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# FINAL SEMI-ANNUAL OPERATION MONITORING & MAINTENANCE REPORT
# REMEDIAL WORK ELEMENTS I, II AND IV
# REPORTING PERIOD JUNE 20, 2006 THROUGH DECEMBER 29, 2006

***Malta Rocket Fuel Area Site***
***Malta, New York***

February 9, 2007

Submitted to:

General Electric Company
Corporate Environmental Programs
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**CERTIFICATION**: This document has been reviewed and is prepared in accordance with the contract documents.

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# 1.0 INTRODUCTION

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

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

This report covers all site activities performed at the site, as required in each of the previously referenced documents, for the period from June 20, 2006 through December 29, 2006.

# 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 18, August 15, September 20, October 16, November 15, and December 29, 2006.

The groundwater treatment system is comprised of a packed tower air stripper. System influent and effluent samples were collected during the August 15, 2006 and October 16, 2006 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 4.0 and 6.8 gallons per minute (gpm), respectively, yielding a total instantaneous flow of approximately 10.8 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 7 gpm.

Review of the analytical results for influent and effluent treatment system samples collected in August 2006 and October 2006 confirm that during the reporting period, the system effluent water quality was well below the chemical specific effluent requirements presented in the O&M manual. Air stripper blower pressure readings as well as the effluent water quality data demonstrate that the air stripper packing material is not in need of cleaning or replacement. Additional discussions regarding air stripper flow, air stripper blower pressure readings and water quality sampling are presented in the following sections.

## 2.1 Remote Telemetry/Programmable Logic Controller

To ensure that the system operates continuously, system operating parameters are visually monitored during each of the monthly site visits and on a continual basis via a Remote Telemetry Unit (RTU). During the reporting period, the RTU notified key project personnel of alarm conditions via facsimile and voice messaging. The alarm conditions that were received by the

RTU that were not activated on-site during system O&M activities were identified as AC Power Failures or Blower Low Pressure/Blower Low Amperage. The AC power failure alarm conditions were apparently caused by short duration power 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. 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. Total flow rates were within acceptable ranges during the reporting period.

## *2.3 Operating Measurements*

### *2.3.1 Water Flow Measurements*

Water flow measurements for wells RW-1D and RW-2D collected during monthly site visits are

presented in **Table 3**, **Process Operating Report**. The totalizer readings collected at the site demonstrate average recovery well water flow rates for the period of June 20, 2006 to December 29, 2006 are as follows:

Well RW-1D: 0.3532 gpm
Well RW-2D: 0.8086 gpm
System Avg: 1.1618 gpm

Average daily water flow data as recorded by the on-site data logger are provided in **Appendix D**. Information obtained from the data logger indicates an average daily water flow rate of 1.171 gpm for the reporting period. The average water flow rate calculated from field observations (1.1618) is very similar to the average daily water flow rate calculated from the data logger (1.171), confirming the data logger's accuracy and usefulness in verifying field observations.

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

### *2.3.2 Blower Air Pressure*

Measurements of the air stripper blower back pressure were recorded on a weekly basis via RTU monitoring and during monthly O&M site visits. Readings collected during monthly O&M site visits from the pressure gauge installed to monitor the air stripper back pressure are provided in **Table 3**. Pressure readings ranged from 2.60 to 3.00 inches of water column during the current period. The pressure readings were within the acceptable range of readings that are specified in the *Operation and Maintenance Manual, Remedial Work Element I, Drinking Water, IT Corporation, Inc., January 15, 2002*. Pressure readings will continue to be monitored in the future to ensure proper system performance.

## 2.4 Water Quality Data

### 2.4.1 Sample Collection

Samples of the drinking water system influent and effluent were collected on August 15 and October 16, 2006 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 15 and October 16, 2006 samples are provided in **Appendix A**. All validation was performed by Data Validation Services, Incorporated of North Creek, New York. Validation reports are included in **Appendix C**.

### 2.4.2 VOC Analytical Results

The air stripper influent carbon tetrachloride concentrations were similar to those observed during previous reporting periods. Carbon tetrachloride was detected at concentrations of 24 µg/l and 38 µg/l in the air stripper influent samples collected during the August 2006 and October 2006 sampling events, respectively. Carbon tetrachloride was below the detection limit in the air stripper effluent sample collected on August 2006. Carbon tetrachloride was not dectected above the reported limit, but at an estimated concentration of 0.32 µg/l in the air stripper effluent sample collected on October 2006. The drinking water system influent and effluent sample results for carbon tetrachloride are summarized below:

| Analyte | Date Sampled | Influent (µg/l) | Effluent (µg/l) | Performance Standard (µg/l) |
|---|---|---|---|---|
| Carbon Tetrachloride | August 15, 2006 | 24 | < 1.0 | 5 |
| | October 16, 2006 | 38 | 0.32 J | 5 |

The air stripper influent TCE concentrations were similar to those observed during previous reporting periods. TCE was detected at concentrations of 25 µg/l and 27 µg/l in the air stripper influent samples collected during the August 2006 and October 2006 sampling events,

respectively. TCE was below the detection limit in the air stripper effluent sample collected on August 2006. TCE was not detected above the reported limit, but reported at an estimated concentration of 0.23 µg/l in the air stripper effluent sample collected on October 2006. The drinking water system influent and effluent sample results for TCE are summarized below:

| Analyte | Date Sampled | Influent (µg/l) | Effluent (µg/l) | Performance Standard (µg/l) |
|---|---|---|---|---|
| TCE | August 15, 2006 | 25 | < 1.0 | 5 |
| | October 16, 2006 | 27 | 0.23 J | 5 |

The air stripper influent chloroform concentrations are similar to the chloroform influent concentrations observed during the previous reporting period. Chloroform was detected at concentrations of 3.0 µg/l and 4 µg/l in the air stripper influent samples collected during the August 2006 and October 2006 sampling events, respectively. Chloroform was below detection limits in the air stripper effluent samples collected on August 2006 and October 2006. 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 15, 2006 | 3 | < 1.0 | 70 |
| | October 16, 2006 | 4 | < 1.0 | 70 |

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

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

## 3.1 Sample Collection

Recent modifications to the EWMS monitoring program have been specified in *Addendum No. 1, Operations and Maintenance Manual, Remedial Work Element II- Groundwater, Malta Rocket Fuel Area Site, General Electric Company, January 31, 2005* (Addendum No. 1). In accordance with the *Operations and Maintenance Manual for Remedial Work Element II - Ground Water, ERM Northeast, Inc., January 22, 1998,* (O&M-GW) and Addendum No. 1, unfiltered groundwater samples were collected on October 16 and 17, 2006 from the Early Warning Monitoring System (EWMS). In accordance with the *Five-Year Review Report, Malta Rocket Fuel Area Superfund site, United States Environmental Protection Agency (EPA), September 24, 2004* (Five Year Review Report) including a table titled *"Proposed Modifications to Groundwater and Surface Water Sampling Regimes at the Malta Rocket Fuel Area Site"* and a letter from GE to the USEPA dated October 26, 2004, EWMS samples were collected from monitoring wells DGC-3S, DGC-4S, 4D, 11D, 13D, 14D, M-24D, M-25D, M-27D, M-29D, M-33S, and M-33I. Surface water locations SW-A, SW-B, SW-D, SW-E, SW-F and SW-G were also sampled (**Figure 1**). Blind duplicate samples were collected from well 13D (DUP B) for chromium and hexavalent chromium and from well M-29D (DUP A) for volatile organic compounds. Trip blanks and matrix spikes were also analyzed.

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

Results of the October 2006 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 estimated concentrations of 17.1 µg/l, 1.7 µg/l (estimated) and 0.7 µg/l (estimated), respectively. The results were below the New York State Ground Water Standard (NYSGWS) of 50 µg/l.

One sample location or 13D had a hexavalent chromium detection of 14.2 µg/l. The NYSGWS for hexavalent chromium is 50 µg/l.

## *3.3 VOC Analytical Results*

Carbon tetrachloride was detected in monitoring wells M-24D, M-25D, M-27D, M-29D and 11D at concentrations of 11 µg/l, 71 µg/l, 12 µg/l, 33 µg/l and 12 µg/l, respectively. All other monitoring well sample locations were non-detect for carbon tetrachloride during the reporting period. Where detected carbon tetrachloride concentrations were comparable with historical sampling results.

Chloroform was detected in wells M-24D, M-25D, M-27D, M-29D and 11D at concentrations of 0.44 µg/l (estimated concentration), 7 µg/l, 0.76 (estimated concentration), 4 µg/l and 3 µg/l, respectively. The remaining sampled monitoring wells did not have any detectable concentrations for chloroform during this reporting period.

TCE was detected in monitoring wells M-25D, M-27D, M-29D and 11D at concentrations of 22 µg/l, 21 µg/l, 12 µg/l and 2 µg/l respectively. Trichlorofluoromethane was detected in monitoring well M-27D at a concentration of 1 µg/l. Detected concentrations for TCE and trichlorofluoromethane were comparable with historical sampling results. 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-F and SW-G during the October 2006 sampling event. Carbon tetrachloride was detected in surface water samples SW-B, SW-D

and SW-E at estimated concentrations of 0.36 µg/l, 0.30 µg/l and 0.74 µg/l, respectively. TCE was detected in sample SW-B at an estimated concentration of 0.25 µg/l. The estimated results from SW-B were qualified by the laboratory and confirmed by the third party data validator as being estimated because the observed concentrations were less than the method reporting limit. Chloroform was not detected in samples collected from the surface water sample locations.

## *3.4 Comparison of Observed VOC Concentrations to Simulation Results*

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

## *3.5 Groundwater Gauging*

A total of 42 on-site and perimeter monitoring wells were gauged to determine groundwater gradient across the site. During this exercise monitoring wells MW-2 and MW-4 were found open to the elements, unlocked, and the locks laying on the ground next to the wells. The on-site facility manager and the owners consultant were contacted regarding the open wells. Neither the on-site facility manager or the site owner were aware of the open wells and the reason they may have been left open. Shaw field personnel gauged these wells despite this observation and upon completion of these gauging of these wells, returned the gripper cap and well cover on these wells. To help prevent this issue from re-occurring, new well locks were installed on the monitoring wells within the monitoring network. Damaged and unlocked protective casings were also repaired and secured with new locks.

Recorded groundwater elevations were used to determine the groundwater gradient across the site and is visual represented in **Figures 6A** and **6B**.

# 4.0 INSTITUTIONAL CONTROLS

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

Shaw conducted semi-annual visual inspections of the environmental restriction zone during groundwater sampling activities and conducted annual environmental easement restriction interviews with property owner representatives during the October 2006 semi-annual reporting period.

## 4.1 Sampling and Survey Results

On October 16 and 17, 2006, as part of the semi-annual EWMS sampling program, personnel completed an inspection of site conditions in the environmental restriction zone (ERZ) 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.

Tree removal activities (logging) in the vicinity of the access roads and wooded paths leading to each of the monitoring wells and surface water locations was observed as well as tree removal and grading activities for new access roads to LFTCEDC property. Other than tree removal activities Shaw personnel did not observe any additional changes to the property conditions within the ERZ.

## 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 January 23, 2007.

- The Town of Malta was interviewed on February 7, 2007.
- Jon Kelley representing Saratoga Economic Development Corporation (owner of LFTCEDC) was interviewed on January 18, 2007.

Interview logs documenting the conversations with each of the property representatives are included in **Appendix E**. All three representatives stated that they were not aware of any new groundwater usage, or other actions, within the environmental restriction zone, that would impact any condition of the Environmental Restriction Easements and the Declaration of Restrictive Covenants. Although outside the scope and objective of property owner interviews, Jon Kelley noted that two unknown tanks containing rocket fuel were found at the site. The location of the tanks or other related documentation was not provided.

# 5.0 SUMMARY

## 5.1 Drinking Water

With the exception of short-term operational issues associated with recovery wells RW-1D 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 and as currently referred to, the Luther Forest Technology Campus. All of the effluent samples collected for performance monitoring and analyzed during the current period revealed concentrations below "treatment system performance standards".

## 5.2 EWMS

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

- Total chromium was detected at monitoring wells 13D, M-27D and surface water location SW-B. With the exception of the estimated results from well M-27D and surface water SW-B, each of the total chromium detections were below the NYSGWS of 50 µg/l.
- Hexavalent chromium was only detected at monitoring well location 13D and it was below the NYSGWS of 50 µg/l.
- Carbon tetrachloride was detected in monitoring wells M-24D, M-25D, M-27D, M-29D and 11D at concentrations of 11 µg/l, 71 µg/l, 12 µg/l, 33 µg/l and 12 µg/l, respectively. Carbon tetrachloride was also detected in surface water sample locations SW-B, SW-D and SW-E at estimated concentrations of 0.36 µg/l, 0.3 µg/l, and 0.74 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-24D, 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 historically observed.
- 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 7 µg/l, 4 µg/l and 3 µg/l, respectively and an estimated concentration of 0.44 µg/l and 0.76 µg/l at monitoring wells M-24D and M-27D, respectively. 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 11D, M-25D, M-27D, M-29D at concentrations of 2 µg/l, 22 µg/l, 21 µg/l, and 12 µg/l, respectively, and surface water location SW-B at estimated concentrations of 0.25 µg/l. TCE concentrations observed from this monitoring event were similar or lower than concentrations historically observed. Trichlorofluoromethane was detected at monitoring well M-27D at 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**, carbon tetrachloride and TCE concentrations detected during this monitoring period are lower than the simulated concentration presented by the model.

## *5.3 Institutional Controls*

Representatives of LFTCEDC, NYSERDA, and the Town of Malta did not note any activities or conditions in the area of the site that would impact the Environmental Restriction Zone as controlled under the Environmental Restriction Easement and Declaration of Restrictive Covenants.

# *TABLES*

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

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

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

| Equipment Name | Item | Action | Frequency | Comments |
|---|---|---|---|---|
| Mist Eliminator | Mesh screen | Clean or replace | Annually | Adjust frequency depending on operating experience |
| Settling Tank | | Inspect for siltation | Monthly | Adjust frequency depending on operating experience |
| Settling Tank High Level Float Switch | | Check operation | Monthly | Replace float switch every 5 years |
| 100K Gallon Reservoir | | Inspect for siltation, debris, etc. | Annually | Adjust frequency depending on operating experience |
| Level Sensor | Probe | Manually check start-up/shutdown. Check probe float for free range of motion. Remove and inspect for buildup of minerals if resistance is detected. | Monthly | Adjust frequency depending on operating experience |
| Misc. Guys, Hardware etc. | | Inspect | Annually | Adjust frequency depending on operating experience |
| System Interlocks | Settling Tank High Level<br>Blower Low Pressure<br>Blower Low Amps<br>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 |
|---|---|---|---|
| 6/20/06 | Marc Flanagan | OK | Monthly O&M visit. System interlock testing performed – all OK. |
| 7/17/06 | Marc Flanagan | Arrival - Not OK<br>Departure - OK | Pump in RW-1 not running. Replace one blown fuse and pump is operational again. System interlock testing performed – all OK. |
| 8/15/06 | Marc Flanagan | Arrival - Not OK<br>Departure - OK | Pump in RW-1 not running. Replace two blown fuses and pump is operational again. System interlock testing performed – all OK. |
| 9/20/06 | Brian Neumann | OK | Monthly O&M visit. System interlock testing performed – all OK.. |
| 10/16/06 | Marc Flanagan & Mike Puglisi | OK | Monthly O&M visit and system sampling. Semi-annual groundwater sampling and gauging. System interlock testing performed – all OK. |
| 11/15/06 | Marc Flanagan | OK | Monthly O&M visit. System interlock testing performed – all OK. |
| 12/29/06 | Marc Flanagan | OK | Monthly O&M visit. System interlock testing performed – all OK. |

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

| 1 | 2 | 3 | | | | | 4 | | | | | 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DATE | TIME | WATER FLOW --LINE 1D | | | | | WATER FLOW --LINE 2D | | | | | PROBLEMS OR COMMENTS |
| | | 1D LINE FLOW METER RDG(GPM) | 1D LINE TOTALIZER RDG(GAL) | ELAPSED TIME (DAYS) | TOTAL FLOW THIS PERIOD (GAL) | AVG FLOW THIS PERIOD (GPM) | 2D LINE FLOW METER RDG(GPM) | 2D LINE TOTALIZER RDG(GAL) | ELAPSED TIME (DAYS) | TOTAL FLOW THIS PERIOD (GAL) | AVG FLOW THIS PERIOD (GPM) | |
| 7/17/2006 | 9:00 | 3.0 | 4,504,200 | 27 | 1,100 | 0.03 | 6.0 | 5,706,400 | 27 | 47,700 | 1.23 | |
| 8/15/2006 | 8:10 | 4.0 | 4,511,000 | 29 | 6,800 | 0.16 | 7.0 | 5,753,300 | 29 | 46,900 | 1.12 | |
| 9/20/2006 | 9:30 | 4.2 | 4,535,000 | 36 | 24,000 | 0.46 | 6.6 | 5,792,100 | 36 | 38,800 | 0.75 | |
| 10/16/2006 | 8:40 | 5.0 | 4,552,700 | 26 | 17,700 | 0.47 | 7.0 | 5,819,000 | 26 | 26,900 | 0.72 | |
| 11/15/2006 | 9:30 | 4.0 | 4,571,600 | 30 | 18,900 | 0.44 | 7.0 | 5,847,800 | 30 | 28,800 | 0.67 | |
| 12/29/2006 | 9:15 | 4.0 | 4,597,100 | 74 | 44,400 | 0.42 | 7.0 | 5,888,400 | 74 | 69,400 | 0.65 | |
| Summary | | | | 222 | 112,900 | 0.3532 | | | 222 | 258,500 | 0.8086 | |

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 |
| 7/17/2006 | 9:00 | 12.75 | Yes | No | Yes-2.6 | Monthly visit. |
| 8/15/2006 | 8:10 | 12-13 | Yes | Yes | Yes-2.7 | Monthly visit with performance sampling. |
| 9/20/2006 | 9:30 | 12-13 | Yes | No | Yes-2.75 | Monthly visit. |
| 10/16/2006 | 8:40 | 12 - 13 | Yes | Yes | Yes-2.80 | Monthly visit;biological growth on standpipe is blocking water level. |
| 11/15/2006 | 9:30 | 12 - 13 | Yes | No | Yes-2.80 | Monthly visit. |
| 12/29/2006 | 9:15 | 12-13 | Yes | No | Yes-3.00 | 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$^{o}$C | 14 days | 3 - 40 ml glass vials with teflon septa and plastic screw caps |
| Effluent | 1 per quarter | Water | CLP OLC VOCs | USEPA CLP OLCO2 | Hcl, Cool, <4$^{o}$C | 14 days | 3 - 40 ml glass vials with teflon septa and plastic screw caps |

