane	5	
10061-01-5	cis-1,3-Dichloropropene	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	6	
127-18-4	Tetrachloroethene	5	
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	
106-93-4	1,2-Dibromoethane	5	
108-90-7	Chlorobenzene	5	
100-41-4	Ethylbenzene	5	
1330-20-7	(m+p) Xylene	10	
1330-20-7	o-Xylene	5	
100-42-5	Styrene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	
75-25-2	Bromoform	5	
541-73-1	1,3-Dichlorobenzene	5	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENTMSD

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845688 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2532.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. Date Analyzed: 09/08/05

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	
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.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix Spike - EPA Sample No LCS01

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

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845686 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2526.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/08/05

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

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845686 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2526.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/08/05

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	
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.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix Spike - EPA Sample No LCS02

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

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 846098 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2541.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/09/05

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS02

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 846098 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2541.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/09/05

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	
96-12-8	1,2-Dibromo-3-chloropropane	4	
120-82-1	1,2,4-Trichlorobenzene	5	
87-68-3	Hexachlorobutadiene	5	
87-61-6	1,2,3-Trichlorobenzene	5	

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Lab File ID: T2525.D Lab Sample ID: 845685 1.0

Date Analyzed: 09/08/05 Time Analyzed: 18:45

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	845686 1.0	T2526.D	19:16
02	TRIP BLANK	839218 1.0	T2527.D	19:52
03	INFLUENT	839216 1.0	T2528.D	20:29
04	EFFLUENT	839215 1.0	T2529.D	21:06
05	BLIND DUP	839217 1.0	T2530.D	21:42
06	INFLUENTMS	845687 1.0	T2531.D	22:19
07	INFLUENTMSD	845688 1.0	T2532.D	22:56

COMMENTS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845685 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2525.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/08/05

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
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 (MEK)	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845685 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2525.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/08/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845685 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2525.D

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

% Moisture: not dec. _____ Date Analyzed: 09/08/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Lab File ID: T2540.D Lab Sample ID: 845690 1.0

Date Analyzed: 09/09/05 Time Analyzed: 11:55

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	LCS02	846098 1.0	T2541.D	12:38
02	COOLER BLANK	839219 1.0	T2544.D	14:35

COMMENTS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845690 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2540.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/09/05

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

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 (MEK)	5	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK02

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845690 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2540.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/09/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK02

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 845690 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2540.D

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

% Moisture: not dec. _____ Date Analyzed: 09/09/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Lab File ID: T2516.D BFB Injection Date: 09/08/05

Instrument ID: GCMS#6 BFB Injection Time: 11:50

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	14.2
75	30.0 - 66.0% of mass 95	43.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (0.7)1
174	50.0 - 120.0% of mass 95	109.3
175	4.0 - 9.0% of mass 174	7.9 (7.2)1
176	93.0 - 101.0% of mass 174	107.6 (98.5)1
177	5.0 - 9.0% of mass 176	7.3 (6.8)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001/005	VSTD001/005	T2518.D	09/08/05	13:18
02	VSTD002/005	VSTD002/010	T2519.D	09/08/05	14:00
03	VSTD005/025	VSTD005/025	T2520.D	09/08/05	14:43
04	VSTD010/025	VSTD010/050	T2521.D	09/08/05	15:29
05	VSTD025/125	VSTD025/125	T2522.D	09/08/05	16:51
06	VBLK01	845685 1.0	T2525.D	09/08/05	18:45
07	LCS01	845686 1.0	T2526.D	09/08/05	19:16
08	TRIP BLANK	839218 1.0	T2527.D	09/08/05	19:52
09	INFLUENT	839216 1.0	T2528.D	09/08/05	20:29
10	EFFLUENT	839215 1.0	T2529.D	09/08/05	21:06
11	BLIND DUP	839217 1.0	T2530.D	09/08/05	21:42
12	INFLUENTMS	845687 1.0	T2531.D	09/08/05	22:19
13	INFLUENTMSD	845688 1.0	T2532.D	09/08/05	22:56

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Lab File ID: T2538.D BFB Injection Date: 09/09/05

Instrument ID: GCMS#6 BFB Injection Time: 10:37

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	12.7
75	30.0 - 66.0% of mass 95	43.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.6 (0.6)1
174	50.0 - 120.0% of mass 95	97.3
175	4.0 - 9.0% of mass 174	4.7 (4.9)1
176	93.0 - 101.0% of mass 174	90.7 (93.2)1
177	5.0 - 9.0% of mass 176	6.4 (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 SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005/025	VSTD005/025	T2539.D	09/09/05	11:18
02	VBLK02	845690 1.0	T2540.D	09/09/05	11:55
03	LCS02	846098 1.0	T2541.D	09/09/05	12:38
04	COOLER BLANK	839219 1.0	T2544.D	09/09/05	14:35

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Lab File ID (Standard): T2520.D Date Analyzed: 09/08/05