**Notes:**

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

# TABLE 5
# OCTOBER 2006 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 | 5UJ | 5UJ | 5UJ | 5UJ | NA | NA | 5UJ | 5UJ | 25UJ | 5UJ |
| Carbon Disulfide | None* | 1 U | 1 U | 1 U | 1U | NA | NA | 1 U | 1 U | 5 U | 1 U |
| Carbon Tetrachloride | 5 | 1 U | 1 U | 1 U | 12.0 | NA | NA | 1 U | 11.0 | 71 .0 D | 12 |
| Chloroform | 7 | 1 U | 1 U | 1 U | 3.0 | NA | NA | 1 U | 0.44 J | 7.0 D | 0.76J |
| 2-Butanone | 5 | 5UJ | 5UJ | 5UJ | 5UJ | NA | NA | 5UJ | 5UJ | 25UJ | 5UJ |
| Trichloroethene | 5 | 1 U | 1 U | 1 U | 2.0 | NA | NA | 1 U | 1 U | 22.0 D | 21 |
| Trichlorofluoromethane | 5* | 1 U | 1 U | 1 U | 1 U | NA | NA | 1 U | 1 U | 5 U | 1.0 |
| 1,1,1-Trichloroethane | 5 | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,1-Diclethene | NP | 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 | 17.1 | 15.9 | NA | NA | NA | 1.7 BJ |
| Hexavalent Chromium | 50* | NA | NA | NA | NA | 14.2 | 10 U | NA | NA | NA | 10 U |
| Field Parameters | | | | | | | | | | | |
| pH | -- | 6.17 | 7.66 | NM | 7.66 | 7.85 | -- | 7.81 | 7.9 | NM | 7.77 |
| Temperature (celsius) | -- | 10.56 | 10.11 | NM | 9.34 | 9.55 | -- | 8.57 | 8.82 | NM | 9.16 |
| Conductivity (umhos/cm) | -- | 0.163 | 0.512 | NM | 0.679 | 0.503 | -- | 0.516 | 0.47 | NM | 0.536 |
| Dissolved Oxygen | -- | 6.21 | 6.76 | NM | 9.31 | 0.00 | -- | 13.39 | 11.50 | NM | 8.40 |
| Turbidity (NTUs) | -- | 84.8 | 240 | NM | 23.2 | 150 | -- | 29.30 | 8.20 | NM | 13.50 |
| Depth To Water (feet) | -- | 13.90 | 6.05 | 37.16 | 28.9 | 34.54 | -- | 40.96 | 30.45 | 28.5 | 36.80 |
| Ground Water Elevation (feet) | -- | 191.90 | 199.75 | 290.39 | 290.78 | 294.73 | -- | 300.41 | 290.12 | 285.96 | 267.47 |

Notes:

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

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

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

# TABLE 5
# OCTOBER 2006 WATER QUALITY ANALYTICAL RESULTS
# SEMI-ANNUAL SAMPLING

| Compound | Remedial Action Objective | M-29D | DUPC (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 | 10UJ | 5 UJ | 5UJ | 5UJ | 5 UJ | 5 UJ | 5UJ | 5UJ | 2.0 J | 5UJ | 5UJ | 5UJ |
| 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 | 33.0 D | 31 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.36J | 0.30 J | 0.74 J | 1 U | 1 U |
| Chloroform | 7 | 4.0 D | 4 | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 2-Butanone | 5 | 10UJ | 5 UJ | 5UJ | 5UJ | 5 UJ | 5 UJ | 5UJ | 5UJ | 5UJ | 5UJ | 5UJ | 5UJ |
| Trichloroethene | 5 | 12.0 D | 14 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.25 J | 1 U | 1 U | 1 U | 1 U |
| Trichlorofluoromethane | 50* | 2 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,1,1-Trichloroethane | 5 | 4.0 D | 4.0 | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,1-Diclethene | NP | 2 U | 0.21 J | 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 | 0.70 UJ | NA | NA | NA | NA |
| Hexavalent Chromium | 50* | NA | NA | NA | NA | NA | NA | NA | 10 U | NA | NA | NA | NA |
| Field Parameters | | | | | | | | | | | | | |
| pH | -- | 7.82 | -- | 8.46 | 8.46 | -- | -- | 8.12 | 8.26 | NM | NM | NM | 8.36 |
| Temperature (celsius) | -- | 9.47 | -- | 8.82 | 8.51 | -- | -- | 9.60 | 10.26 | NM | NM | NM | 8.12 |
| Conductivity (umhos/cm) | -- | 0.748 | -- | 0.256 | 0.451 | -- | -- | 0.405 | 0.479 | NM | NM | NM | 0.337 |
| Dissolved Oxygen | -- | 10.17 | -- | 8.73 | 10.47 | -- | -- | 11.66 | 11.91 | NM | NM | NM | 11.67 |
| Turbidity (NTUs) | -- | 29.2 | -- | 10.2 | NM | -- | -- | 80 | 104 | NM | NM | NM | 10.30 |
| Depth To Water (feet) | -- | 43.50 | -- | 12.91 | 28.88 | -- | -- | NA | NA | NA | NA | NA | NA |
| Ground Water Elevation (feet) | -- | 291.16 | -- | 291.36 | 274.81 | -- | -- | NA | NA | NA | NA | NA | NA |

Notes:

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

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

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

# TABLE 6
# SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
# MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
# JUNE 1987 - OCTOBER 2006
# SEMI-ANNUAL SAMPLING

| Wells / Compounds | Remedial Action Objective | 6/29-7/1/1987 | 7/31/87 | 11/5/87 | 1/19-1/20/1988 | 4/18-4/19/1988 | 7/20-7/21/1988 | 10/11-10/12/88 | 1/19-1/20/89 | 4/10/89 | 7/12/89 | 8/15/1989 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DGC-3S** | | | | | | | | | | | | |
| 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 |
| 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* | 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.

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

** = Filtered Sample.

See RI report for additional data.

# TABLE 6
# SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
# MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
# JUNE 1987 - OCTOBER 2006
# 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 | 62.2H/70.3Hdp | 16.2/ND*, 14.6/ND*dp | 25.2/ND* | ND |
| Hexavalent Chromium | 50* | no data | NA | NA | NA | NA | NA | NA | NA | ND/4*/ND dp | NA | NA |
| **DGC-4S** | | | | | | | | | | | | |
| Carbon Disulfide | None* | - - | - - | - - | - - | ND/0.5Vdp | ND | ND | ND | ND | ND | ND/ND dp |
| Chromium | 50* | - - | - - | - - | - - | NA | NA | 15.9 | 11.9 E | ND/ND* | ND/ND* | ND/ND dp |
| **13S** | | | | | | | | | | | | |
| Benzene | 0.7* | NA | NA | NA | NA | 2 | 0.7/0.6 Jdp | 1 | ND | ND | ND | ND |
| Carbon Disulfide | None* | NA | NA | NA | NA | 60 D | 0.6 | ND | ND | ND | ND | ND |
| Carbon Tetrachloride | 5 | NA | 18/16 dp | 6.4 | 4.4 | 8 | 24 J/24 Jdp | 8 | 12 | 9 | 6 J | 9 |
| Chloroform | 7 | NA | ND | ND | ND | ND | 0.8/0.9 Jdp | ND | 0.4 J | 0.3 J | ND | ND |
| Trichloroethene | 5 | NA | ND | ND | ND | ND | ND | 0.4 J | 0.9 | 0.6 | ND | 0.6 |
| Trichlorofluoromethane | 5* | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.5 |
| Chromium | 50* | NA | NA | NA | NA | 336 V | NA | 269/261** | 316 E/562 E** | 282/498** | 504/512** | 179/172** |
| Hexavalent Chromium | 50* | NA | NA | NA | NA | NA | NA | 280 | 486/302** | 260/310** | NA | 287 |

Notes:

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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 2006
# SEMI-ANNUAL SAMPLING

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

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# TABLE 6
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# MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
# JUNE 1987 - OCTOBER 2006
# SEMI-ANNUAL SAMPLING

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

**Notes:**

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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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** = Filtered Sample.

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# TABLE 6
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# MONITORING WELLS DGC-3S, DGC-4S, 13S, 13D
# JUNE 1987 - OCTOBER 2006
# 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 | 5/23/2006 | 10/2006 |
| Benzene | 0.7* | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Carbon Disulfide | None* | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Aluminum | 100* | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | 25* | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium | 50* | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexavalent Chromium | 50* | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 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 | NA | NA | NA | NA | NA | NS | NS | NS | NS |
| Carbon Disulfide | None* | NA | NA | NA | NA | NA | NA | NA | NS | NS | NS | NS |
| Carbon Tetrachloride | 5 | NA | NA | NA | NA | NA | NA | NA | NS | NS | NS | NS |
| Chloroform | 7 | NA | NA | NA | NA | NA | NA | NA | NS | NS | NS | NS |
| Trichloroethene | 5 | NA | NA | NA | NA | NA | NA | NA | NS | NS | NS | NS |
| Trichlorofluoromethane | 5* | NA | NA | NA | NA | NA | NA | NA | NS | NS | NS | NS |
| Chromium | 50* | 43.3 | 13.4 | 34.8 | 52.2 | 49.4 | 20.1 | NA | NS | NS | NS | NS |
| Hexavalent Chromium | 50* | 43.6 J | 18 | 3.59 | 45 | 51.5 | 11 | 11.2 | NS | NS | NS | NS |

**Notes:**

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

Only detected compounds are listed.

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ND = Not detected.

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D = Concentration determined from a sample dilution.

J = Estimated concentration.

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# TABLE 7
# SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
# MONITORING WELLS M-27S, M-27D, M-33S, M-33I
# JUNE 1992 - OCTOBER 2006
# 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:**

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.

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

** = Filtered Sample.

# TABLE 7
# SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
# MONITORING WELLS M-27S, M-27D, M-33S, M-33I
# JUNE 1992 - OCTOBER 2006
# SEMI-ANNUAL SAMPLING

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

**Notes:**

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

J = Estimated concentration.

dp = Duplicate sample.

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

D = Indentifies compound analyzed at a secondary dilution factor.

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

** = Filtered Sample.

# TABLE 8
## SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
## MONITORING WELLS 4d, 11d, m-24d, m-25d, m-29d, 13d
## JUNE 1992 - OCTOBER 2006
## SEMI-ANNUAL SAMPLING

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

**Notes:**

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not Sampled.

dp = Duplicate sample.

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

D = Concentration determined from a sample dilution.

E = Estimated concentration , due to interference.

J = Estimated concentration.

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

R = Rejected during data validation.

* Based on NYSDEC Final Combined Regulatory Impact and Environmental Impact Statement (Title 6, Chapter X, Parts 700-706, 1988), identified for comparison purposes only.

** = Filtered Sample.

See RI report for additional data.

# TABLE 8
## SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
## MONITORING WELLS 4d, 11d, m-24d, m-25d, m-29d, 13d
## JUNE 1992 - OCTOBER 2006
## SEMI-ANNUAL SAMPLING

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

**Notes:**

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

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NA = Not analyzed

ND = Not detected.

NS = Not Sampled.

dp = Duplicate sample.

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

D = Concentration determined from a sample dilution.

E = Estimated concentration : due to interference.

J = Estimated concentration.

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

R = Rejected during data validation.

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

** = Filtered Sample.

See RI report for additional data.

**TABLE 8**
**SUMMARY OF WATER QUALITY ANALYTICAL RESULTS**
**MONITORING WELLS 4d, 11d, m-24d, m-25d, m-29d, 13d**
**JUNE 1992 - OCTOBER 2006**
**SEMI-ANNUAL SAMPLING**

**Surface Water Points /**

| Compounds | Cleanup | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SW-A** | **Standard** | **6/2/1997** | **10/14/1997** | **5/28/1998** | **10/29/1998** | **5/11/1999** | **10/26/1999** | **5/22/2000** | **10/24/2000** | **5/15/2001** | **10/23/2001** | **5/29/2002** | **10/29/2002** | **4/9/2003** | **10/9/2003** | **5/25/2004** | **11/2004** | **5/24/2005** | **10/2005** | **10/2006** |
| Carbon Disulfide | None* | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND J | ND | ND | ND | ND | NA | ND | ND |
| Aluminum | 100* | no data | no data | no data | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | 25* | no data | no data | no data | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium | 50* | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **SW-B** | | | | | | | | | | | | | | | | | | | | |
| Carbon Disulfide | None* | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND |
| Carbon Tetrachloride | 5 | ND | ND | 0.3J | ND | ND | ND | ND | 0.54 J | ND | ND | ND | 0.18 J | 0.34 J | 0.27 J | 0.38 J | 0.43 J | NA | 0.5 J | 0.36 J |
| Chloroform | 7 | ND | ND | 0.1J | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.20 J | ND | NA | ND | ND |
| Trichloroethene | 5 | ND | ND | 0.2J | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.20 J | 0.19 J | 0.28 J | 0.27 J | NA | 0.3 J | 0.25 J |
| Trichlorofluoromethane | 5* | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND |
| Aluminum | 100* | no data | no data | no data | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | 25* | no data | no data | no data | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium | 50* | NA | NA | ND | 3.1 BJ | 0.44 B | ND | 0.9 B | 0.75 B | ND | ND | 1.5 B | 0.93 B | 1.0 B | 0.75 B | 2.1 B | 0.94 B | NA | 0.5 B | 0.70 BJ |
| **SW-D** | | | | | | | | | | | | | | | | | | | | |
| Acetone | 5* | no data | no data | 45 J | R | ND | ND | ND | ND | ND | ND | ND | 3.1 J | ND | ND | ND | ND | NA | ND | ND |
| Bromochloromethane | 5* | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND |
| Carbon Disulfide | None* | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND |
| Carbon Tetrachloride | 5 | no data | no data | ND | 0.2 J | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | 0.30 J |
| 1,2-Dichloroethane | 0.6* | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND |
| Methylene Chloride | 5* | no data | no data | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND |
| 1,2,3-Trichlorobenzene | 5* | no data | no data | 0.1 J | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | ND | ND |
| Aluminum | 100* | no data | no data | no data | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | 25* | no data | no data | no data | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium | 50* | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **SW-E (See O&M Manual Addendum No. 1)** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 5 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | 1.0 | NA | 0.6 J | 0.74 J |
| Trichloroethene | 5 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND | NA | ND | ND |
| **SW-F (See O&M Manual Addendum No. 1)** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 5 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND | NA | ND | ND |
| Trichloroethene | 5 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND | NA | ND | ND |
| **SW-G (See O&M Manual Addendum No. 1)** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 5 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND | NA | ND | ND |
| Trichloroethene | 5 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | ND | NA | ND | ND |

**Notes:**

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

Only detected compounds are listed.

NA = Not analyzed.

ND = Not detected.

NS = Not Sampled.

dp = Duplicate sample.

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

D = Concentration determined from a sample dilution.

E = Estimated concentration : due to interference

J = Estimated concentration.

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

R = Rejected during data validation.

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

** = Filtered Sample.

See RI report for additional data.

# TABLE 9
# SUMMARY OF WATER QUALITY ANALYTICAL RESULTS
# MONITORING WELLS 4D, 11D, M-24D, M-25D, M-29D, 13D
# JUNE 1992 - OCTOBER 2006
# SEMI-ANNUAL SAMPLING

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

**Notes:**

Units are µg/l (ppb) unless otherwise stated.
Only detected compounds are listed.
See Remedial Investigation report for additional da
NA = Not analyzed.
ND = Not detected.
NS = Not sampled.
B = The reported value is less than the CRQL/CRI
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*

DRAWING NUMBER 810066D5

APPROVED BY

CHECKED BY

DRAWN BY S. SHKOLNIK 02/08/07

OFFICE ALBANY, NY

ROUTE 9P

COLD SPRINGS WELLS

COLD SPRINGS ROAD

CRAMER ROAD

SW-E

SW-F

SW-G

7

8

6a

6b

M-33S/33I

LUTHER FOREST
RESIDENTIAL
DEVELOPMENT

M-26S/26D

M-11S/11D

M-24S/24D

M-15

M-31S/31D

M-34

M-28S/28D

MW-4

4S/4D

M-18

M-30

M-1/14D

M-29S/29D

M-17

M-32

MW-3

2S

M-19

RW-1D

M-16

M-23

MW-2

M-35S/35I

M-25S/25D

3S/3D

10S/10D

13S/13D

RW-2D

PLAINS ROAD

M-22

M-21

M-20

1a

1b

SW-D

M-27S/27D

2b

2c

SW-B

SW-A

DGC-3S

DGC-4S

PW-4

PW-3

PW-2

PW-1

PW-6

KNAPP ROAD

N

LEGEND

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

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

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

APPROXIMATE SCALE
0 700 1400 2100 FEET

DRAWING NOT TO SCALE

Shaw Environmental, Inc.

MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

FIGURE 1
SITE LOCATION MAP

L:\project\MRFA\810066D5.dwg
Plot Date/Time: 02/08/07 02:11pm
Format Revised: 11/23/99
Image:
Xref:

**FIGURE 2**
**WELL M-27D CARBON TETRACHLORIDE CONCENTRATIONS**

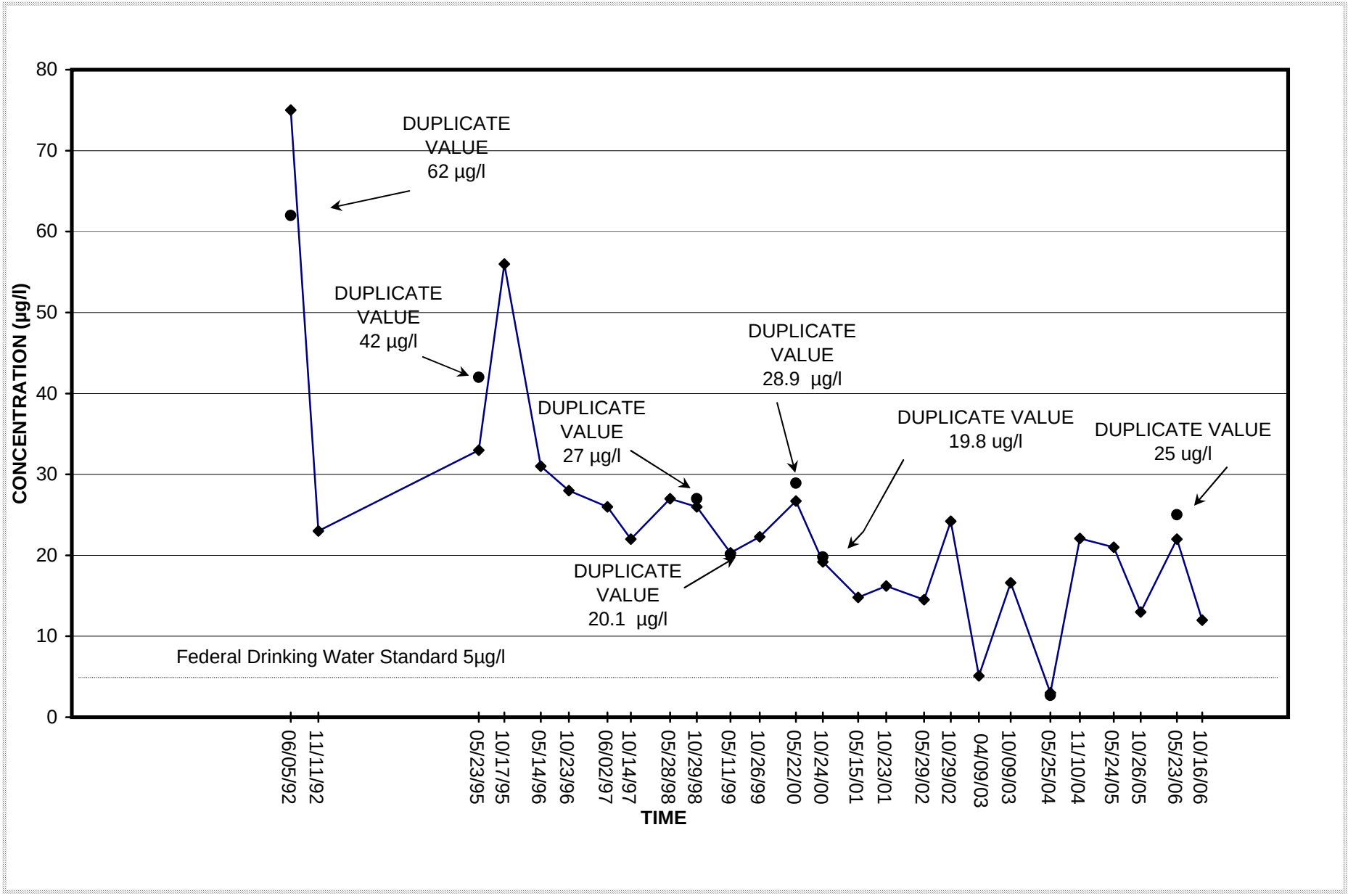


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**FIGURE 3**
**SIMULATED VERSUS OBSERVED (OCTOBER 2006)**
**CARBON TETRACHLORIDE CONCENTRATIONS**
**AT WELL M-27D**

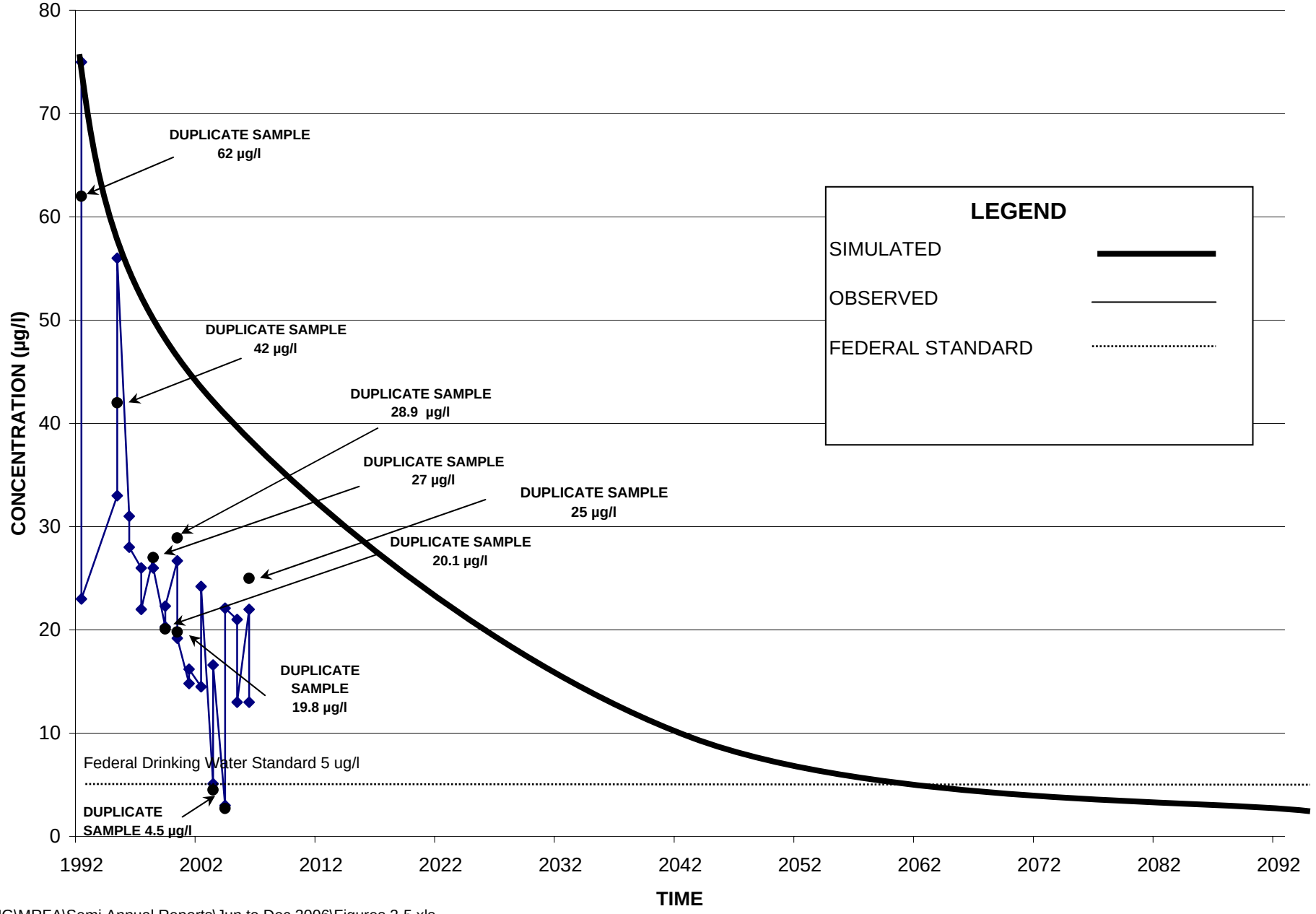


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**FIGURE 4**
**SIMULATED VERSUS OBSERVED (OCTOBER 2006)**
**TRICHLOROETHENE CONCENTRATIONS**
**AT WELL M-33S**

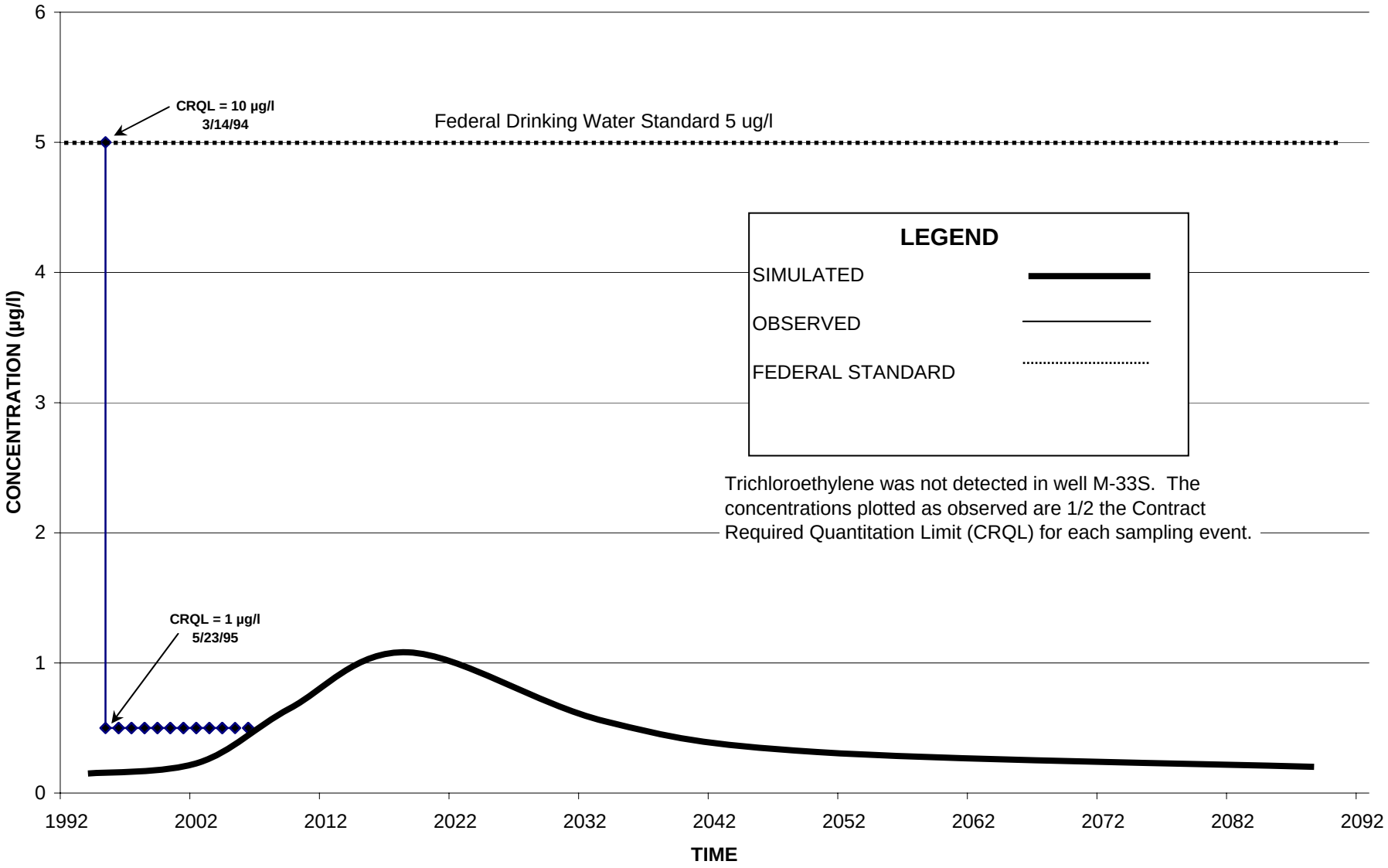


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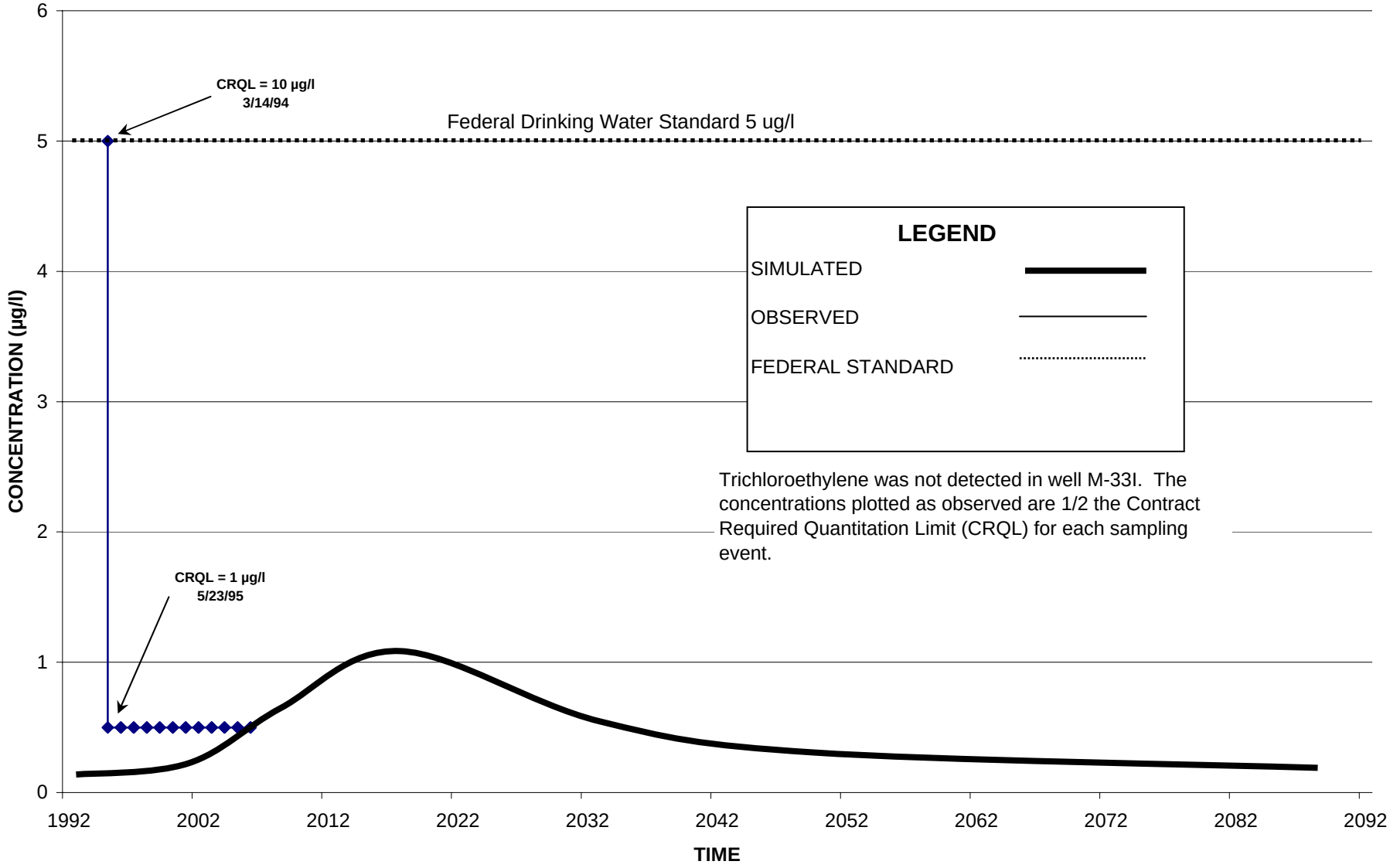
**FIGURE 5**
**SIMULATED VERSUS OBSERVED (OCTOBER 2006)**
**TRICHLOROETHENE CONCENTRATIONS**
**AT WELL M-33I**

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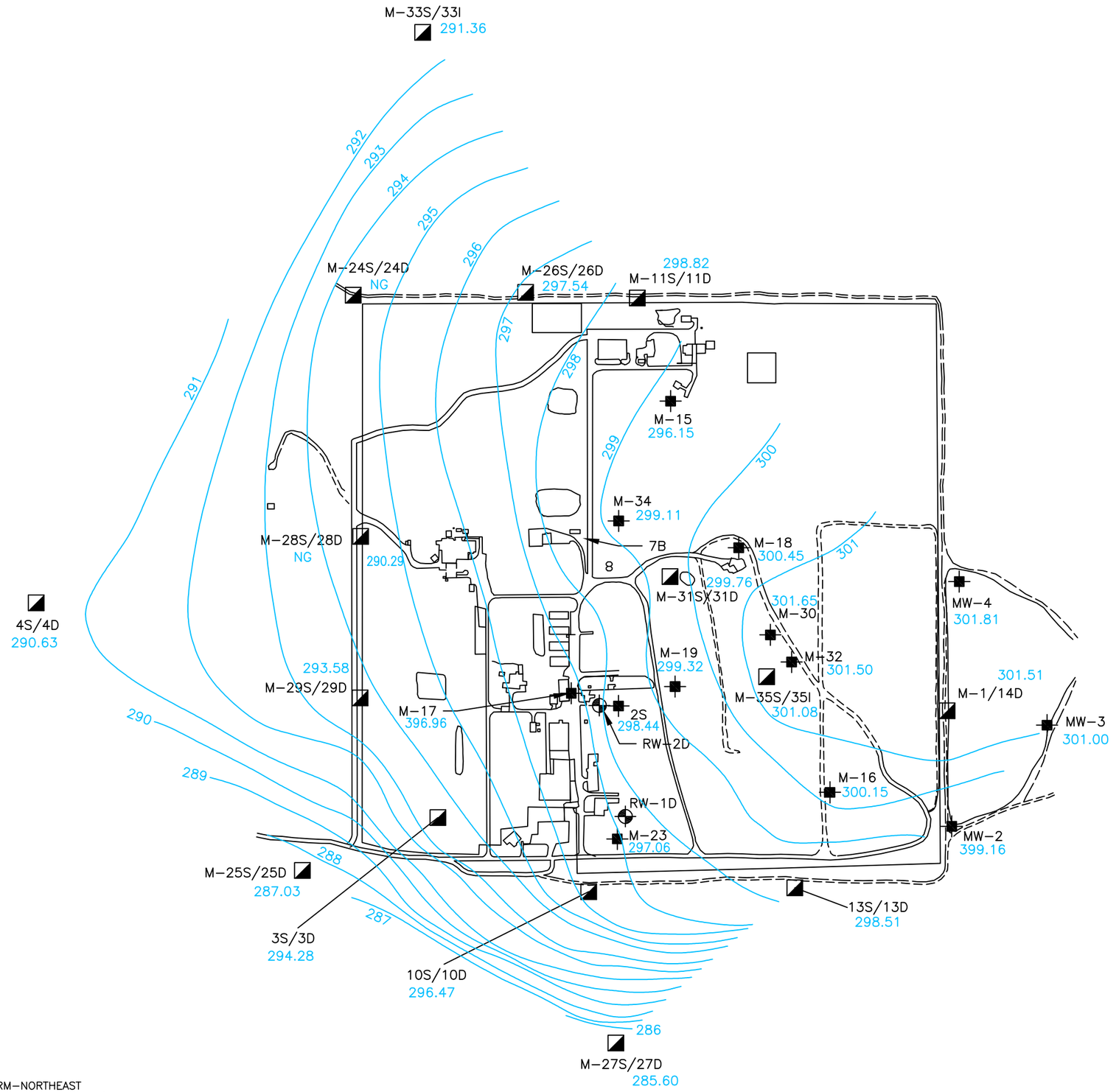


LEGEND:

- RECOVERY WELL
- WELL PAIR LOCATION
- SINGLE WELL LOCATION
- GROUNDWATER CONTOUR LINE (DASHED WHERE INFERRED)
- 301.81 GROUNDWATER ELEVATION IN FEET

NOTES:

1) LOCATIONS OF RW-1D AND RW-2D ARE APPROXIMATE.
2) M-28 NOT USED FOR CONTOURING.

APPROXIMATE SCALE

0 500 1000 FEET

REFERENCE:

BASE MAP SOURCE: ERM-NORTHEAST
ENVIRONMENTAL RESOURCES MANAGEMENT

Shaw Environmental, Inc.

MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

FIGURE 6A
SHALLOW GROUNDWATER ELEVATION CONTOUR MAP
OCTOBER 2006

| DRAWING NUMBER | APPROVED BY | CHECKED BY | DRAWN BY | OFFICE |
|---|---|---|---|---|
| 810066B12 | | | S. SHKOLNIK 02/08/07 | ALBANY, NY |

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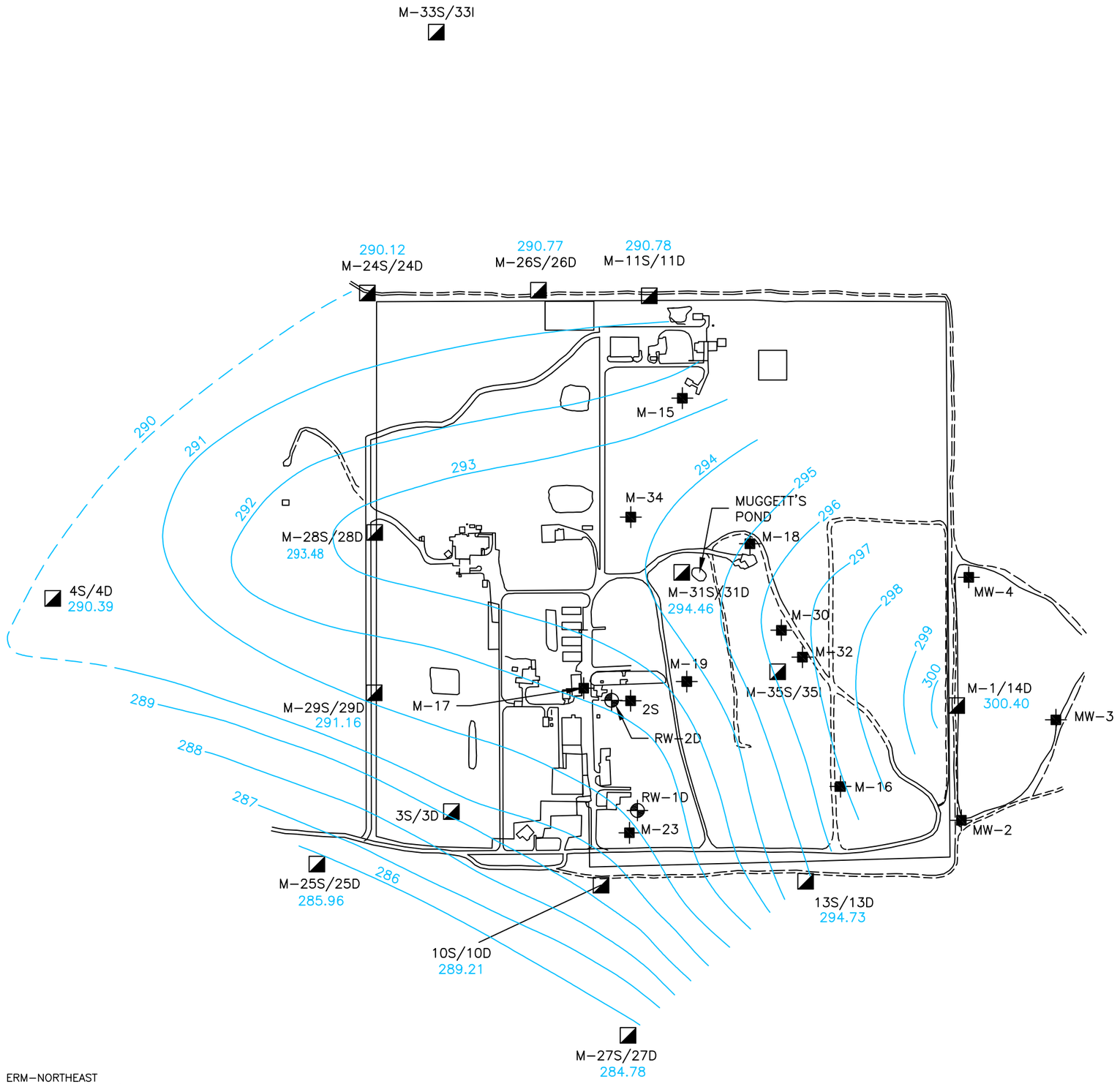
Format Revised: 12/15/99
Image: .
Xref: .




LEGEND:

- RECOVERY WELL
- WELL PAIR LOCATION
- SINGLE WELL LOCATION
- GROUNDWATER CONTOUR LINE (DASHED WHERE INFERRED)
- 290.78 GROUNDWATER ELEVATION IN FEET

NOTE:

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

APPROXIMATE SCALE

0 500 1000 FEET

REFERENCE:

BASE MAP SOURCE: ERM-NORTHEAST
ENVIRONMENTAL RESOURCES MANAGEMENT

Shaw Environmental, Inc.

MALTA ROCKET FUEL AREA SITE
MALTA, NEW YORK

FIGURE 6B
DEEP GROUNDWATER ELEVATION
CONTOUR MAP
OCTOBER 2006

| DRAWING NUMBER | APPROVED BY | CHECKED BY | DRAWN BY | OFFICE |
|---|---|---|---|---|
| 810066B13 | | | S. SHKOLNIK 02-10-07 | ALBANY, NY |

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Format Revised: 12/15/99
Image: .
Xref: .

# *APPENDIX A*

# *LABORATORY DATA, INFLUENT/EFFLUENT WATER SAMPLES*

## *AUGUST 15, 2006*
## *AND*
## *OCTOBER 16, 2006*

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

Columbia Analytical Services INC.
An Employee - Owned Company

September 14, 2006

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

Re: GE MRFA Project #810066
Submission # R2633204

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of four samples were received by our laboratory on August 16, 2006.

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

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

Thank you for your continued use of our services.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Janice M. Jaeger
Project Chemist

enc.

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

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

Columbia Analytical Services inc.

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

THIS IS AN ANALYTICAL TEST REPORT FOR:

| | |
|---|---|
| Client | : Shaw Environmental |
| Project Reference | : GE MRFA PROJECT #810066 |
| Lab Submission # | : R2633204 |
| Project Manager | : Janice Jaeger |
| Reported | : 09/14/06 |

Report Contains a total of 35 pages



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

## CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2633204

Shaw samples were sampled on 08/15/06 and received at CAS on 08/16/06 in good condition.

## VOLATILE ORGANICS

Four water samples and one cooler blank were analyzed for a site specific list of Volatiles by method OLC2.1.

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on MRFA Influent as requested. All MS/MSD recoveries were within limits. All Reference spike recoveries were within limits. All RPD's were within limits except Carbon Tetrachloride and has been flagged with an "*".

Various compounds for MRFA InfluentMS and MRFA InfluentMSD have been flagged with an "E" as being outside the calibration range of the instrument.

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

All samples were analyzed within recommended holding times.

No other analytical or QC problems were encountered.

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

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

| | | | |
|---|---|---|---|
| SDG #: | MRFA DUP | BATCH COMPLETE: __yes_____ | DATE REVISED: |
| SUBMISSION | R2633204 | DISKETTE REQUESTED: Y_X__ N____ | DATE DUE: 9/13/06 |
| CLIENT: | Shaw Environmental | DATE: 08/16/06 | PROTOCOL: CLP |
| CLIENT REP: | Janice Jaeger | CUSTODY SEAL: PRESENT/ABSENT: | SHIPPING No.: |
| PROJECT: | GE MRFA PROJECT #810066 | CHAIN OF CUSTODY: PRESENT/ABSENT: | |

| CAS JOB # | CLIENT/EPA ID | MATRIX | REQUESTED PARAMETERS | DATE SAMPLED | DATE RECEIVED | pH (SOLIDS) | % SOLIDS | REMARKS AMPLE CONDITION |
|---|---|---|---|---|---|---|---|---|
| 930080 | MRFA DUP | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 9300081QC | MRFA INFLUENT | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 930082 | MRFA EFFLUENT | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 930083 | TRIP BLANK | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 930084 | COOLER BLANK | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |


| | | | |
|---|---|---|---|
| SDG #: | MRFA DUP | BATCH COMPLETE: __yes_____ | DATE REVISED: |
| SUBMISSION | R2633204 | DISKETTE REQUESTED: Y_X__ N____ | DATE DUE: 9/13/06 |

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 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
West Virginia ID # 292

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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

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

PAGE 1 OF 1

SR #

CAS Contact

| | |
|---|---|
| Project Name: GE MRFA | Project Number: 810066 |
| Project Manager: Brian Neumann | Report CC: Steve Meier, Judy Harry |
| Company/Address: Shaw Environmental, Inc<br>13 British American Blvd<br>Latham, NY 12110 | |
| Phone #: (518) 783-1996 | FAX#: (518) 783-8397 |
| Sampler's Signature: | Sampler's Printed Name: Marc Flanagan |

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1

| CLIENT SAMPLE ID | FOR OFFICE USE ONLY LAB ID | SAMPLING DATE | SAMPLING TIME | MATRIX | NUMBER OF CONTAINERS | GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP | GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP | GC VOA's ☐ 8021 ☐ 601/602 ☐ CLP | PESTICIDES ☐ 8081 ☐ 608 ☐ CLP | PCB's ☐ 8082 ☐ 608 ☐ CLP | METALS, TOTAL (List in comments below) | METALS, DISSOLVED (List in comments below) | REMARKS/ ALTERNATE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MRFA Dup A | | 8/15/06 | - | GW | 3 | | | X | | | | | 930080 |
| MRFA Influent | | | 855 | | | | | | | | | | 930081 |
| MRFA Influent MS | | | 857 | | | | | | | | | | |
| MRFA Influent MSD | | | 900 | | | | | | | | | | |
| MRFA Effluent | | | 905 | | | | | | | | | | 930082 |
| Trip Blank | | | - | | | | | | | | | | 930083 |

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

SPECIAL INSTRUCTIONS/COMMENTS
**Metals**

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO: GE CEP
Albany, NY
R 252850 4
SUBMISSION #: R263300 1

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: Marc Flanagan | Printed Name: Heather Lavegin | Printed Name | Printed Name | Printed Name | Printed Name |
| Firm: Shaw | Firm: CAS | Firm | Firm | Firm | Firm |
| Date/Time: 8/15/06 1200 | Date/Time: 8/16/06 950 | Date/Time | Date/Time | Date/Time | Date/Time |

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

SCOC-1102-08

## Cooler Receipt And Preservation Check Form

Project/Client Shell Submission Number R26-33204

Cooler received on 8/16/16 by: DA COURIER: CAS (UPS) FEDEX VELOCITY CLIENT

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

Date/Time Temperatures Taken: 8/16/16 1010

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

**If out of Temperature, Client Approval to Run Samples** _____

PC Secondary Review: [illegible] 8/16/16

Cooler Breakdown: Date: 8/16/16 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: _____

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

PC Secondary Review: [illegible] 8/16/16

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**MRFA DUP**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930080 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9008.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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 | 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

**MRFA DUP**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930080 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9008.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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.

**MRFA DUP**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930080 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9008.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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

**MRFA INFLUENT**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: _____ SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930081 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9009.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. _____ Date Analyzed: 8/23/06

GC Column: CA-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 | 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 | 24 | |
| 71-43-2 | Benzene | 1 | U |
| 79-01-6 | Trichloroethene | 25 | |
| 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

**MRFA INFLUENT**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930081 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9009.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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.

**MRFA INFLUENT**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: _____ SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930081 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9009.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. _____ Date Analyzed: 8/23/06

GC Column: CA-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

**MRFA EFFLUENT**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: _____ SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930082 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9006.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. _____ Date Analyzed: 8/23/06

GC Column: CA-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 | 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

**MRFA EFFLUENT**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: _____ SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930082 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9006.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. _____ Date Analyzed: 8/23/06

GC Column: CA-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.

**MRFA EFFLUENT**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930082 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9006.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930083 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9007.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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 | 2 | J J |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 78-93-3 | 2-Butanone | 5 | U 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.: R6-33204 SAS No.: _____ SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930083 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9007.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. _____ Date Analyzed: 8/23/06

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**TRIP BLANK**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930083 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9007.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930084 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9014.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**COOLER BLANK**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930084 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9014.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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.

**COOLER BLANK**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: _____ SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 930084 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9014.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. _____ Date Analyzed: 8/23/06

GC Column: CA-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 |
|---|---|---|---|---|

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: _____ SDG No.: MRFA DUP

| | EPA SAMPLE NO. | SMC1 # | TOT OUT | |
|---|---|---|---|---|
| 01 | LCS01 | 105 | 0 | |
| 02 | VBLK01 | 98 | 0 | |
| 03 | MRFA EFFLUENT | 90 | 0 | |
| 04 | TRIP BLANK | 95 | 0 | |
| 05 | MRFA DUP | 94 | 0 | |
| 06 | MRFA INFLUENT | 94 | 0 | |
| 07 | MRFA INFLUENT | 106 | 0 | - MS |
| 08 | MRFA INFLUENT | 104 | 0 | - MSD |
| 09 | COOLER BLANK | 95 | 0 | |

QC LIMITS

SMC1 = 4-Bromofluorobenzene (80-120)

# Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

**VBLK01**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: _____ SDG No.: MRFA DUP

Lab File ID: T9005.D Lab Sample ID: 936828 1.0

Date Analyzed: 8/23/06 Time Analyzed: 16:17

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

Instrument ID: GCMS#6

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | LCS01 | 936829 1.0 | T9003.D | 15:01 |
| 02 | MRFA EFFLUENT | 930082 1.0 | T9006.D | 16:49 |
| 03 | TRIP BLANK | 930083 1.0 | T9007.D | 17:19 |
| 04 | MRFA DUP | 930080 1.0 | T9008.D | 17:53 |
| 05 | MRFA INFLUENT | 930081 1.0 | T9009.D | 18:29 |
| 06 | MRFA INFLUENTMS | 936830 1.0 | T9011.D | 19:43 |
| 07 | MRFA INFLUENTMSD | 936831 1.0 | T9012.D | 20:22 |
| 08 | COOLER BLANK | 930084 1.0 | T9014.D | 21:35 |

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**VBLK01**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 936828 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9005.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 8/23/06

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**VBLK01**

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 936828 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9005.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 936828 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9005.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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 |
|---|---|---|---|---|

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: _____ SDG No.: MRFA DUP

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 | 4.1 | 82 | 60 - 140 |
| 1,2-Dichloroethane | 5.0 | 0.0 | 4.8 | 96 | 60 - 140 |
| Carbon Tetrachloride | 5.0 | 0.0 | 4.8 | 96 | 60 - 140 |
| Benzene | 5.0 | 0.0 | 4.8 | 96 | 60 - 140 |
| Trichloroethene | 5.0 | 0.0 | 4.9 | 98 | 60 - 140 |
| 1,2-Dichloropropane | 5.0 | 0.0 | 4.9 | 98 | 60 - 140 |
| cis-1,3-Dichloropropene | 5.0 | 0.0 | 5.2 | 104 | 60 - 140 |
| 1,1,2-Trichloroethane | 5.0 | 0.0 | 5.2 | 104 | 60 - 140 |
| Tetrachloroethene | 5.0 | 0.0 | 4.8 | 96 | 60 - 140 |
| 1,2-Dibromoethane | 5.0 | 0.0 | 5.0 | 100 | 60 - 140 |
| Bromoform | 5.0 | 0.0 | 5.1 | 102 | 60 - 140 |
| 1,4-Dichlorobenzene | 5.0 | 0.0 | 4.9 | 98 | 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.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 936829 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9003.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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 | 5 | |
| 75-01-4 | Vinyl Chloride | 4 | |
| 74-83-9 | Bromomethane | 7 | |
| 75-00-3 | Chloroethane | 4 | |
| 75-69-4 | Trichlorofluoromethane | 4 | |
| 75-35-4 | 1,1-Dichloroethene | 5 | |
| 67-64-1 | Acetone | 26 | |
| 75-15-0 | Carbon Disulfide | 20 | |
| 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 | 26 | |
| 74-97-5 | Bromochloromethane | 5 | |
| 67-66-3 | Chloroform | 5 | |
| 107-06-2 | 1,2-Dichloroethane | 5 | |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | |
| 56-23-5 | Carbon Tetrachloride | 5 | |
| 71-43-2 | Benzene | 5 | |
| 79-01-6 | Trichloroethene | 5 | |
| 78-87-5 | 1,2-Dichloropropane | 5 | |
| 75-27-4 | Bromodichloromethane | 5 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | |
| 108-10-1 | 4-Methyl-2-Pentanone | 28 | |
| 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 | 26 | |
| 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.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 936829 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9003.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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.: R6-33204 SAS No.: _____ SDG No.: MRFA DUP

Matrix Spike - EPA Sample No MRFA INFLUENT

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| Vinyl Chloride | 5.0 | 0.0 | 4.3 | 86 | 60 - 140 |
| 1,2-Dichloroethane | 5.0 | 0.0 | 4.9 | 98 | 60 - 140 |
| Carbon Tetrachloride | 5.0 | 24 | 28 | 80 | 60 - 140 |
| Benzene | 5.0 | 0.0 | 4.9 | 98 | 60 - 140 |
| Trichloroethene | 5.0 | 25 | 28 | 60 | 60 - 140 |
| 1,2-Dichloropropane | 5.0 | 0.0 | 4.9 | 98 | 60 - 140 |
| cis-1,3-Dichloropropene | 5.0 | 0.0 | 4.9 | 98 | 60 - 140 |
| 1,1,2-Trichloroethane | 5.0 | 0.0 | 5.1 | 102 | 60 - 140 |
| Tetrachloroethene | 5.0 | 0.0 | 4.9 | 98 | 60 - 140 |
| 1,2-Dibromoethane | 5.0 | 0.0 | 4.8 | 96 | 60 - 140 |
| Bromoform | 5.0 | 0.0 | 4.5 | 90 | 60 - 140 |
| 1,4-Dichlorobenzene | 5.0 | 0.0 | 4.7 | 94 | 60 - 140 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 5.0 | 4.2 | 84 | 2 | 30 | 60 - 140 |
| 1,2-Dichloroethane | 5.0 | 4.8 | 96 | 2 | 30 | 60 - 140 |
| Carbon Tetrachloride | 5.0 | 30 | 120 | 40 * | 30 | 60 - 140 |
| Benzene | 5.0 | 4.8 | 96 | 2 | 30 | 60 - 140 |
| Trichloroethene | 5.0 | 28 | 60 | 0 | 30 | 60 - 140 |
| 1,2-Dichloropropane | 5.0 | 4.8 | 96 | 2 | 30 | 60 - 140 |
| cis-1,3-Dichloropropene | 5.0 | 4.8 | 96 | 2 | 30 | 60 - 140 |
| 1,1,2-Trichloroethane | 5.0 | 5.0 | 100 | 2 | 30 | 60 - 140 |
| Tetrachloroethene | 5.0 | 4.8 | 96 | 2 | 30 | 60 - 140 |
| 1,2-Dibromoethane | 5.0 | 4.7 | 94 | 2 | 30 | 60 - 140 |
| Bromoform | 5.0 | 4.6 | 92 | 2 | 30 | 60 - 140 |
| 1,4-Dichlorobenzene | 5.0 | 4.8 | 96 | 2 | 30 | 60 - 140 |