Instrument ID: GCMS#6 Time Analyzed: 14:43

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

		IS1 AREA	#	IS1 RT	#	IS2 AREA	#	IS2 RT	#	IS3 AREA	#	IS3 RT	#
	12 HOUR STD	483966		7.08		408877		9.75		243490		11.32	
	UPPER LIMIT	967932		7.58		817754		10.25		486980		11.82	
	LOWER LIMIT	241983		6.58		204439		9.25		121745		10.82	
	EPA SAMPLE NO.												
01	VBLK01	465841		7.09		407343		9.76		216225		11.32	
02	LCS01	511885		7.09		412734		9.76		252333		11.32	
03	TRIP BLANK	463512		7.08		397322		9.75		209898		11.32	
04	INFLUENT	447863		7.08		401301		9.76		206512		11.32	
05	EFFLUENT	423651		7.08		392338		9.76		199752		11.32	
06	BLIND DUP	437745		7.09		393266		9.75		200918		11.32	
07	INFLUENTMS	516239		7.08		419146		9.75		254969		11.32	
08	INFLUENTMSD	516706		7.09		427604		9.76		260839		11.32	

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Lab File ID (Standard): T2539.D Date Analyzed: 09/09/05

Instrument ID: GCMS#6 Time Analyzed: 11:18

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

		IS1 AREA	#	IS1 RT	#	IS2 AREA	#	IS2 RT	#	IS3 AREA	#	IS3 RT	#
	12 HOUR STD	502114		7.09		418677		9.76		256875		11.32	
	UPPER LIMIT	1004228		7.59		837354		10.26		513750		11.82	
	LOWER LIMIT	251057		6.59		209339		9.26		128438		10.82	
	EPA SAMPLE NO.												
01	VBLK02	444288		7.09		390579		9.76		202957		11.32	
02	LCS02	511260		7.09		415949		9.76		259523		11.32	
03	COOLER BLANK	425207		7.09		397013		9.76		196228		11.32	

IS1 = 1,4-Difluorobenzene

IS2 = Chlorobenzene-d5

IS3 = Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of contract required QC limits

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839218 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2527.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. Date Analyzed: 09/08/05

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

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839218 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2527.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. Date Analyzed: 09/08/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839218 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2527.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. _____ Date Analyzed: 09/08/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENT

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839216 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2528.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. _____ Date Analyzed: 09/08/05

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

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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	11	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	14	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENT

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839216 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2528.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. Date Analyzed: 09/08/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839216 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2528.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. _____ Date Analyzed: 09/08/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839215 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2529.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. _____ Date Analyzed: 09/08/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839215 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2529.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. _____ Date Analyzed: 09/08/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839215 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2529.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. Date Analyzed: 09/08/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

BLIND DUP

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839217 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2530.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. Date Analyzed: 09/08/05

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
74-87-3	Chloromethane	0.9	J
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	J J
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

BLIND DUP

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839217 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2530.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. Date Analyzed: 09/08/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BLIND DUP

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839217 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2530.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. Date Analyzed: 09/08/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLANK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839219 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2544.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. _____ Date Analyzed: 09/09/05

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

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLANK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839219 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2544.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. _____ Date Analyzed: 09/09/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

COOLER BLANK

Lab Name: CAS/ROCH Contract: IT-LATHAM

Lab Code: 10145 Case No.: R5-27609 SAS No.: _____ SDG No.: EFFLUENT

Matrix: (soil/water) WATER Lab Sample ID: 839219 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T2544.D

Level: (low/med) LOW Date Received: 08/31/05

% Moisture: not dec. _____ Date Analyzed: 09/09/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

APPENDIX B

LABORATORY DATA, GROUNDWATER SAMPLES AND SURFACE WATER SAMPLES

OCTOBER 25, and 26, 2005

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-11D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854051 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3562.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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
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 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 (MEK)	5	U J
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	14	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.9	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 J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-11D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854051 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3562.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-11D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854051 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3562.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-24D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854053 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3564.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	0.5	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 J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-24D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854053 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3564.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
M-24D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854053 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3564.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854054 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3462.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 10/27/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854054 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3462.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 10/27/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854054 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3462.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 10/27/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33I

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854055 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3463.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 10/27/05

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
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	4	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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33I

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854055 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3463.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 10/27/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-33I

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854055 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3463.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 10/27/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-G

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854056 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3464.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 10/27/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-G

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854056 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3464.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 10/27/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

SW-G

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854056 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3464.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 10/27/05

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-33S

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854057 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3465.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 10/27/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-33S

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854057 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3465.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 10/27/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET — EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

M-33S

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854057 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3465.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 10/27/05

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-F

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854058 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3560.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-F

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854058 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3560.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-F

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854058 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3560.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-E

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854059 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3561.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	0.6	J
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 J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-E

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854059 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3561.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-E

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854059 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3561.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-29D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854060 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3565.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 DL 12/14/05

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
67-64-1	Acetone	10	U J
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 (MEK)	10	U J
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	2	U
71-55-6	1,1,1-Trichloroethane	3	
56-23-5	Carbon tetrachloride	37	
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	13	
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 J
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
1330-20-7	(m+p) Xylene	2	U
1330-20-7	o-Xylene	2	U
100-42-5	Styrene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
75-25-2	Bromoform	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-29D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854060 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3565.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 DL 12/14/05