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

* Values outside of QC limits

RPD: 1 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA INFLUENT MS

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 936830 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9011.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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 | 4 | |
| 75-01-4 | Vinyl Chloride | 4 | |
| 74-83-9 | Bromomethane | 4 | |
| 75-00-3 | Chloroethane | 5 | |
| 75-69-4 | Trichlorofluoromethane | 5 | |
| 75-35-4 | 1,1-Dichloroethene | 5 | |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 75-09-2 | Methylene Chloride | 5 | |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | |
| 75-34-3 | 1,1-Dichloroethane | 5 | |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | |
| 78-93-3 | 2-Butanone | 5 | U |
| 74-97-5 | Bromochloromethane | 5 | |
| 67-66-3 | Chloroform | 8 | |
| 107-06-2 | 1,2-Dichloroethane | 5 | |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | |
| 56-23-5 | Carbon Tetrachloride | 28 | E |
| 71-43-2 | Benzene | 5 | |
| 79-01-6 | Trichloroethene | 28 | E |
| 78-87-5 | 1,2-Dichloropropane | 5 | |
| 75-27-4 | Bromodichloromethane | 5 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 5 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | |
| 127-18-4 | Tetrachloroethene | 5 | |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | |
| 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 | 4 | |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**MRFA INFLUENT** MS

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 936830 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9011.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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 | 4 | |
| 87-68-3 | Hexachlorobutadiene | 5 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 4 | |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA INFLUENT MSD

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 936831 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9012.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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 | 4 | |
| 74-83-9 | Bromomethane | 4 | |
| 75-00-3 | Chloroethane | 5 | |
| 75-69-4 | Trichlorofluoromethane | 4 | |
| 75-35-4 | 1,1-Dichloroethene | 5 | |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 75-09-2 | Methylene Chloride | 5 | |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | |
| 75-34-3 | 1,1-Dichloroethane | 5 | |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | |
| 78-93-3 | 2-Butanone | 5 | U |
| 74-97-5 | Bromochloromethane | 5 | |
| 67-66-3 | Chloroform | 8 | |
| 107-06-2 | 1,2-Dichloroethane | 5 | |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | |
| 56-23-5 | Carbon Tetrachloride | 30 | E |
| 71-43-2 | Benzene | 5 | |
| 79-01-6 | Trichloroethene | 28 | E |
| 78-87-5 | 1,2-Dichloropropane | 5 | |
| 75-27-4 | Bromodichloromethane | 5 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | |
| 108-10-1 | 4-Methyl-2-Pentanone | 5 | U |
| 108-88-3 | Toluene | 5 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | |
| 127-18-4 | Tetrachloroethene | 5 | |
| 591-78-6 | 2-Hexanone | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | |
| 106-93-4 | 1,2-Dibromoethane | 5 | |
| 108-90-7 | Chlorobenzene | 5 | |
| 100-41-4 | Ethylbenzene | 5 | |
| 1330-20-7 | (m+p) Xylene | 10 | |
| 1330-20-7 | o-Xylene | 5 | |
| 100-42-5 | Styrene | 4 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | |
| 75-25-2 | Bromoform | 5 | |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MRFA INFLUENT MSD

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Matrix: (soil/water) WATER Lab Sample ID: 936831 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: T9012.D

Level: (low/med) LOW Date Received: 8/16/06

% Moisture: not dec. Date Analyzed: 8/23/06

GC Column: CA-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 | |

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS/ROCH Contract: IT LATHAM

Lab Code: 10145 Case No.: R6-33204 SAS No.: SDG No.: MRFA DUP

Lab File ID (Standard): T8999.D Date Analyzed: 8/23/06

Instrument ID: GCMS#6 Time Analyzed: 12:45

GC Column: CA-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 | 557415 | | 6.73 | | 455276 | | 9.19 | | 215173 | | 11.00 | |
| | UPPER LIMIT | 1114830 | | 7.23 | | 910552 | | 9.69 | | 430346 | | 11.50 | |
| | LOWER LIMIT | 278708 | | 6.23 | | 227638 | | 8.69 | | 107587 | | 10.50 | |
| | EPA SAMPLE NO. | | | | | | | | | | | | |
| 01 | LCS01 | 607881 | | 6.73 | | 483368 | | 9.19 | | 226037 | | 11.00 | |
| 02 | VBLK01 | 581893 | | 6.73 | | 466558 | | 9.19 | | 201768 | | 10.99 | |
| 03 | MRFA EFFLUENT | 557613 | | 6.73 | | 434333 | | 9.19 | | 189132 | | 10.99 | |
| 04 | TRIP BLANK | 549495 | | 6.72 | | 446680 | | 9.19 | | 194120 | | 11.00 | |
| 05 | MRFA DUP | 532647 | | 6.73 | | 425763 | | 9.19 | | 183806 | | 11.00 | |
| 06 | MRFA INFLUENT | 532615 | | 6.73 | | 422257 | | 9.19 | | 190502 | | 11.00 | |
| 07 | MRFA INFLUENT MS | 549009 | | 6.72 | | 445866 | | 9.19 | | 225817 | | 10.99 | |
| 08 | MRFA INFLUENT MSD | 563994 | | 6.73 | | 456049 | | 9.19 | | 218645 | | 11.00 | |
| 09 | COOLER BLANK | 521082 | | 6.73 | | 413959 | | 9.19 | | 187360 | | 10.99 | |

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

effluent

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946926 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3615.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMJ 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclethene | 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-Diclethane | 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 | 0.32 | J |
| 71-43-2 | Benzene | 1 | U BA 11/15 |
| 79-01-6 | Trichloroethene | 0.23 | J |
| 78-87-5 | 1,2-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

effluent

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946926 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3615.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 KMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

effluent

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946926 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3615.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 dmw 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

influent

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946927 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3616.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 VMJ 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0

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 | 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-Diclethene | 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-Diclethane | 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 | 4 | |
| 107-06-2 | 1,2-Dichloroethane | 2 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 2 | U |
| 56-23-5 | Carbon tetrachloride | 38 | |
| 71-43-2 | Benzene | 2 | U |
| 79-01-6 | Trichloroethene | 27 | |
| 78-87-5 | 1,2-Diclpropane | 2 | U |
| 75-27-4 | Bromodichloromethane | 2 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 2 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 2 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 2 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 2 | U |
| 127-18-4 | Tetrachloroethene | 2 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 2 | U |
| 106-93-4 | 1,2-Dibromoethane | 2 | U |
| 108-90-7 | Chlorobenzene | 2 | U |
| 100-41-4 | Ethylbenzene | 2 | U |
| 136777-61-2 | (m+p) Xylene | 2 | U |
| 95-47-6 | 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-Diclbenzene | 2 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**influent**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946927 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3616.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMJ 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**influent**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946927 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3616.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMW 11/1/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

dupe a

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946928 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3617.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMM 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclethene | 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-Diclethane | 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 | 0.28 | J |
| 71-43-2 | Benzene | 1 | U |
| 79-01-6 | Trichloroethene | 0.23 | J |
| 78-87-5 | 1,2-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

> 30 11/15

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

dupe a

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946928 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3617.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 and 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**dupe a**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946928 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3617.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

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 _____

SR #

CAS Contact

| | |
|---|---|
| Project Name: GE-MRFA | Project Number: 810066-0200000 |
| Project Manager: Brian Neumann | Report CC: S. Meier / J. Harry |
| Company/Address: Shaw Environmental<br>13 British American Blvd.<br>Latham, NY 12110 | |
| Phone #: 518-783-1996 | FAX#: 518-783-8397 |
| Sampler's Signature: | Sampler's Printed Name: M. Puglisi / M. Flanagan |

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

PRESERVATIVE: HCl, $HNO_3$, Ice

| CLIENT SAMPLE ID | FOR OFFICE USE ONLY LAB ID | SAMPLING DATE | SAMPLING TIME | MATRIX | NUMBER OF CONTAINERS | METALS, DISSOLVED (List in comments below) | OLC-02.1 VOA | Cr | Cr6 | REMARKS/ ALTERNATE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| Effluent | | 10-16-06 | 09:20 | W | 3 | X | | | | |
| Influent | | | 09:25 | W | 3 | X | | | | |
| Inf MS | | | 0927 | W | 3 | X | | | | |
| Inf MSD | | | 0929 | W | 3 | X | | | | |
| Dupe A | | | — | W | 3 | X | | | | |
| M-14D | | | 1245 | W | 3 | X | | | | |
| M-13D | | | 1340 | W | 2 | | X | X | | |
| M-27D | | | 1435 | W | 5 | X | X | X | | |
| SW-B | | | 1505 | W | 5 | X | X | X | | |
| SW-A | | | 1545 | W | 3 | X | | | | |
| — | | | — | W | 3 | | | | | |

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 DUP-B
Trip Blank - OLC-02.1
DUP-B added to COC as per Marc Flanagan 10/18/06
↳ for Cr & Cr+6

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

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #:

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

| RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY |
|---|---|---|---|---|---|
| Signature | Signature: Rachel Jones | Signature | Signature | Signature | Signature |
| Printed Name: M. Puglisi | Printed Name: Rachel Jones | Printed Name | Printed Name | Printed Name | Printed Name |
| Firm: Shaw | Firm: CAS | Firm | Firm | Firm | Firm |
| Date/Time: 10-16-06 1730 | Date/Time: 10/17/06 0950 | Date/Time | Date/Time | Date/Time | Date/Time |

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

SCOC-1102-08

# *APPENDIX B*

# *LABORATORY DATA, GROUNDWATER SAMPLES AND SURFACE WATER SAMPLES*

# *OCTOBER 16, and 17, 2006*

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

Columbia Analytical Services INC.
An Employee - Owned Company

November 21, 2006

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

Re: GE MRFA Project #810066-02000000
Submission # R2634257

Dear Mr. Neumann:

Enclosed is the analytical data report for the above referenced facility. A total of ftwenty five samples were received by our laboratory on October 17-18, 2006.

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

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

Thank you for your continued use of our services.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Janice M. Jaeger
Project Chemist

enc.

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

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

Columbia Analytical Services, Inc.

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

**THIS IS AN ANALYTICAL TEST REPORT FOR:**

Client : Shaw Environmental
Project Reference: GE-MRFA PROJECT #810066-02000000
Lab Submission # : R2634257
Project Manager : Janice Jaeger
Reported : 11/17/06

Report Contains a total of 127 pages



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

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

| | | | |
|---|---|---|---|
| SDG #: | MRFA DUP | BATCH COMPLETE: __yes_____ | DATE REVISED: |
| SUBMISSION | R2633204 | DISKETTE REQUESTED: Y_X__ N____ | DATE DUE: 9/13/06 |
| CLIENT: | Shaw Environmental | DATE: 08/16/06 | PROTOCOL: CLP |
| CLIENT REP: | Janice Jaeger | CUSTODY SEAL: PRESENT/ABSENT: | SHIPPING No.: |
| PROJECT: | GE MRFA PROJECT #810066 | CHAIN OF CUSTODY: PRESENT/ABSENT: | |

| CAS JOB # | CLIENT/EPA ID | MATRIX | REQUESTED PARAMETERS | DATE SAMPLED | DATE RECEIVED | pH (SOLIDS) | % SOLIDS | REMARKS SAMPLE CONDITION |
|---|---|---|---|---|---|---|---|---|
| 930080 | MRFA DUP | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 9300081QC | MRFA INFLUENT | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 930082 | MRFA EFFLUENT | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 930083 | TRIP BLANK | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 930084 | COOLER BLANK | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |


| | | | |
|---|---|---|---|
| SDG #: | MRFA DUP | BATCH COMPLETE: __yes_____ | DATE REVISED: |
| SUBMISSION | R2633204 | DISKETTE REQUESTED: Y_X__ N____ | DATE DUE: 9/13/06 |

## CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066-02000000
SUBMISSION #: R2634257

Shaw samples were sampled on 10/16-17/06 and received at CAS on 10/17-18/06 in good condition.

### INORGANICS

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

Site specific QC was not requested for these samples. All Blank spike recoveries were within limits.

No other analytical or QC problems were encountered.

### VOLATILE ORGANICS

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

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on M-11D and Influent as requested. All MS/MSD and Reference spike recoveries were within limits. All RPD's were within limits.

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

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

All samples were analyzed within recommended holding times.

No other analytical or QC problems were encountered.

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

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2005 SEAL OF EXCELLENCE PROGRAM

# ORGANIC QUALIFIERS

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

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

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

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

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

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

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

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

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

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

X - As specified in Case Narrative.

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

## CAS/Rochester Lab ID # for State Certifications

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

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Ethics Service Quality ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

# INORGANIC QUALIFIERS

C (Concentration) qualifier –

- B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL). This qualifier may also be used to indicate that there was contamination above the reporting limit in the associated blank. See Narrative for details.
- U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

- D - Spike was diluted out
- E - The reported value is estimated because the serial dilution did not meet criteria.
- J - Estimated Value
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "AF" for Automated Cold Vapor Atomic Fluorescence Spectrometry
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.

## CAS/Rochester Lab ID # for State Certifications

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

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# 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 _____

SR #

CAS Contact

| | |
|---|---|
| Project Name: GE - MRFA | Project Number: 810066 - 0200000 |
| Project Manager: Brian Neumann | Report CC: S. Meier / J. Harry |
| Company/Address: Shaw Environmental<br>13 British American Blvd.<br>Latham, NY 12110 | |
| Phone #: 518-783-1996 | FAX#: 518-783-8397 |
| Sampler's Signature | Sampler's Printed Name: M. Pugliese / M. Flanagan |

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

PRESERVATIVE: HCl | $HNO_3$ | Ice

| CLIENT SAMPLE ID | FOR OFFICE USE ONLY LAB ID | SAMPLING DATE | SAMPLING TIME | MATRIX | NUMBER OF CONTAINERS | GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP | GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP | GC VOA's ☐ 8021 ☐ 601/602 | PESTICIDES ☐ 8081 ☐ 608 ☐ CLP | PCB's ☐ 8082 ☐ 608 ☐ CLP | METALS, TOTAL (List in comments below) | METALS, DISSOLVED (List in comments below) | OLC-02.1 VOA | Cr | Cr6 | REMARKS/ ALTERNATE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Effluent | | 10-16-06 | 09:20 | W | 3 | | | | | | | X | | | | |
| Influent | | | 09:25 | W | 3 | | | | | | | X | | | | |
| Inf MS | | | 0927 | W | 3 | | | | | | | X | | | | |
| Inf MSD | | | 0929 | W | 3 | | | | | | | X | | | | |
| Dupe A | | | — | W | 3 | | | | | | | X | | | | |
| M-14D | | | 1245 | W | 3 | | | | | | | X | | | | |
| M-13D | | | 1340 | W | 2 | | | | | | | | X | X | | |
| M-27D | | | 1435 | W | 5 | | | | | | | X | X | X | | |
| SW-B | | | 1505 | W | 5 | | | | | | | X | X | X | | |
| SW-A | | | 1545 | W | 3 | | | | | | | X | | | | |
| — | | | — | W | 3 | | | | | | | | | | | |

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** DUP-B
Trip Blank - OLC-02.1
DUP-B added to COC as per Marc Flanagan 10/18/06
↳ for Cr & Cr+6

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

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #:

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

| RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY |
|---|---|---|---|---|---|
| Signature | Signature: Rachel Jones | Signature | Signature | Signature | Signature |
| Printed Name: M. Pugliese | Printed Name: Rachel Jones | Printed Name | Printed Name | Printed Name | Printed Name |
| Firm: Shaw | Firm: CAS | Firm | Firm | Firm | Firm |
| Date/Time: 10-16-06 1730 | Date/Time: 10/17/06 0950 | Date/Time | Date/Time | Date/Time | Date/Time |

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

SCOC-1102-08

## Cooler Receipt And Preservation Check Form

Project/Client Shaw Submission Number R2-34257.

Cooler received on 10/17/06 by: RQ **COURIER:** CAS (UPS) FEDEX VELOCITY CLIENT

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

Date/Time Temperatures Taken: 10/17/06 @ 1020

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

**If out of Temperature, Client Approval to Run Samples** _____

PC Secondary Review: JMM 10/18/06

Cooler Breakdown: Date: 10/17/06 by: RQ

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

Explain any discrepancies: _____

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

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

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

**Other Comments:**

PC Secondary Review: JMM 10/19/06

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# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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SR #

CAS Contact

| | |
|---|---|
| Project Name: GE MRFA | Project Number: 810066 |
| Project Manager: Brian Neuman | Report CC: Steve Meier / Judy Harry |
| Company/Address: Shaw Environmental Inc<br>13 British American Blvd<br>Latham, NY 12110 | |
| Phone #: 518-783-1996 | FAX#: 518-783-8397 |
| Sampler's Signature | Sampler's Printed Name: Mike Puglisi / M. Flanagan |

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

PRESERVATIVE: 1

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

| CLIENT SAMPLE ID | FOR OFFICE USE ONLY LAB ID | SAMPLING DATE | SAMPLING TIME | MATRIX | NUMBER OF CONTAINERS | GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP | GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP | GC VOA's ☐ 8021 ☐ 601/602 | PESTICIDES ☐ 8081 ☐ 608 ☐ CLP | PCB's ☐ 8082 ☐ 608 ☐ CLP | METALS, TOTAL (List in comments below) | METALS, DISSOLVED (List in comments below) | 0.6 - 0.2 L VOA | | | | | | | REMARKS/ ALTERNATE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DGC-4S | 942624 | 10/17/06 | 0750 | GW | 3 | | | | | | | | X | | | | | | | |
| DGC-3S | 942625 | | 0830 | | | | | | | | | | X | | | | | | | |
| M-29D | 942626 | | 1000 | | | | | | | | | | X | | | | | | | |
| DUP-C | 942627 | | — | | | | | | | | | | X | | | | | | | |
| M-24D | 942628 | | 1025 | | | | | | | | | | X | | | | | | | |
| M-11D | 942629 | | 1040 | | | | | | | | | | X | | | | | | | |
| M-11DMS | 942680 | | 1041 | | | | | | | | | | X | | | | | | | |
| M-11DMSD | 942681 | | 1042 | | | | | | | | | | X | | | | | | | |
| M-33S | 942682 | | 1111 | | | | | | | | | | X | | | | | | | |
| M-33I | 942683 | | 1130 | | | | | | | | | | X | | | | | | | |

SPECIAL INSTRUCTIONS/COMMENTS
**Metals**

See QAPP ☐

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

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

**INVOICE INFORMATION**
PO#
BILL TO:
SUBMISSION #: 12634257

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

| RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY |
|---|---|---|---|---|---|
| Signature: | Signature: Rachel Jones | Signature | Signature | Signature | Signature |
| Printed Name: Mike Puglisi | Printed Name: Rachel Jones | Printed Name | Printed Name | Printed Name | Printed Name |
| Firm: Shaw | Firm: CAS | Firm | Firm | Firm | Firm |
| Date/Time: 1600 10-17-06 | Date/Time: 10/18/06 1005 | Date/Time | Date/Time | Date/Time | Date/Time |

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

SCOC-1102-08

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# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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SR #

CAS Contact

| Project Name | Project Number |
|---|---|
| Project Manager | Report CC |
| Company/Address: SAME | |
| Phone # | FAX# |
| Sampler's Signature | Sampler's Printed Name |