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-29D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854060 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3565.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 >L 12/14/05

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854061 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3566.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 5.0 >1 12/14/05

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U J
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	1	J
78-93-3	2-Butanone (MEK)	25	U J
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	9	
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	91	
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	37	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	25	U J
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	(m+p) Xylene	5	U
1330-20-7	o-Xylene	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
75-25-2	Bromoform	5	U
541-73-1	1,3-Dichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M-25D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854061 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3566.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 5.0 DL 12/14/05

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

CONCENTRATION UNITS:

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-25D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854061 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3566.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 5.0 DL 12/14/05

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854062 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3567.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	12	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	16	
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 J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

INFLUENT

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854062 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3567.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENT

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854062 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3567.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854063 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3568.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	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 J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854063 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3568.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFFLUENT

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854063 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3568.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

14D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854064 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3569.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854064 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3569.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

14D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854064 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3569.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPA

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854065 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3570.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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
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 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	0.7	J
78-93-3	2-Butanone (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	4	
56-23-5	Carbon tetrachloride	4 ~~41~~	~~E~~
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	14	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPA

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854065 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3570.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

DUPA

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854065 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3570.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854066 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3571.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854066 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3571.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854066 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3571.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLANK

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854067 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3590.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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
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 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 (MEK)	5	U J
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	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 J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

COOLER BLANK

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854067 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3590.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/04/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

COOLER BLANK

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854067 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3590.D

Level: (low/med) LOW Date Received: 10/26/05

% Moisture: not dec. Date Analyzed: 11/04/05

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854521 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3586.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. Date Analyzed: 11/04/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DGC-3S

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854521 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3586.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-3S

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854521 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3586.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DGC-4S

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854524 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3582.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. Date Analyzed: 11/04/05

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

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

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DGC-4S

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854524 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3582.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DGC-4S

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854524 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3582.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

4D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854525 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3583.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. Date Analyzed: 11/04/05

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

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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

4D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854525 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3583.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET — EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

4D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854525 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3583.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-A

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854527 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3584.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-A

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854527 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3584.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-A

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854527 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3584.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-B

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854533 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3585.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. Date Analyzed: 11/04/05

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
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 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	0.5	J
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.3	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-B

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854533.1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3585.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. Date Analyzed: 11/04/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-B

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854533 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3585.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/04/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854534 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3563.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U 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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1 ~~2.9~~	J U
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	13	
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	24	
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 J
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

M-27D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854534 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3563.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

M-27D

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: _____ SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854534 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3563.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. _____ Date Analyzed: 11/03/05

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854537 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3572.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. Date Analyzed: 11/03/05

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
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	J
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 (MEK)	5	U J
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	4	
107-06-2	1,2-Dichloroethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	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	2	
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 J
124-48-1	Dibromochloromethane	0.8	J
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	(m+p) Xylene	1	U
1330-20-7	o-Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
75-25-2	Bromoform	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854537 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3572.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

TRIP BLANK

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R5-28504 SAS No.: SDG No.: M-11D

Matrix: (soil/water) WATER Lab Sample ID: 854537 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T3572.D

Level: (low/med) LOW Date Received: 10/27/05

% Moisture: not dec. Date Analyzed: 11/03/05

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Columbia Analytical Services

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
13D

Contract: R2528504

Lab Code: Case No.: SAS No.: SDG NO.: M-11D

Matrix (soil/water): WATER Lab Sample ID: 854068

Level (low/med): LOW Date Received: 10/26/05

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	60.8		J	P

Color Before: BROWN Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: DUPB

Contract: R2528504

Lab Code: Case No.: SAS No.: SDG NO.: M-11D

Matrix (soil/water): WATER Lab Sample ID: 854069

Level (low/med): LOW Date Received: 10/26/05

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	33.5		J	P

Color Before: BROWN Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
M-27D

Contract: R2528504

Lab Code: Case No.: SAS No.: SDG NO.: M-11D

Matrix (soil/water): WATER Lab Sample ID: 854534

Level (low/med): LOW Date Received: 10/27/05

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.6	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
SW-B

Contract: R2528504

Lab Code: Case No.: SAS No.: SDG NO.: M-11D

Matrix (soil/water): WATER Lab Sample ID: 854533

Level (low/med): LOW Date Received: 10/27/05

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.50	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

COLUMBIA ANALYTICAL SERVICES

Reported: 12/20/05

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

Date Sampled : 10/25/05 14:48 **Order #:** 854068 **Sample Matrix:** WATER
Date Received: 10/26/05 **Submission #:** R2528504

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/26/05	12:01	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/20/05

Shaw Environmental
Project Reference: MRFA PROJECT #810066
Client Sample ID : DUPB

Date Sampled : 10/25/05 15:05 **Order #:** 854069 **Sample Matrix:** WATER
Date Received: 10/26/05 **Submission #:** R2528504

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/26/05	12:01	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/20/05

Shaw Environmental
Project Reference: MFRA PROJECT #810066
Client Sample ID : SW-B

Date Sampled : 10/26/05 13:45 **Order #:** 854533 **Sample Matrix:** WATER
Date Received: 10/27/05 **Submission #:** R2528504

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/27/05	13:34	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/20/05

Shaw Environmental
Project Reference: MFRA PROJECT #810066
Client Sample ID : M-27D

Date Sampled : 10/26/05 15:30 **Order #:** 854534 **Sample Matrix:** WATER
Date Received: 10/27/05 **Submission #:** R2528504

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	10/27/05	13:34	1.0

APPENDIX C

DATA VALIDATION REPORTS

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
Facsimile 518-251-4428

January 16, 2006

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

RE: Validation of MRFA Malta Site Data Packages
CAS Sub Nos. R2527609 and R2528504

Dear Mr. Neumann:

Review has been completed for the data packages generated by Columbia Analytical Services (CAS), pertaining to aqueous samples collected 8/30/05, 10/25/05, and 10/26/05 at the MRFA Malta Site. Twenty-four samples (including two field duplicates) and cooler and trip blanks were processed for site-specific low level volatiles. Two of these and three additional samples (including 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

Those 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 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 analyte carbon tetrachloride in DUPA, which was initially flagged as "E" by the laboratory, is to be derived from the dilution analysis of the sample.

Due to presence in the associated cooler and /or trip blanks, the detections of chloroform in M - 27D and Influent (8/05) are considered external contamination, and edited to reflect nondetection ("U").

The following analytes exhibited low relative response factors (RRFs) in the calibration standards that are inherent with the methodology. The usability of those data are evidenced by spike recoveries and standard areas, but their reporting limits in all of the project samples should be considered estimated ("UJ" or "J" qualifier), possibly biased low: acetone, 2-butanone, and 1,2-dibromo-3-chloropropane. 2-Hexanone also shows similar low factors in the calibrations in October and November 2005. Therefore results for that analyte in the samples collected in October are also qualified as estimated.

Matrix spikes of Influent and M-27D show acceptable accuracy and precision.

Volatile field duplicate correlations for Effluent/Blind Dup and M-29D/DUPA are within validation guidelines.

Samples M-25D and M-29D were processed at dilution (fivefold and twofold, respectively) due to concentrations of certain target compounds. Therefore, reporting limits of analytes that are not detected are increased proportionally.

The laboratory Forms 8A show incorrect acceptance limits for internal standard responses. The sample analyses meet the protocol requirement.

Total Chromium Analyses

Accuracy and precision of M-27D (as shown by matrix spike and duplicate evaluation) were acceptable. The ICP serial dilution evaluation was also performed on M-27D, and the evaluation was not applicable due to the low sample concentration.

Field duplicate correlation for 13D and DUPB shows a variance of 58%RPD (also >+-CRDL). Results for chromium in those two samples are therefore qualified as estimated.

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

Accuracy and precision of M-27D (as shown by matrix spike and duplicate evaluation), and the field duplicate correlation for 13D and DUPB were within guidelines.

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

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

Very truly yours,

Judy Harry

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG#:EFFLUENT	BATCH COMPLETE: yes	DATE REVISED:
SUBMISSION R2527609	DISKETTE REQUESTED: Y_x__ N____	DATE DUE: 9/28/2005
CLIENT: Shaw Environmental	DATE: 8/31/05	PROTOCOl aspb delive
CLIENT REP: Janice Jaeger	CUSTODY SEAL: PRESENT/ABSENT:	SHIPPING No.:
PROJECT: MRFA PROJECT #810066	CHAIN OF CUSTODY: PRESENT/ABSENT:	SUMMARY PKG: Y__x__ N

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS AMPLE CONDITION
839215	EFFLUENT	WATER	OLC2.1 LL VOA	8/30/05	8/31/05			
839216 QC	INFLUENT	WATER	OLC2.1 LL VOA	8/30/05	8/31/05			
839217	BLIND DUP	WATER	OLC2.1 LL VOA	8/30/05	8/31/05			
839218	TRIP BLANK	WATER	OLC2.1 LL VOA	8/30/05	8/31/05			
839219	COOLER BLANK	WATER	OLC2.1 LL VOA	8/30/05	8/31/05			

839215 8/31/2005

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG#:M-11D
SUBMISSION R2528504
CLIENT: Shaw Environmental
CLIENT REP: Janice Jaeger
PROJECT: MRFA PROJECT #810066

BATCH COMPLETE: yes
DISKETTE REQUESTED: Y_x__ N____
DATE: 10/26/05
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED:
DATE DUE: 11/23/05
PROTOCOL:ASPB
SHIPPING No.:
SUMMARY PKG: Y__x__ N