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

PRESERVATIVE: 1

| 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) | 1,4 DIOXANE VOA | REMARKS/ ALTERNATE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SWG | 947684 | 10/17/06 | 1145 | GW | 3 | | | | | | | X | | |
| SW-F | 947685 | | 1215 | | | | | | | | | X | | |
| SW-E | 947686 | | 1300 | | | | | | | | | X | | |
| M-25D | 947687 | | 1345 | | | | | | | | | X | | |
| 4D | 947688 | | 1405 | | | | | | | | | X | | |
| SWD | 947689 | | 1440 | | | | | | | | | | | |
| Trip Blank | 947690 | | | | | | | | | | | | | |

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

SPECIAL INSTRUCTIONS/COMMENTS
**Metals**

See QAPP ☐

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

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

**INVOICE INFORMATION**
PO#
BILL TO:
SUBMISSION #: 12634257

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

| RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY |
|---|---|---|---|---|---|
| Signature: M Paglisi | Signature: Rachel Jones | Signature | Signature | Signature | Signature |
| Printed Name: M. Paglisi | Printed Name: Rachel Jones | Printed Name | Printed Name | Printed Name | Printed Name |
| Firm: Shaw | Firm: CAS | Firm | Firm | Firm | Firm |
| Date/Time: 10-17-06 1600 | Date/Time: 10/18/06 1005 | 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 R2634257

Cooler received on 10/18/06 by: RG **COURIER:** CAS (UPS) FEDEX VELOCITY CLIENT

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

Date/Time Temperatures Taken: 10/18/06 @ 1045

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

**If out of Temperature, Client Approval to Run Samples** _____

PC Secondary Review: JMV 10/18/06

Cooler Breakdown: Date: 10/18/06 by: AW

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

Explain any discrepancies: _____

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

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

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

**Other Comments:**

PC Secondary Review: JMV 10/24/06

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

effluent

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946926 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3615.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMJ 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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

| 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-Diclethene | 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-Diclethane | 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 | 0.32 | J |
| 71-43-2 | Benzene | 1 | U |
| 79-01-6 | Trichloroethene | 0.23 | J |
| 78-87-5 | 1,2-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

BA 11/15

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

effluent

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946926 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3615.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**effluent**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946926 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3615.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 JMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

**influent**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946927 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3616.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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 | 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-Diclethene | 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-Diclethane | 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 | 4 | |
| 107-06-2 | 1,2-Dichloroethane | 2 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 2 | U |
| 56-23-5 | Carbon tetrachloride | 38 | |
| 71-43-2 | Benzene | 2 | U |
| 79-01-6 | Trichloroethene | 27 | |
| 78-87-5 | 1,2-Diclpropane | 2 | U |
| 75-27-4 | Bromodichloromethane | 2 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 2 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 2 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 2 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 2 | U |
| 127-18-4 | Tetrachloroethene | 2 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 2 | U |
| 106-93-4 | 1,2-Dibromoethane | 2 | U |
| 108-90-7 | Chlorobenzene | 2 | U |
| 100-41-4 | Ethylbenzene | 2 | U |
| 136777-61-2 | (m+p) Xylene | 2 | U |
| 95-47-6 | 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-Diclbenzene | 2 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**influent**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946927 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3616.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 JMJ 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**influent**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946927 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3616.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMW 11/1/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: 1.0 2.0

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

dupe a

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946928 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3617.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMS 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclethene | 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-Diclethane | 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 | 0.28 | J |
| 71-43-2 | Benzene | 1 | U |
| 79-01-6 | Trichloroethene | 0.23 | J |
| 78-87-5 | 1,2-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

BA 11/15

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

dupe a

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946928 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3617.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMS 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**dupe a**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946928 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3617.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 KMJ 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

m-14d

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946929 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3618.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 VMS 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

m-14d

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946929 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3618.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMS 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**m-14d**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946929 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3618.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 JMJ 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

m-27d

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946931 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3619.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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 | | |
| 75-35-4 | 1,1-Diclethene | 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-Diclethane | 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 | 0.7 | J | BAV/15 |
| 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 | 21 | | |
| 78-87-5 | 1,2-Diclpropane | 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 | |
| 136777-61-2 | (m+p) Xylene | 1 | U | |
| 95-47-6 | 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-Diclbenzene | 1 | U | |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

m-27d

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946931 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3619.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 JMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**m-27d**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946931 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3619.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMJ 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

sw-b

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946932 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3642.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 CMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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 | 0.36 | J |
| 71-43-2 | Benzene | 1 | U |
| 79-01-6 | Trichloroethene | 0.25 | J |
| 78-87-5 | 1,2-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

BAH/15

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

sw-b

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946932 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3642.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMJ 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

sw-b

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946932 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3642.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

sw-a

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946933 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3643.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 LMJ 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

sw-a

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946933 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3643.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 and 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

sw-a

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946933 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3643.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 YMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

trip blk

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946934 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3622.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 JMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trip blk

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946934 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3622.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 and 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**trip blk**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946934 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3622.D

Level: (low/med) LOW Date Received: ~~10/18/06~~ 10/17/06 JMW 11/21/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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: 1

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 000084-66-2 | Diethyl Phthalate | 12.60 | 2 | JN |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**cooler blk**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946935 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3654.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**cooler blk**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946935 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3654.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**cooler blk**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 946935 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3654.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

dgc-4s

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947674 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3623.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. Date Analyzed: 10/26/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

**dgc-4s**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947674 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3623.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**dgc-4s**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947674 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3623.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

dgc-3s

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947675 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3624.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Dicletheene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**dgc-3s**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947675 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3624.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**dgc-3s**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947675 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3624.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

m-29d

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947676 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3625.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 3A 11/15

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-Diclethene | 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-Diclethane | 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 | 4 | |
| 107-06-2 | 1,2-Dichloroethane | 2 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 4 | |
| 56-23-5 | Carbon tetrachloride | 33 | |
| 71-43-2 | Benzene | 2 | U |
| 79-01-6 | Trichloroethene | 12 | |
| 78-87-5 | 1,2-Diclpropane | 2 | U |
| 75-27-4 | Bromodichloromethane | 2 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 2 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 2 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 2 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 2 | U |
| 127-18-4 | Tetrachloroethene | 2 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 2 | U |
| 106-93-4 | 1,2-Dibromoethane | 2 | U |
| 108-90-7 | Chlorobenzene | 2 | U |
| 100-41-4 | Ethylbenzene | 2 | U |
| 136777-61-2 | (m+p) Xylene | 2 | U |
| 95-47-6 | 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-Diclbenzene | 2 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

m-29d

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947676 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3625.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0 BRW/JK

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**m-29d**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947676 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3625.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

dup-c

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947677 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3626.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. Date Analyzed: 10/27/06

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-Diclethene | 0.21 | J BAV/C |
| 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-Diclethane | 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 J 1/3-07 |
| 67-66-3 | Chloroform | 4 | |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 4 | |
| 56-23-5 | Carbon tetrachloride | 31 ~~37~~ | ~~E~~ |
| 71-43-2 | Benzene | 1 | U |
| 79-01-6 | Trichloroethene | 14 | |
| 78-87-5 | 1,2-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**dup-c**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947677 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3626.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**dup-c**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947677 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3626.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

dup-c dl

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947677 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3646.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: 2.0

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 | 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-Diclethene | 2 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 2 | U |
| 75-09-2 | Methylene Chloride | 2 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 2 | U |
| 75-34-3 | 1,1-Diclethane | 2 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 2 | U |
| 78-93-3 | 2-Butanone (MEK) | 10 | U |
| 74-97-5 | Bromochloromethane | 2 | U |
| 67-66-3 | Chloroform | 4 | D |
| 107-06-2 | 1,2-Dichloroethane | 2 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 4 | D |
| 56-23-5 | Carbon tetrachloride | 31 | D |
| 71-43-2 | Benzene | 2 | U |
| 79-01-6 | Trichloroethene | 12 | D |
| 78-87-5 | 1,2-Diclpropane | 2 | U |
| 75-27-4 | Bromodichloromethane | 2 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 2 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 2 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 2 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 2 | U |
| 127-18-4 | Tetrachloroethene | 2 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 2 | U |
| 106-93-4 | 1,2-Dibromoethane | 2 | U |
| 108-90-7 | Chlorobenzene | 2 | U |
| 100-41-4 | Ethylbenzene | 2 | U |
| 136777-61-2 | (m+p) Xylene | 2 | U |
| 95-47-6 | 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-Diclbenzene | 2 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**dup-c dl**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947677 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3646.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**dup-c dl**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947677 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3646.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: 2.0

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**m-24d**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947678 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3627.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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 | 0.44 | J | BA11/15 |
| 107-06-2 | 1,2-Dichloroethane | 1 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U | |
| 56-23-5 | Carbon tetrachloride | 11 | | |
| 71-43-2 | Benzene | 1 | U | |
| 79-01-6 | Trichloroethene | 1 | U | |
| 78-87-5 | 1,2-Diclpropane | 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 | |
| 136777-61-2 | (m+p) Xylene | 1 | U | |
| 95-47-6 | 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-Diclbenzene | 1 | U | |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

**m-24d**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947678 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3627.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**m-24d**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947678 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3627.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

**m-11d**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947679 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3628.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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 | 12 | |
| 71-43-2 | Benzene | 1 | U |
| 79-01-6 | Trichloroethene | 2 | |
| 78-87-5 | 1,2-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

m-11d

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947679 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3628.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**m-11d**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947679 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3628.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

**m-33s**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947680 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3629.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**m-33s**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947680 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3629.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**m-33s**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947680 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3629.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

m-33i

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947681 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3630.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

m-33i

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947681 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3630.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

m-33i

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947681 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3630.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

swg

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947682 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3631.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

swg

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947682 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3631.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

swg

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947682 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3631.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

sw-f

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947683 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3632.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

sw-f

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947683 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3632.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

sw-f

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947683 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3632.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

sw-e

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947684 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3647.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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 | 0.74 | J | BAU/15 |
| 71-43-2 | Benzene | 1 | U | |
| 79-01-6 | Trichloroethene | 1 | U | |
| 78-87-5 | 1,2-Diclpropane | 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 | |
| 136777-61-2 | (m+p) Xylene | 1 | U | |
| 95-47-6 | 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-Diclbenzene | 1 | U | |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

sw-e

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947684 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3647.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

sw-e

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947684 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3647.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

**m-25d**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947685 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3648.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 5.0 BAH/15

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 | 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-Diclethene | 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-Diclethane | 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 | 7 | |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon tetrachloride | 71 | |
| 71-43-2 | Benzene | 5 | U |
| 79-01-6 | Trichloroethene | 22 | |
| 78-87-5 | 1,2-Diclpropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 25 | U |
| 108-88-3 | Toluene | 5 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-Hexanone | 25 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 136777-61-2 | (m+p) Xylene | 5 | U |
| 95-47-6 | 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-Diclbenzene | 5 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

m-25d

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947685 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3648.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 5.0 BAW/15

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-Diclbenzene | 5 | U |
| 95-50-1 | 1,2-Diclbenzene | 5 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | U |
| 87-68-3 | Hexachlorobutadiene | 5 | U |
| 87-61-6 | 1,2,3-Tcbenzene | 5 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**m-25d**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947685 5.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3648.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 5.0 BAW/S

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

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

Number TICs found: 0

| CAS NO. | COMPOUND | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

4d

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947686 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3649.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4d

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947686 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3649.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4d

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947686 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3649.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

swd

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947687 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3650.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 1 | U | |
| 67-64-1 | Acetone | 2 | J | J |
| 75-15-0 | Carbon Disulfide | 1 | U | |
| 75-09-2 | Methylene Chloride | 1 | U | |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U | |
| 75-34-3 | 1,1-Diclethane | 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 | 0.30 | J | BAV/15 |
| 71-43-2 | Benzene | 1 | U | |
| 79-01-6 | Trichloroethene | 1 | U | |
| 78-87-5 | 1,2-Diclpropane | 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 | |
| 136777-61-2 | (m+p) Xylene | 1 | U | |
| 95-47-6 | 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-Diclbenzene | 1 | U | |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

swd

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947687 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3650.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

swd

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947687 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3650.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trip blk

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947688 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3651.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 1 | U |
| 67-64-1 | Acetone | 5 | UJ |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 75-09-2 | Methylene Chloride | 1 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | U |
| 75-34-3 | 1,1-Diclethane | 1 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | U |
| 78-93-3 | 2-Butanone (MEK) | 5 | UJ |
| 74-97-5 | Bromochloromethane | 1 | U |
| 67-66-3 | Chloroform | 1 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | U |
| 56-23-5 | Carbon tetrachloride | 1 | U |
| 71-43-2 | Benzene | 1 | U |
| 79-01-6 | Trichloroethene | 1 | U |
| 78-87-5 | 1,2-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**trip blk**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947688 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3651.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

trip blk

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 947688 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3651.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

| | EPA SAMPLE NO. | SMC1 # | TOT OUT |
|---|---|---|---|
| 01 | LCS1 | 96 | 0 |
| 02 | MET BLK1 | 97 | 0 |
| 03 | EFFLUENT | 99 | 0 |
| 04 | INFLUENT | 99 | 0 |
| 05 | DUPE A | 100 | 0 |
| 06 | M-14D | 98 | 0 |
| 07 | M-27D | 100 | 0 |
| 08 | TRIP BLK | 100 | 0 |
| 09 | DGC-4S | 102 | 0 |
| 10 | DGC-3S | 100 | 0 |
| 11 | M-29D | 100 | 0 |
| 12 | DUP-C | 99 | 0 |
| 13 | M-24D | 98 | 0 |
| 14 | M-11D | 100 | 0 |
| 15 | M-33S | 103 | 0 |
| 16 | M-33I | 102 | 0 |
| 17 | SWG | 101 | 0 |
| 18 | SW-F | 99 | 0 |
| 19 | LCS2 | 94 | 0 |
| 20 | MET BLK2 | 94 | 0 |
| 21 | SW-B | 94 | 0 |
| 22 | SW-A | 94 | 0 |
| 23 | INFLUENTMS | 102 | 0 |
| 24 | INFLUENTMSD | 93 | 0 |
| 25 | DUP-C DL | 98 | 0 |
| 26 | SW-E | 98 | 0 |
| 27 | M-25D | 98 | 0 |
| 28 | 4D | 96 | 0 |
| 29 | SWD | 96 | 0 |
| 30 | TRIP BLK | 95 | 0 |
| 31 | M-11DMS | 99 | 0 |
| 32 | M-11DMSD | 96 | 0 |
| 33 | COOLER BLK | 96 | 0 |

QC LIMITS

SMC1 = SURR2,BFB (80-120)

# Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

# METALS
## COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Contract: R2634257 SDG No.: EFFLUENT

Lab Code: Case No.: SAS No.:

SOW No.: CLP ILM5.3 Client: Shaw Environmental

| Sample No. | Lab Sample ID. |
|---|---|
| M-13D | 946930 |
| M-27D | 946931 |
| SW-B | 946932 |
| DUP-B | 946936 |

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: See Attached Case Narrative

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 hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Michael K. Perry Name: Michael K. Perry

Date: 11/22/06 Title: Laboratory Manager

# METALS
-1-
## INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
DUP-B

Contract: R2634257
Lab Code: Case No.: SAS No.: SDG NO.: EFFLUENT
Matrix (soil/water): WATER Lab Sample ID: 946936
Level (low/med): LOW Date Received: 10/18/06

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7440-47-3 | Chromium | 15.9 | | | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

# METALS
## -1-
## INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: M-13D

Contract: R2634257

Lab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

Matrix (soil/water): WATER Lab Sample ID: 946930

Level (low/med): LOW Date Received: 10/18/06

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7440-47-3 | Chromium | 17.1 | | | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

# METALS
## -1-
## INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
M-27D

Contract: R2634257

Lab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

Matrix (soil/water): WATER Lab Sample ID: 946931

Level (low/med): LOW Date Received: 10/18/06

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7440-47-3 | Chromium | 1.7 | B | J | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

# METALS
## -1-
## INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: SW-B

Contract: R2634257

Lab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

Matrix (soil/water): WATER Lab Sample ID: 946932

Level (low/med): LOW Date Received: 10/18/06

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

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7440-47-3 | Chromium | 0.70 | U | J | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

COLUMBIA ANALYTICAL SERVICES

Reported: 11/17/06

Shaw Environmental
Project Reference: GE-MRFA PROJECT #810066-02000000
Client Sample ID : M-13D

Date Sampled : 10/16/06 13:40 Order #: 946930 Sample Matrix: WATER
Date Received: 10/18/06 Submission #: R2634257

| ANALYTE | METHOD | PQL | RESULT | UNITS | DATE ANALYZED | TIME ANALYZED | DILUTION |
|---|---|---|---|---|---|---|---|
| HEXAVALENT CHROMIUM | 7196A | 0.0100 | 0.0142 | MG/L | 10/17/06 | 12:05 | 1.0 |

COLUMBIA ANALYTICAL SERVICES

Reported: 11/17/06

Shaw Environmental
Project Reference: GE-MRFA PROJECT #810066-02000000
Client Sample ID : M-27D

Date Sampled : 10/16/06 14:35 Order #: 946931 Sample Matrix: WATER
Date Received: 10/18/06 Submission #: R2634257

| ANALYTE | METHOD | PQL | RESULT | UNITS | DATE ANALYZED | TIME ANALYZED | DILUTION |
|---|---|---|---|---|---|---|---|
| HEXAVALENT CHROMIUM | 7196A | 0.0100 | 0.0100 U | MG/L | 10/17/06 | 12:05 | 1.0 |

COLUMBIA ANALYTICAL SERVICES

Reported: 11/17/06

Shaw Environmental
**Project Reference:** GE-MRFA PROJECT #810066-02000000
**Client Sample ID :** SW-B

**Date Sampled :** 10/16/06 15:05 **Order #:** 946932 **Sample Matrix:** WATER
**Date Received:** 10/18/06 **Submission #:** R2634257

| ANALYTE | METHOD | PQL | RESULT | UNITS | DATE ANALYZED | TIME ANALYZED | DILUTION |
|---|---|---|---|---|---|---|---|
| HEXAVALENT CHROMIUM | 7196A | 0.0100 | 0.0100 U | MG/L | 10/17/06 | 12:05 | 1.0 |

COLUMBIA ANALYTICAL SERVICES

Reported: 11/17/06

Shaw Environmental
Project Reference: GE-MRFA PROJECT #810066-02000000
Client Sample ID : DUP-B

Date Sampled : 10/16/06 Order #: 946936 Sample Matrix: WATER
Date Received: 10/18/06 Submission #: R2634257

| ANALYTE | METHOD | PQL | RESULT | UNITS | DATE ANALYZED | TIME ANALYZED | DILUTION |
|---|---|---|---|---|---|---|---|
| HEXAVALENT CHROMIUM | 7196A | 0.0100 | 0.0100 U | MG/L | 10/17/06 | 12:05 | 1.0 |