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
854051	M-11D	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854053	M-24D	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854054	SW-D	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854055	M-33I	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854056	SW-G	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854057	M-33S	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854058	SW-F	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854059	SW-E	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854060	M-29D	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854061	M-25D	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854062	INFLUENT	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854063	EFFLUENT	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854064	14D	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854065	DUPA	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854066	TRIP BLANK	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854067	COOLER BLANK	WATER	OLC2.1+3COMP	10/25/05	10/26/05			
854068	13D	WATER	CR+6,CR.ASP	10/25/05	10/26/05			
854069	DUPB	WATER	CR+6,CR.ASP	10/25/05	10/26/05			
854521	DGC-3S	WATER	OLC2.1+3COMP	10/26/2005	10/27/2005			
854524	DGC-4S	WATER	OLC2.1+3COMP	10/26/2005	10/27/2005			
854525	4D	WATER	OLC2.1+3COMP	10/26/2005	10/27/2005			
854527	SW-A	WATER	OLC2.1+3COMP	10/26/2005	10/27/2005			
854533	SW-B	WATER	OLC2.1+3COMP,CR+6,CR,ASP	10/26/2005	10/27/2005			
854534	M-27D	WATER	OLC2.1+3COMP,CR+6,CR,ASP	10/26/2005	10/27/2005			
854537	TRIP BLANK	WATER	OLC2.1+3COMP	10/26/2005	10/27/2005			

CASE NARRATIVE

COMPANY: Shaw Environmental
MRFA Project #810066
SUBMISSION #: R2527609

Shaw water samples were collected on 08/30/05 and received at CAS on 08/31/05 in good condition at a cooler temperature of 6°C.

VOLATILE ORGANICS

Three water samples, one cooler blank and one trip blank were analyzed for a site-specific List of Volatiles by method OLC 2.1.

All Tuning criteria for BFB were within limits.

The initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within limits.

All surrogate standard recoveries were within limits.

All samples were analyzed within required holding times.

Site-specific QC was performed on the Influent. All MS/MSD recoveries were within limits. All Blank Spike recoveries were within limits. All RPD's were within limits.

All results between the MDL and PQL have been flagged with a "J" as estimated.

The Cooler blank contained a low level hit for Chloroform.

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

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 conditions detailed above. Release of the data contained in the hard copy package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:

CASE NARRATIVE

COMPANY: Shaw environmental, Inc.
PROJECT: MRFA - #810066
SUBMISSION #: R2528504

Water samples were collected on 10/25/05 and 10/26/05 and received at CAS on 10/26/05 and 10/27/05 in good condition at cooler temperatures of 1 and 4 °C, respectfully. An ASP-B type data package has been provided.

VOLATILE ORGANIC ANALYSIS

Twenty water samples and two Trip Blanks were analyzed for the Target Compound List (TCL) pus additional compounds of low level volatile organics by OLM 2.1. Library Searches against the NBS/EPA library were conducted on all samples. The 30 largest peaks within 10 % of the nearest Internal Standard were searched. A summary of detected peaks is included following the Target data. Any analyte detected was quantitated based on the closest internal standard and has been flagged with a "J" as estimated.

All Tuning criteria for BFB were within limits.

The initial and continuing calibration criteria for the method were met.

All internal standard areas were within QC limits.

All sample surrogate recoveries were within QC limits for recovery.

The Blank Spike (LCS) recoveries were all within QC limits. Site QC was done on sample M-27D. All matrix spike/matrix spike duplicate (MS/MSD) recoveries and RPD data were within QC limits.

The Laboratory Blanks were free of contamination.

The Trip Blank from 10/25/05 was free of contamination. The Trip Bank from 10/26/05 contained some detected values for THM's. No data was affected.

The Cooler Blank had a small detected amount of Chloroform (0.4 J ug/l) but no data was affected.

Several samples were initially analyzed at dilutions to bring target analytes within the calibration range of the method. Sample DUPA was re-analyzed at a larger dilution to bring target analytes within the calibration range of the method. Both dilutions were reported with over-range values flagged with an "E".

No other analytical or QC problems were encountered during the analysis of this SDG.

METALS ANALYSIS

Four water samples were analyzed for Total Chromium using SW-846 ICP method 6010B and Hexavalent Chromium by EPA method 7196A.

The Blank Spike (Reference Check) recoveries were all within QC limits. Site QC was done on sample M-27D. The matrix spike recoveries were within QC limits. All duplicate results (RPD) were outside QC limits.

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 conditions detailed 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.

Michael K. Perry
Laboratory Manager

12/21/07
Date

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

U - **The analyte was analyzed for, but was not detected above the reported sample quantitation limit.**

J - **The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.**

N - **The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."**

NJ - **The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.**

UJ - **The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.**

R - **The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.**

APPENDIX D

AIR STRIPPER FLOW DATA

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
6/29/2005	Total	8,410	6,300	5.84	4.38	10.22
6/30/2005	Total	7,830	6,080	5.44	4.22	9.66
7/1/2005	Total	9,460	0	6.57	0.00	6.57
7/2/2005	Total	9,240	0	6.42	0.00	6.42
7/3/2005	Total	3,230	0	2.24	0.00	2.24
7/4/2005	Total	3,110	0	2.16	0.00	2.16
7/5/2005	Total	3,210	0	2.23	0.00	2.23
7/6/2005	Total	9,520	0	6.61	0.00	6.61
7/7/2005	Total	11,560	0	8.03	0.00	8.03
7/8/2005	Total	9,660	0	6.71	0.00	6.71
7/9/2005	Total	9,490	0	6.59	0.00	6.59
7/10/2005	Total	2,870	0	1.99	0.00	1.99
7/11/2005	Total	3,340	0	2.32	0.00	2.32
7/12/2005	Total	9,280	0	6.44	0.00	6.44
7/13/2005	Total	9,250	0	6.42	0.00	6.42
7/14/2005	Total	9,090	0	6.31	0.00	6.31
7/15/2005	Total	7,730	0	5.37	0.00	5.37
7/16/2005	Total	7,440	0	5.17	0.00	5.17
7/17/2005	Total	5,970	0	4.15	0.00	4.15
7/18/2005	Total	3,230	0	2.24	0.00	2.24
7/19/2005	Total	8,450	0	5.87	0.00	5.87
7/20/2005	Total	8,580	870	5.96	0.60	6.56
7/21/2005	Total	5,690	4,890	3.95	3.40	7.35
7/22/2005	Total	5,650	4,930	3.92	3.42	7.35
7/23/2005	Total	5,910	5,140	4.10	3.57	7.67
7/24/2005	Total	2,280	310	1.58	0.22	1.80
7/25/2005	Total	2,710	0	1.88	0.00	1.88
7/26/2005	Total	7,850	0	5.45	0.00	5.45
7/27/2005	Total	10,150	0	7.05	0.00	7.05
7/28/2005	Total	10,160	0	7.06	0.00	7.06
7/29/2005	Total	10,170	0	7.06	0.00	7.06
7/30/2005	Total	17,130	0	11.90	0.00	11.90
7/31/2005	Total	3,140	0	2.18	0.00	2.18
8/1/2005	Total	2,360	0	1.64	0.00	1.64
8/2/2005	Total	13,350	0	9.27	0.00	9.27
8/3/2005	Total	11,400	0	7.92	0.00	7.92
8/4/2005	Total	11,850	0	8.23	0.00	8.23
8/5/2005	Total	11,750	0	8.16	0.00	8.16
8/6/2005	Total	12,310	0	8.55	0.00	8.55
8/7/2005	Total	3,130	0	2.17	0.00	2.17
8/8/2005	Total	2,770	0	1.92	0.00	1.92
8/9/2005	Total	11,500	0	7.99	0.00	7.99
8/10/2005	Total	10,640	0	7.39	0.00	7.39
8/11/2005	Total	10,900	0	7.57	0.00	7.57
8/12/2005	Total	10,780	0	7.49	0.00	7.49
8/13/2005	Total	11,570	0	8.03	0.00	8.03
8/14/2005	Total	3,260	0	2.26	0.00	2.26
8/15/2005	Total	2,660	0	1.85	0.00	1.85
8/16/2005	Total	10,430	0	7.24	0.00	7.24
8/17/2005	Total	9,460	0	6.57	0.00	6.57
8/18/2005	Total	490	0	0.34	0.00	0.34

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
8/19/2005	Total	8,870	0	6.16	0.00	6.16
8/20/2005	Total	17,520	0	12.17	0.00	12.17
8/21/2005	Total	0	0	0.00	0.00	0.00
8/22/2005	Total	0	0	0.00	0.00	0.00
8/23/2005	Total	0	6,420	0.00	4.46	4.46
8/24/2005	Total	0	100	0.00	0.07	0.07
8/25/2005	Total	0	9,440	0.00	6.56	6.56
8/26/2005	Total	4,970	8,940	3.45	6.21	9.66
8/27/2005	Total	8,690	8,440	6.03	5.86	11.90
8/28/2005	Total	8,190	7,670	5.69	5.33	11.01
8/29/2005	Total	3,670	3,660	2.55	2.54	5.09
8/30/2005	Total	6,480	6,640	4.50	4.61	9.11
8/31/2005	Total	3,770	3,870	2.62	2.69	5.31
9/1/2005	Total	5,030	5,030	3.49	3.49	6.99
9/2/2005	Total	6,910	6,920	4.80	4.81	9.60
9/3/2005	Total	4,930	5,000	3.42	3.47	6.90
9/4/2005	Total	1,330	1,360	0.92	0.94	1.87
9/5/2005	Total	1,200	1,270	0.83	0.88	1.72
9/6/2005	Total	1,100	1,170	0.76	0.81	1.58
9/7/2005	Total	4,730	5,040	3.28	3.50	6.78
9/8/2005	Total	5,490	5,870	3.81	4.08	7.89
9/9/2005	Total	4,950	5,290	3.44	3.67	7.11
9/10/2005	Total	5,140	5,390	3.57	3.74	7.31
9/11/2005	Total	1,250	1,320	0.87	0.92	1.78
9/12/2005	Total	1,200	1,270	0.83	0.88	1.72
9/13/2005	Total	4,960	5,220	3.44	3.63	7.07
9/14/2005	Total	5,120	5,320	3.56	3.69	7.25
9/15/2005	Total	5,250	5,380	3.65	3.74	7.38
9/16/2005	Total	5,150	5,230	3.58	3.63	7.21
9/17/2005	Total	4,940	4,960	3.43	3.44	6.88
9/18/2005	Total	1,230	1,230	0.85	0.85	1.71
9/19/2005	Total	1,230	1,250	0.85	0.87	1.72
9/20/2005	Total	5,260	5,270	3.65	3.66	7.31
9/21/2005	Total	7,300	3,350	5.07	2.33	7.40
9/22/2005	Total	7,710	2,710	5.35	1.88	7.24
9/23/2005	Total	6,910	2,480	4.80	1.72	6.52
9/24/2005	Total	6,000	2,180	4.17	1.51	5.68
9/25/2005	Total	1,580	570	1.10	0.40	1.49
9/26/2005	Total	1,650	600	1.15	0.42	1.56
9/27/2005	Total	5,870	2,140	4.08	1.49	5.56
9/28/2005	Total	6,690	2,470	4.65	1.72	6.36
9/29/2005	Total	6,990	2,630	4.85	1.83	6.68
9/30/2005	Total	6,960	3,810	4.83	2.65	7.48
10/1/2005	Total	5,340	2,440	3.71	1.69	5.40
10/2/2005	Total	1,660	600	1.15	0.42	1.57
10/3/2005	Total	1,660	600	1.15	0.42	1.57
10/4/2005	Total	6,080	2,200	4.22	1.53	5.75
10/5/2005	Total	7,080	2,570	4.92	1.78	6.70
10/6/2005	Total	6,980	2,550	4.85	1.77	6.62
10/7/2005	Total	7,320	2,520	5.08	1.75	6.83
10/8/2005	Total	7,210	2,130	5.01	1.48	6.49