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix Spike - EPA Sample No.: lcs1

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

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

* Values outside of QC limits

RPD: 12 out of 12 outside limits

Spike Recovery: 12 out of 24 outside limits

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

lcs1

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956185 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3612.D

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

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 | |
| 136777-61-2 | (m+p) Xylene | 10 | |
| 95-47-6 | 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-Diclbenzene | 5 | |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

lcs1

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956185 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3612.D

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

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclbenzene | 5 | |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 5 | |

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix Spike - EPA Sample No.: lcs2

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| Vinyl Chloride | 5.0 | 0.0 | 4.8 | 96 | 60 - 140 |
| 1,2-Dichloroethane | 5.0 | 0.0 | 4.7 | 94 | 60 - 140 |
| Carbon tetrachloride | 5.0 | 0.0 | 4.5 | 90 | 60 - 140 |
| Benzene | 5.0 | 0.0 | 4.7 | 94 | 60 - 140 |
| Trichloroethene | 5.0 | 0.0 | 4.7 | 94 | 60 - 140 |
| 1,2-Diclpropane | 5.0 | 0.0 | 4.6 | 92 | 60 - 140 |
| cis-1,3-Dichloropropene | 5.0 | 0.0 | 4.9 | 98 | 60 - 140 |
| 1,1,2-Trichloroethane | 5.0 | 0.0 | 4.7 | 94 | 60 - 140 |
| Tetrachloroethene | 5.0 | 0.0 | 4.6 | 92 | 60 - 140 |
| 1,2-Dibromoethane | 5.0 | 0.0 | 4.9 | 98 | 60 - 140 |
| Bromoform | 5.0 | 0.0 | 4.9 | 98 | 60 - 140 |
| 1,4-Diclbenzene | 5.0 | 0.0 | 4.6 | 92 | 60 - 140 |

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

* Values outside of QC limits

RPD: 12 out of 12 outside limits

Spike Recovery: 12 out of 24 outside limits

COMMENTS: _____

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

lcs2

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956191 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H3640.D

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

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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

| CAS NO. | COMPOUND | | 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-Diclethene | 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-Diclethane | 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 | 4 | |
| 71-43-2 | Benzene | 5 | |
| 79-01-6 | Trichloroethene | 5 | |
| 78-87-5 | 1,2-Diclpropane | 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 | 4 | |
| 106-93-4 | 1,2-Dibromoethane | 5 | |
| 108-90-7 | Chlorobenzene | 5 | |
| 100-41-4 | Ethylbenzene | 5 | |
| 136777-61-2 | (m+p) Xylene | 9 | |
| 95-47-6 | 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-Diclbenzene | 5 | |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

lcs2

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956191 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H3640.D

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

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 5 | |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 5 | |

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 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 | 10 | 0.0 | 11 | 110 | 60 - 140 |
| 1,2-Dichloroethane | 10 | 0.0 | 9.9 | 99 | 60 - 140 |
| Carbon tetrachloride | 10 | 38 | 47 | 91 | 60 - 140 |
| Benzene | 10 | 0.0 | 11 | 110 | 60 - 140 |
| Trichloroethene | 10 | 27 | 37 | 97 | 60 - 140 |
| 1,2-Diclpropane | 10 | 0.0 | 10 | 100 | 60 - 140 |
| cis-1,3-Dichloropropene | 10 | 0.0 | 10 | 100 | 60 - 140 |
| 1,1,2-Trichloroethane | 10 | 0.0 | 10 | 100 | 60 - 140 |
| Tetrachloroethene | 10 | 0.0 | 11 | 110 | 60 - 140 |
| 1,2-Dibromoethane | 10 | 0.0 | 10 | 100 | 60 - 140 |
| Bromoform | 10 | 0.0 | 10 | 100 | 60 - 140 |
| 1,4-Diclbenzene | 10 | 0.0 | 11 | 110 | 60 - 140 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 10 | 11 | 110 | 0 | 30 | 60 - 140 |
| 1,2-Dichloroethane | 10 | 9.1 | 91 | 8 | 30 | 60 - 140 |
| Carbon tetrachloride | 10 | 45 | 70 | 25 | 30 | 60 - 140 |
| Benzene | 10 | 10 | 100 | 10 | 30 | 60 - 140 |
| Trichloroethene | 10 | 35 | 80 | 22 | 30 | 60 - 140 |
| 1,2-Diclpropane | 10 | 9.8 | 98 | 2 | 30 | 60 - 140 |
| cis-1,3-Dichloropropene | 10 | 9.8 | 98 | 2 | 30 | 60 - 140 |
| 1,1,2-Trichloroethane | 10 | 9.3 | 93 | 7 | 30 | 60 - 140 |
| Tetrachloroethene | 10 | 11 | 110 | 0 | 30 | 60 - 140 |
| 1,2-Dibromoethane | 10 | 9.6 | 96 | 4 | 30 | 60 - 140 |
| Bromoform | 10 | 9.5 | 95 | 5 | 30 | 60 - 140 |
| 1,4-Diclbenzene | 10 | 10 | 100 | 10 | 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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

**influentms**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956187 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3644.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0

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 | 11 | |
| 75-01-4 | Vinyl Chloride | 11 | |
| 74-83-9 | Bromomethane | 9 | |
| 75-00-3 | Chloroethane | 11 | |
| 75-69-4 | Trichlorofluoromethane | 11 | |
| 75-35-4 | 1,1-Diclethene | 12 | |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 2 | U |
| 75-09-2 | Methylene Chloride | 10 | |
| 156-60-5 | trans-1,2-Dichloroethene | 11 | |
| 75-34-3 | 1,1-Diclethane | 11 | |
| 156-59-2 | cis-1,2-Dichloroethene | 11 | |
| 78-93-3 | 2-Butanone (MEK) | 10 | U |
| 74-97-5 | Bromochloromethane | 10 | |
| 67-66-3 | Chloroform | 14 | |
| 107-06-2 | 1,2-Dichloroethane | 10 | |
| 71-55-6 | 1,1,1-Trichloroethane | 11 | |
| 56-23-5 | Carbon tetrachloride | 47 | |
| 71-43-2 | Benzene | 11 | |
| 79-01-6 | Trichloroethene | 37 | |
| 78-87-5 | 1,2-Diclpropane | 10 | |
| 75-27-4 | Bromodichloromethane | 10 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 11 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | |
| 127-18-4 | Tetrachloroethene | 11 | |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | |
| 106-93-4 | 1,2-Dibromoethane | 10 | |
| 108-90-7 | Chlorobenzene | 11 | |
| 100-41-4 | Ethylbenzene | 11 | |
| 136777-61-2 | (m+p) Xylene | 21 | |
| 95-47-6 | o-Xylene | 10 | |
| 100-42-5 | Styrene | 10 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | |
| 75-25-2 | Bromoform | 10 | |
| 541-73-1 | 1,3-Diclbenzene | 10 | |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**influentms**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956187 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3644.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0

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-Diclbenzene | 11 | |
| 95-50-1 | 1,2-Diclbenzene | 10 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 9 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 11 | |
| 87-68-3 | Hexachlorobutadiene | 11 | |
| 87-61-6 | 1,2,3-Tcbenzene | 10 | |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

**influentmsd**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956188 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3645.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0

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 | 10 | |
| 75-01-4 | Vinyl Chloride | 11 | |
| 74-83-9 | Bromomethane | 9 | |
| 75-00-3 | Chloroethane | 10 | |
| 75-69-4 | Trichlorofluoromethane | 11 | |
| 75-35-4 | 1,1-Diclethene | 11 | |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 2 | U |
| 75-09-2 | Methylene Chloride | 10 | |
| 156-60-5 | trans-1,2-Dichloroethene | 10 | |
| 75-34-3 | 1,1-Diclethane | 10 | |
| 156-59-2 | cis-1,2-Dichloroethene | 10 | |
| 78-93-3 | 2-Butanone (MEK) | 10 | U |
| 74-97-5 | Bromochloromethane | 9 | |
| 67-66-3 | Chloroform | 13 | |
| 107-06-2 | 1,2-Dichloroethane | 9 | |
| 71-55-6 | 1,1,1-Trichloroethane | 11 | |
| 56-23-5 | Carbon tetrachloride | 45 | |
| 71-43-2 | Benzene | 10 | |
| 79-01-6 | Trichloroethene | 35 | |
| 78-87-5 | 1,2-Diclpropane | 10 | |
| 75-27-4 | Bromodichloromethane | 10 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 108-88-3 | Toluene | 10 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 9 | |
| 79-00-5 | 1,1,2-Trichloroethane | 9 | |
| 127-18-4 | Tetrachloroethene | 11 | |
| 591-78-6 | 2-Hexanone | 10 | U |
| 124-48-1 | Dibromochloromethane | 9 | |
| 106-93-4 | 1,2-Dibromoethane | 10 | |
| 108-90-7 | Chlorobenzene | 10 | |
| 100-41-4 | Ethylbenzene | 10 | |
| 136777-61-2 | (m+p) Xylene | 20 | |
| 95-47-6 | o-Xylene | 9 | |
| 100-42-5 | Styrene | 9 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9 | |
| 75-25-2 | Bromoform | 10 | |
| 541-73-1 | 1,3-Diclbenzene | 10 | |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

**influentmsd**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956188 2.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3645.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

GC Column: db-624 ID: 0.18 (mm) Dilution Factor: ~~1.0~~ 2.0

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-Diclbenzene | 10 | |
| 95-50-1 | 1,2-Diclbenzene | 10 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 7 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | |
| 87-68-3 | Hexachlorobutadiene | 12 | |
| 87-61-6 | 1,2,3-Tcbenzene | 10 | |

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix Spike - EPA Sample No.: m-11d

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| Vinyl Chloride | 5.0 | 0.0 | 5.3 | 106 | 60 - 140 |
| 1,2-Dichloroethane | 5.0 | 0.0 | 4.8 | 96 | 60 - 140 |
| Carbon tetrachloride | 5.0 | 12 | 16 | 84 | 60 - 140 |
| Benzene | 5.0 | 0.0 | 5.1 | 102 | 60 - 140 |
| Trichloroethene | 5.0 | 1.5 | 6.8 | 106 | 60 - 140 |
| 1,2-Diclpropane | 5.0 | 0.0 | 4.9 | 98 | 60 - 140 |
| cis-1,3-Dichloropropene | 5.0 | 0.0 | 5.1 | 102 | 60 - 140 |
| 1,1,2-Trichloroethane | 5.0 | 0.0 | 4.8 | 96 | 60 - 140 |
| Tetrachloroethene | 5.0 | 0.0 | 5.4 | 108 | 60 - 140 |
| 1,2-Dibromoethane | 5.0 | 0.0 | 4.7 | 94 | 60 - 140 |
| Bromoform | 5.0 | 0.0 | 4.8 | 96 | 60 - 140 |
| 1,4-Diclbenzene | 5.0 | 0.0 | 5.1 | 102 | 60 - 140 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 5.0 | 5.4 | 108 | 2 | 30 | 60 - 140 |
| 1,2-Dichloroethane | 5.0 | 4.9 | 98 | 2 | 30 | 60 - 140 |
| Carbon tetrachloride | 5.0 | 17 | 100 | 22 | 30 | 60 - 140 |
| Benzene | 5.0 | 5.3 | 106 | 4 | 30 | 60 - 140 |
| Trichloroethene | 5.0 | 7.1 | 112 | 6 | 30 | 60 - 140 |
| 1,2-Diclpropane | 5.0 | 4.9 | 98 | 0 | 30 | 60 - 140 |
| cis-1,3-Dichloropropene | 5.0 | 5.1 | 102 | 0 | 30 | 60 - 140 |
| 1,1,2-Trichloroethane | 5.0 | 4.8 | 96 | 0 | 30 | 60 - 140 |
| Tetrachloroethene | 5.0 | 5.5 | 110 | 2 | 30 | 60 - 140 |
| 1,2-Dibromoethane | 5.0 | 4.8 | 96 | 2 | 30 | 60 - 140 |
| Bromoform | 5.0 | 4.7 | 94 | 2 | 30 | 60 - 140 |
| 1,4-Diclbenzene | 5.0 | 4.8 | 96 | 6 | 30 | 60 - 140 |

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

* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**m-11dms**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956193 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3652.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 6 | |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 75-09-2 | Methylene Chloride | 5 | |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | |
| 75-34-3 | 1,1-Diclethane | 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 | 8 | |
| 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 | 7 | |
| 78-87-5 | 1,2-Diclpropane | 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 | |
| 136777-61-2 | (m+p) Xylene | 10 | |
| 95-47-6 | 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-Diclbenzene | 5 | |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**m-11dms**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956193 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3652.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 5 | |
| 95-50-1 | 1,2-Diclbenzene | 5 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 4 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | |
| 87-68-3 | Hexachlorobutadiene | 6 | |
| 87-61-6 | 1,2,3-Tcbenzene | 5 | |

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

m-11dmsd

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956194 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3653.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 6 | |
| 67-64-1 | Acetone | 5 | U |
| 75-15-0 | Carbon Disulfide | 1 | U |
| 75-09-2 | Methylene Chloride | 5 | |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | |
| 75-34-3 | 1,1-Diclethane | 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 | 8 | |
| 107-06-2 | 1,2-Dichloroethane | 5 | |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | |
| 56-23-5 | Carbon tetrachloride | 17 | |
| 71-43-2 | Benzene | 5 | |
| 79-01-6 | Trichloroethene | 7 | |
| 78-87-5 | 1,2-Diclpropane | 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 | 6 | |
| 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 | |
| 136777-61-2 | (m+p) Xylene | 10 | |
| 95-47-6 | o-Xylene | 5 | |
| 100-42-5 | Styrene | 5 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 4 | |
| 75-25-2 | Bromoform | 5 | |
| 541-73-1 | 1,3-Diclbenzene | 5 | |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

**m-11dmsd**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956194 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3653.D

Level: (low/med) LOW Date Received: 10/18/06

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 5 | |
| 95-50-1 | 1,2-Diclbenzene | 5 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 4 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | |
| 87-68-3 | Hexachlorobutadiene | 6 | |
| 87-61-6 | 1,2,3-Tcbenzene | 5 | |

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

**met blk1**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Lab File ID: H3614.D Lab Sample ID: 956184 1.0

Date Analyzed: 10/26/06 Time Analyzed: 19:24

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

Instrument ID: msvoa8

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | LCS1 | 956185 1.0 | H3612.D | 18:27 |
| 02 | EFFLUENT | 946926 1.0 | H3615.D | 19:52 |
| 03 | INFFLUENT | 946927 2.0 | H3616.D | 20:21 |
| 04 | DUPE A | 946928 1.0 | H3617.D | 20:49 |
| 05 | M-14D | 946929 1.0 | H3618.D | 21:17 |
| 06 | M-27D | 946931 1.0 | H3619.D | 21:46 |
| 07 | TRIP BLK | 946934 1.0 | H3622.D | 23:11 |
| 08 | DGC-4S | 947674 1.0 | H3623.D | 23:39 |
| 09 | DGC-3S | 947675 1.0 | H3624.D | 00:08 |
| 10 | M-29D | 947676 2.0 | H3625.D | 00:36 |
| 11 | DUP-C | 947677 1.0 | H3626.D | 01:04 |
| 12 | M-24D | 947678 1.0 | H3627.D | 01:33 |
| 13 | M-11D | 947679 1.0 | H3628.D | 02:01 |
| 14 | M-33S | 947680 1.0 | H3629.D | 02:30 |
| 15 | M-33I | 947681 1.0 | H3630.D | 02:58 |
| 16 | SWG | 947682 1.0 | H3631.D | 03:26 |
| 17 | SW-F | 947683 1.0 | H3632.D | 03:55 |

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

met blk1

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956184 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3614.D

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

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

met blk1

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956184 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3614.D

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

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

met blk1

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956184 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3614.D

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

% Moisture: not dec. _____ Date Analyzed: 10/26/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

met blk2

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Lab File ID: H3641.D Lab Sample ID: 956190 1.0

Date Analyzed: 10/27/06 Time Analyzed: 12:38

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

Instrument ID: msvoa8

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | LCS2 | 956191 1.0 | H3640.D | 12:06 |
| 02 | SW-B | 946932 1.0 | H3642.D | 13:13 |
| 03 | SW-A | 946933 1.0 | H3643.D | 13:46 |
| 04 | INFLUENTMS | 956187 2.0 | H3644.D | 14:15 |
| 05 | INFLUENTMSD | 956188 2.0 | H3645.D | 14:42 |
| 06 | DUP-C DL | 947677 2.0 | H3646.D | 15:09 |
| 07 | SW-E | 947684 1.0 | H3647.D | 15:36 |
| 08 | M-25D | 947685 5.0 | H3648.D | 16:03 |
| 09 | 4D | 947686 1.0 | H3649.D | 16:30 |
| 10 | SWD | 947687 1.0 | H3650.D | 16:56 |
| 11 | TRIP BLK | 947688 1.0 | H3651.D | 17:23 |
| 12 | M-11DMS | 956193 1.0 | H3652.D | 17:50 |
| 13 | M-11DMSD | 956194 1.0 | H3653.D | 18:18 |
| 14 | COOLER BLK | 946935 1.0 | H3654.D | 18:45 |

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

met blk2

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956190 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3641.D

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

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclethene | 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-Diclethane | 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-Diclpropane | 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 |
| 136777-61-2 | (m+p) Xylene | 1 | U |
| 95-47-6 | 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-Diclbenzene | 1 | U |

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

met blk2

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956190 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3641.D

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

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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-Diclbenzene | 1 | U |
| 95-50-1 | 1,2-Diclbenzene | 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-Tcbenzene | 1 | U |

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**met blk2**

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Matrix: (soil/water) WATER Lab Sample ID: 956190 1.0

Sample wt/vol: 25.0 (g/ml) ML Lab File ID: H3641.D

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

% Moisture: not dec. _____ Date Analyzed: 10/27/06

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 | RT | EST. CONC. | Q |
|---|---|---|---|---|

# METALS

-3-

## BLANKS

Contract: R2634257

Lab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

Preparation Blank Matrix (soil/water): WATER

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

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) 1 | C | 2 | C | 3 | C | Preparation Blank | C | M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chromium | 0.7 | U | 0.7 | U | 0.7 | U | 0.7 | U | -0.879 | B | P |

# METALS

-3-

## BLANKS

Contract: R2634257

Lab Code: Case No.: SAS No.: SDG NO.: EFFLUENT

Preparation Blank Matrix (soil/water): WATER

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

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) 1 | C | 2 | C | 3 | C | Preparation Blank | C | M |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chromium | | | 0.7 | U | 0.7 | U | | | | | P |

**COLUMBIA ANALYTICAL SERVICES**

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2634257
Client: Shaw Environmental
GE-MRFA PROJECT #810066-02000000