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
10/9/2005	Total	2,000	600	1.39	0.42	1.81
10/10/2005	Total	1,810	550	1.26	0.38	1.64
10/11/2005	Total	6,250	1,880	4.34	1.31	5.65
10/12/2005	Total	7,980	2,520	5.54	1.75	7.29
10/13/2005	Total	6,590	2,130	4.58	1.48	6.06
10/14/2005	Total	6,590	2,070	4.58	1.44	6.01
10/15/2005	Total	5,780	1,760	4.01	1.22	5.24
10/16/2005	Total	1,950	590	1.35	0.41	1.76
10/17/2005	Total	1,630	500	1.13	0.35	1.48
10/18/2005	Total	6,410	2,010	4.45	1.40	5.85
10/19/2005	Total	5,080	1,580	3.53	1.10	4.63
10/20/2005	Total	5,800	1,820	4.03	1.26	5.29
10/21/2005	Total	5,650	1,760	3.92	1.22	5.15
10/22/2005	Total	6,390	1,950	4.44	1.35	5.79
10/23/2005	Total	1,530	460	1.06	0.32	1.38
10/24/2005	Total	1,240	350	0.86	0.24	1.10
10/25/2005	Total	5,560	1,610	3.86	1.12	4.98
10/26/2005	Total	4,440	2,140	3.08	1.49	4.57
10/27/2005	Total	3,980	3,570	2.76	2.48	5.24
10/28/2005	Total	3,890	3,360	2.70	2.33	5.03
10/29/2005	Total	3,890	3,410	2.70	2.37	5.07
10/30/2005	Total	1,220	1,070	0.85	0.74	1.59
10/31/2005	Total	1,160	1,000	0.81	0.69	1.50
11/1/2005	Total	3,680	3,170	2.56	2.20	4.76
11/2/2005	Total	3,820	3,280	2.65	2.28	4.93
11/3/2005	Total	3,030	2,590	2.10	1.80	3.90
11/4/2005	Total	3,320	2,860	2.31	1.99	4.29
11/5/2005	Total	2,840	2,480	1.97	1.72	3.69
11/6/2005	Total	1,040	900	0.72	0.63	1.35
11/7/2005	Total	940	820	0.65	0.57	1.22
11/8/2005	Total	3,580	3,090	2.49	2.15	4.63
11/9/2005	Total	3,530	3,070	2.45	2.13	4.58
11/10/2005	Total	3,730	3,260	2.59	2.26	4.85
11/11/2005	Total	4,110	3,560	2.85	2.47	5.33
11/12/2005	Total	3,930	3,370	2.73	2.34	5.07
11/13/2005	Total	1,130	980	0.78	0.68	1.47
11/14/2005	Total	1,340	1,140	0.93	0.79	1.72
11/15/2005	Total	3,700	3,190	2.57	2.22	4.78
11/16/2005	Total	3,930	3,410	2.73	2.37	5.10
11/17/2005	Total	1,290	1,130	0.90	0.78	1.68
11/18/2005	Total	4,680	3,830	3.25	2.66	5.91
11/19/2005	Total	5,850	4,180	4.06	2.90	6.97
11/20/2005	Total	1,450	1,130	1.01	0.78	1.79
11/21/2005	Total	1,260	980	0.88	0.68	1.56
11/22/2005	Total	3,860	2,980	2.68	2.07	4.75
11/23/2005	Total	3,450	2,650	2.40	1.84	4.24
11/24/2005	Total	3,730	2,820	2.59	1.96	4.55
11/25/2005	Total	1,360	1,030	0.94	0.72	1.66
11/26/2005	Total	1,420	1,070	0.99	0.74	1.73
11/27/2005	Total	1,420	1,070	0.99	0.74	1.73
11/28/2005	Total	1,350	1,000	0.94	0.69	1.63

Date		Well #2 Flow (gal)	Well #1 Flow (gal)	Well #2 Average (gpm)	Well #1 Average (gpm)	Total Daily Average Flow (gpm)
11/29/2005	Total	4,060	2,990	2.82	2.08	4.90
11/30/2005	Total	3,410	2,630	2.37	1.83	4.19
12/1/2005	Total	3,950	3,060	2.74	2.13	4.87
12/2/2005	Total	2,010	1,570	1.40	1.09	2.49
12/3/2005	Total	1,690	1,310	1.17	0.91	2.08
12/4/2005	Total	1,710	1,310	1.19	0.91	2.10
12/5/2005	Total	1,560	1,220	1.08	0.85	1.93
12/6/2005	Total	1,770	1,370	1.23	0.95	2.18
12/7/2005	Total	1,760	1,360	1.22	0.94	2.17
12/8/2005	Total	1,730	1,330	1.20	0.92	2.13
12/9/2005	Total	3,920	3,000	2.72	2.08	4.81
12/10/2005	Total	1,390	1,070	0.97	0.74	1.71
12/11/2005	Total	1,330	1,010	0.92	0.70	1.63
12/12/2005	Total	1,330	1,020	0.92	0.71	1.63
12/13/2005	Total	1,340	1,020	0.93	0.71	1.64
12/14/2005	Total	1,620	1,230	1.13	0.85	1.98
12/15/2005	Total	1,300	990	0.90	0.69	1.59
12/16/2005	Total	1,560	1,170	1.08	0.81	1.90
12/17/2005	Total	1,460	1,100	1.01	0.76	1.78
12/18/2005	Total	1,440	1,080	1.00	0.75	1.75
12/19/2005	Total	1,470	1,100	1.02	0.76	1.78
12/20/2005	Total	1,370	1,020	0.95	0.71	1.66
12/21/2005	Total	1,430	1,070	0.99	0.74	1.74
12/22/2005	Total	1,420	1,080	0.99	0.75	1.74
Grand Total		**852,570**	**339,880**	**3.345**	**1.333**	**4.678**

APPENDIX E

TELEPHONE INTERVIEW LOGS

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Indicate Property Owner Interviewed: Mr. Hal Brodie 518-862-1090, ext. 3280	X	**New York State Energy Research and Developmental Authority**
		Wright-Malta Corporation
		Luther Forest Corporation
Date of Interview: 10/3/05	**Property Owner Representative:** Mr. Hal Brodie	
Interview Questions:	**Representative Response:**	
Do you have any knowledge of current or proposed future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.	No proposed groundwater use. Proposed buildings, but no water use. Buildings to be located across Hermes Road from existing building.	
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	See above.	
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	Yes.	
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.	No.	
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?	No.	
Interview completed by: John A. Skaarup	Interviewer signature: [signature] Date: 10/3/05	

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Indicate Property Owner Interviewed: John A. Kelley Mr. ~~Raymond (RP) Kazyaka~~ 518-~~899-2227~~		**New York State Energy Research and Developmental Authority**
	X	~~**Wright-Malta Corporation**~~ Saratoga Economic Development Corporation
		Luther Forest Corporation
Date of Interview: 10/5/05	**Property Owner Representative:** ~~Mr. Raymond Kazyaka~~ John A. Kelley	
Interview Questions:	**Representative Response:**	
Do you have any knowledge of current or proposed future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.	No. Expect to terminate use of existing drinking water system.	
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	Yes, PDD process for nanotech park, as indicated on web site.	
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	Knows of groundwater use restriction, although not specifically aware of notice requirements	
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.	No.	
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?	No.	
Interview completed by: John A. Skaarup	Interviewer signature: John A Skaarup Date: 10/5/05	

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

Indicate Property Owner Interviewed: Mr. Alex Mackey 518-899-6001		**New York State Energy Research and Developmental Authority**
		Wright-Malta Corporation
	X	**Luther Forest Corporation**
Date of Interview: 10/5/05	**Property Owner Representative:** Mr. Alex Mackey	
Interview Questions:	**Representative Response:**	
Do you have any knowledge of current or proposed future use of groundwater within the area of the Environmental Restriction Zone? Do not include activities associated with Remedial Work Element II, Malta Test Station Drinking Water System.	No.	
Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone?	Yes. SEDC tech park proposal.	
Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants?	Yes.	
Have you provided any interested parties with a notice of Environmental Restriction Easement and Declaration of Restrictive Covenants in any instrument (document) conveying an interest in any part of the affected property? If so, please provide a date of execution and recording reference number, as provided by the Office of the Clerk of Saratoga County, New York.	Yes. Do not know date(s).	
Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants?	No.	
Interview completed by: John A. Skarupa	Interviewer signature: John A Skarupa Date: 10/5/05	