**BLANK SPIKES**

| | BLANK | FOUND | ADDED | % REC | LIMITS | RUN | UNITS |
|---|---|---|---|---|---|---|---|
| HEXAVALENT CHROMIUM | 0.0100 U | 0.100 | 0.100 | 100 | 90 - 109 | 136169 | MG/L |

5A

# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Lab File ID: H3600.D BFB Injection Date: 10/26/06

Instrument ID: msvoa8 BFB Injection Time: 11:44

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

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 19.5 |
| 75 | 30.0 - 80.0% of mass 95 | 46.3 |
| 95 | Base peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.4 |
| 173 | Less than 2.0% of mass 174 | 0.0 ( 0.0)1 |
| 174 | 50.0 - 120.0% of mass 95 | 60.1 |
| 175 | 5.0 - 9.0% of mass 174 | 4.8 ( 8.0)1 |
| 176 | 95.0 - 101.0% of mass 174 | 59.3 ( 98.7)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.2 ( 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 | VSTD1 | 1 | H3602.D | 10/26/06 | 13:19 |
| 02 | VSTD2 | 2 | H3603.D | 10/26/06 | 13:48 |
| 03 | VSTD3 | 5 | H3604.D | 10/26/06 | 14:16 |
| 04 | VSTD5 | 25 | H3606.D | 10/26/06 | 15:13 |
| 05 | VSTD4 | 10 | H3608.D | 10/26/06 | 16:39 |

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Lab File ID: H3609.D BFB Injection Date: 10/26/06

Instrument ID: msvoa8 BFB Injection Time: 17:00

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

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 19.9 |
| 75 | 30.0 - 80.0% of mass 95 | 48.4 |
| 95 | Base peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.0 ( 0.0)1 |
| 174 | 50.0 - 120.0% of mass 95 | 62.5 |
| 175 | 5.0 - 9.0% of mass 174 | 5.0 ( 8.0)1 |
| 176 | 95.0 - 101.0% of mass 174 | 60.4 ( 96.7)1 |
| 177 | 5.0 - 9.0% of mass 176 | 3.8 ( 6.3)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 | VSTD1 | CCV | H3611.D | 10/26/06 | 17:59 |
| 02 | LCS1 | 956185 1.0 | H3612.D | 10/26/06 | 18:27 |
| 03 | MET BLK1 | 956184 1.0 | H3614.D | 10/26/06 | 19:24 |
| 04 | EFFLUENT | 946926 1.0 | H3615.D | 10/26/06 | 19:52 |
| 05 | INFFLUENT | 946927 2.0 | H3616.D | 10/26/06 | 20:21 |
| 06 | DUPE A | 946928 1.0 | H3617.D | 10/26/06 | 20:49 |
| 07 | M-14D | 946929 1.0 | H3618.D | 10/26/06 | 21:17 |
| 08 | M-27D | 946931 1.0 | H3619.D | 10/26/06 | 21:46 |
| 09 | TRIP BLK | 946934 1.0 | H3622.D | 10/26/06 | 23:11 |
| 10 | DGC-4S | 947674 1.0 | H3623.D | 10/26/06 | 23:39 |
| 11 | DGC-3S | 947675 1.0 | H3624.D | 10/27/06 | 00:08 |
| 12 | M-29D | 947676 2.0 | H3625.D | 10/27/06 | 00:36 |
| 13 | DUP-C | 947677 1.0 | H3626.D | 10/27/06 | 01:04 |
| 14 | M-24D | 947678 1.0 | H3627.D | 10/27/06 | 01:33 |
| 15 | M-11D | 947679 1.0 | H3628.D | 10/27/06 | 02:01 |
| 16 | M-33S | 947680 1.0 | H3629.D | 10/27/06 | 02:30 |
| 17 | M-33I | 947681 1.0 | H3630.D | 10/27/06 | 02:58 |
| 18 | SWG | 947682 1.0 | H3631.D | 10/27/06 | 03:26 |
| 19 | SW-F | 947683 1.0 | H3632.D | 10/27/06 | 03:55 |

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Lab File ID: H3636.D BFB Injection Date: 10/27/06

Instrument ID: msvoa8 BFB Injection Time: 09:20

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

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 19.3 |
| 75 | 30.0 - 80.0% of mass 95 | 45.6 |
| 95 | Base peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 7.0 |
| 173 | Less than 2.0% of mass 174 | 0.0 ( 0.0)1 |
| 174 | 50.0 - 120.0% of mass 95 | 62.0 |
| 175 | 5.0 - 9.0% of mass 174 | 4.8 ( 7.8)1 |
| 176 | 95.0 - 101.0% of mass 174 | 59.3 ( 95.5)1 |
| 177 | 5.0 - 9.0% of mass 176 | 3.8 ( 6.4)2 |

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

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|---|
| 01 | VSTD2 | CCV | H3638.D | 10/27/06 | 10:53 |
| 02 | LCS2 | 956191 1.0 | H3640.D | 10/27/06 | 12:06 |
| 03 | MET BLK2 | 956190 1.0 | H3641.D | 10/27/06 | 12:38 |
| 04 | SW-B | 946932 1.0 | H3642.D | 10/27/06 | 13:13 |
| 05 | SW-A | 946933 1.0 | H3643.D | 10/27/06 | 13:46 |
| 06 | INFLUENTMS | 956187 2.0 | H3644.D | 10/27/06 | 14:15 |
| 07 | INFLUENTMSD | 956188 2.0 | H3645.D | 10/27/06 | 14:42 |
| 08 | DUP-C DL | 947677 2.0 | H3646.D | 10/27/06 | 15:09 |
| 09 | SW-E | 947684 1.0 | H3647.D | 10/27/06 | 15:36 |
| 10 | M-25D | 947685 5.0 | H3648.D | 10/27/06 | 16:03 |
| 11 | 4D | 947686 1.0 | H3649.D | 10/27/06 | 16:30 |
| 12 | SWD | 947687 1.0 | H3650.D | 10/27/06 | 16:56 |
| 13 | TRIP BLK | 947688 1.0 | H3651.D | 10/27/06 | 17:23 |
| 14 | M-11DMS | 956193 1.0 | H3652.D | 10/27/06 | 17:50 |
| 15 | M-11DMSD | 956194 1.0 | H3653.D | 10/27/06 | 18:18 |
| 16 | COOLER BLK | 946935 1.0 | H3654.D | 10/27/06 | 18:45 |

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Lab File ID (Standard): H3611.D Date Analyzed: 10/26/06

Instrument ID: msvoa8 Time Analyzed: 17:59

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

| | | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR ST | 279965 | 4.24 | 198593 | 6.68 | 73589 | 8.89 |
| | LOWER LIMIT | 167979 | 3.74 | 119156 | 6.18 | 44153 | 8.39 |
| | UPPER LIMIT | 391951 | 4.74 | 278030 | 7.18 | 103025 | 9.39 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | LCS1 | 290593 | 4.24 | 200794 | 6.68 | 73193 | 8.89 |
| 02 | MET BLK1 | 291207 | 4.24 | 202024 | 6.68 | 69764 | 8.89 |
| 03 | EFFLUENT | 288422 | 4.25 | 198587 | 6.68 | 73298 | 8.89 |
| 04 | INFFLUENT | 281589 | 4.24 | 194470 | 6.67 | 67598 | 8.89 |
| 05 | DUPE A | 286649 | 4.25 | 204044 | 6.67 | 70358 | 8.89 |
| 06 | M-14D | 288139 | 4.24 | 200384 | 6.68 | 72492 | 8.89 |
| 07 | M-27D | 290403 | 4.24 | 200797 | 6.68 | 72580 | 8.89 |
| 08 | TRIP BLK | 275999 | 4.24 | 196707 | 6.68 | 67249 | 8.89 |
| 09 | DGC-4S | 276981 | 4.25 | 192907 | 6.67 | 68753 | 8.89 |
| 10 | DGC-3S | 279218 | 4.25 | 195958 | 6.67 | 68625 | 8.89 |
| 11 | M-29D | 283998 | 4.25 | 199340 | 6.68 | 69698 | 8.89 |
| 12 | DUP-C | 279135 | 4.25 | 198457 | 6.68 | 67752 | 8.89 |
| 13 | M-24D | 275526 | 4.25 | 191130 | 6.68 | 66911 | 8.89 |
| 14 | M-11D | 275549 | 4.25 | 194908 | 6.68 | 69225 | 8.90 |
| 15 | M-33S | 282761 | 4.25 | 200326 | 6.68 | 71908 | 8.89 |
| 16 | M-33I | 273678 | 4.25 | 190995 | 6.68 | 66714 | 8.89 |
| 17 | SWG | 274042 | 4.25 | 189918 | 6.68 | 66971 | 8.89 |
| 18 | SW-F | 279060 | 4.25 | 197465 | 6.68 | 68834 | 8.89 |

IS1 = 1,4-Difluorobenzene

IS2 = d5-Chlorobenzene

IS3 = d4-Dichlorobenzene

AREA UPPER LIMIT = +40% of internal standard area

AREA LOWER LIMIT = - 40% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: cas\roch Contract: IT

Lab Code: 10145 Case No.: r6-34257 SAS No.: _____ SDG No.: effluent

Lab File ID (Standard): H3638.D Date Analyzed: 10/27/06

Instrument ID: msvoa8 Time Analyzed: 10:53

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

| | | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR ST | 325651 | 4.25 | 230748 | 6.68 | 90155 | 8.90 |
| | LOWER LIMIT | 195391 | 3.75 | 138449 | 6.18 | 54093 | 8.40 |
| | UPPER LIMIT | 455911 | 4.75 | 323047 | 7.18 | 126217 | 9.40 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | LCS2 | 338179 | 4.25 | 237731 | 6.68 | 95136 | 8.90 |
| 02 | MET BLK2 | 340396 | 4.25 | 239220 | 6.68 | 89982 | 8.90 |
| 03 | SW-B | 327516 | 4.25 | 230635 | 6.68 | 80707 | 8.90 |
| 04 | SW-A | 329075 | 4.25 | 227334 | 6.69 | 83638 | 8.91 |
| 05 | INFLUENTMS | 311384 | 4.25 | 218348 | 6.69 | 84145 | 8.90 |
| 06 | INFLUENTMSD | 344528 | 4.25 | 236215 | 6.69 | 88450 | 8.91 |
| 07 | DUP-C DL | 339949 | 4.25 | 233413 | 6.69 | 89302 | 8.90 |
| 08 | SW-E | 317460 | 4.25 | 219378 | 6.69 | 78992 | 8.91 |
| 09 | M-25D | 319890 | 4.25 | 222067 | 6.69 | 82941 | 8.90 |
| 10 | 4D | 315008 | 4.25 | 213188 | 6.69 | 80874 | 8.91 |
| 11 | SWD | 327798 | 4.25 | 225115 | 6.69 | 83625 | 8.91 |
| 12 | TRIP BLK | 314623 | 4.25 | 218752 | 6.69 | 80056 | 8.91 |
| 13 | M-11DMS | 317701 | 4.25 | 221344 | 6.69 | 84264 | 8.91 |
| 14 | M-11DMSD | 324620 | 4.25 | 220385 | 6.69 | 87552 | 8.91 |
| 15 | COOLER BLK | 332213 | 4.26 | 231030 | 6.69 | 88088 | 8.91 |

IS1 = 1,4-Difluorobenzene

IS2 = d5-Chlorobenzene

IS3 = d4-Dichlorobenzene

AREA UPPER LIMIT = +40% of internal standard area

AREA LOWER LIMIT = - 40% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of contract required QC limits

# *APPENDIX C*

# *DATA VALIDATION REPORTS*

# Data Validation Services

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

GE Malta
8A

## LETTER OF TRANSMITTAL

TO: Mark Flannagan

COMPANY: Shaw Group

FROM: Judy Harry

DATE: 01-10-07

ENCLOSED: Validation report for the GE MRFA site
CAS Sub Nos. R2633204 and R2634257

Associated lab summary packages with qualifiers applied in red ink to report forms

Associated invoice

COMMENTS:

Ship via: US Express____ UPS ____ US Priority_X___Fed Ex____Other ___

# QUALIFIED REPORT FORMS

# 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 10, 2007

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

RE: Validation of MRFA Malta Site Data Packages
CAS Sub Nos. R2633204 and R2634257

Dear Mr. Flanagan:

Review has been completed for the data packages generated by Columbia Analytical Services (CAS), pertaining to aqueous samples collected 08/15/06, 10/16/06, and 10/17/06 at the MRFA Malta Site. Twenty-two samples (including three field duplicates) and cooler blanks, and trip blanks were processed for site-specific low level volatiles. Two of these, an additional sample, and a field duplicate were also analyzed for total and hexavalent chromium. Methodologies utilized are those of the USEPA OLC02.1, EPA CLP ILM and SW846 7196.

Data validation was performed with guidance from the most current editions of the USEPA CLP National Functional Guidelines for Organic and Inorganic Data Review and the USEPA SOPs HW-2 and HW-6, with consideration for the specific methodologies. The following items were reviewed:

* Data Completeness
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration/CRI Standards
* Instrument IDLs
* ICP Serial Dilutions
* Method Compliance
* Sample Result Verification

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

Acetone and 2-butanone exhibited low relative response factors (RRFs) in the calibration standards that are inherent with the methodology. The usability of those data 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" qualifiers), possibly biased low.

Carbon disulfide and hexachlorobutadiene show elevated outlying responses in the continuing calibration standard associated with some of the samples collected in October (31%D and 57%D). Because the responses were elevated and the associated samples show no presence of these analytes, there is no effect on the usability of the reported data, and no qualification is indicated.

Matrix spikes of MRFA Influent (both events) and M-11 show acceptable accuracy and precision, with the exception of one elevated duplicate correlation value for carbon tetrachloride (40%RPD, above the 30%RPD recommended limit) in the August influent. The recoveries were acceptable and no qualification to the result of the parent sample is made.

Volatile field duplicate correlations for MRFA Effluent (8/15), MRFA Effluent (10/16), and M-29D are well within validation guidelines.

Some of the samples were processed at dilution due to concentrations of certain target compounds. Therefore, reporting limits of analytes that are not detected are increased proportionally in those samples.

Blanks show no contamination of analytes detected in the field samples.

The laboratory Forms 8A show incorrect acceptance limits for internal standard responses. The sample analyses meet the protocol requirement.

**Total Chromium Analyses**

No matrix spike/lab duplicate accuracy and precision determinations were performed. Therefore, the matrix effect on total chromium recovery from the samples has not been determined. Historical data show acceptable recoveries and duplicate correlations.

Field duplicate evaluation for 13D shows good correlation.

The serial dilution evaluation is not applicable due to low sample concentrations.

The results for chromium in M-27D and SW-B are qualified as estimated, and have a possible low bias, due to low (compliant) negative response in the associated method blank.

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**

No matrix spike/lab duplicate accuracy and precision determinations were performed. Therefore, the matrix effect on hexavalent chromium recovery from the samples has not been determined. Historical data show acceptable recoveries and duplicate correlations.

The field duplicate correlation for 13D was 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

# VALIDATION QUALIFIER DEFINITIONS

## DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

**U** - **The analyte was analyzed for, but was not detected above the reported sample quantitation limit.**

**J** - **The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.**

**N** - **The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."**

**NJ** - **The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.**

**UJ** - **The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.**

**R** - **The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.**

# LABORATORY SAMPLE IDs AND CASE NARRATIVES

CAS ASP/OLC BATCHING FORM / LOGIN SHEET

| | | | |
|---|---|---|---|
| DG #: | EFFLUENT | BATCH COMPLETE: __yes_____ | DATE REVISED: |
| UBMISSION | R2634257 | DISKETTE REQUESTED: Y_X__ N____ | DATE DUE: 11/13/06 RUSH |
| LIENT: | Shaw Environmental | DATE: 10/18/06 | PROTOCOL: SW846 |
| LIENT REP: | Janice Jaeger | CUSTODY SEAL: PRESENT/ABSENT: | SHIPPING No.: |
| ROJECT: | GE-MRFA PROJECT #810066-0 | CHAIN OF CUSTODY: PRESENT/ABSENT: | |

| CAS JOB # | CLIENT/EPA ID | MATRIX | REQUESTED PARAMETERS | DATE SAMPLED | DATE RECEIVED | pH (SOLIDS) | % SOLIDS | REMARKS SAMPLE CONDITION |
|---|---|---|---|---|---|---|---|---|
| 946926 | EFFLUENT | WATER | OLC2.1VOA | 10/16/2006 | ~~10/18/2006~~ | 10/17/06 | | |
| 946927QC | INFLUENT | WATER | OLC2.1VOA | 10/16/2006 | ~~10/18/2006~~ | | | |
| 946928 | DUPE A | WATER | OLC2.1VOA | 10/16/2006 | ~~10/18/2006~~ | | | |
| 946929 | M-14D | WATER | OLC2.1VOA | 10/16/2006 | ~~10/18/2006~~ | | | |
| 946930 | M-13D | WATER | CR,CR6 | 10/16/2006 | ~~10/18/2006~~ | | | |
| 946931 | M-27D | WATER | OLC2.1VOA,CR,CR6 | 10/16/2006 | ~~10/18/2006~~ | | | |
| 946932 | SW-B | WATER | OLC2.1VOA,CR,CR6 | 10/16/2006 | ~~10/18/2006~~ | | | |
| 946933 | SW-A | WATER | OLC2.1VOA | 10/16/2006 | ~~10/18/2006~~ | | | |
| 946934 | TRIP BLANK | WATER | OLC2.1VOA | 10/16/2006 | ~~10/18/2006~~ | | | |
| 946935 | COOLER BLANK | WATER | OLC2.1VOA | 10/18/2006 | ~~10/18/2006~~ | ↓ 10/18/06 | | |
| 946936 | DUP-B | WATER | CR,CR6 | 10/16/2006 | 10/18/2006 | | | |
| 947674 | DGC-4S | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947675 | DGC-3S | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947676 | M-29D | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947677 | DUP-C | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947678 | M-24D | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947679QC | M-11D | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947680 | M-33S | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947681 | M-33I | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947682 | SWG | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947683 | SW-F | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947684 | SW-E | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947685 | M-25D | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947686 | 4D | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947687 | SWD | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
| 947688 | TRIP BLANK | WATER | OLC2.1VOA | 10/17/2006 | 10/18/2006 | | | |
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|---|---|---|---|
| SDG #: | EFFLUENT | BATCH COMPLETE: __yes_____ | DATE REVISED: |
| SUBMISSION | R2634257 | DISKETTE REQUESTED: Y_X__ N____ | DATE DUE: 11/13/06 RUSH |

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

| | | | |
|---|---|---|---|
| SDG #: | MRFA DUP | BATCH COMPLETE: __yes_____ | DATE REVISED: |
| SUBMISSION | R2633204 | DISKETTE REQUESTED: Y_X__ N____ | DATE DUE: 9/13/06 |
| CLIENT: | Shaw Environmental | DATE: 08/16/06 | PROTOCOL: CLP |
| CLIENT REP: | Janice Jaeger | CUSTODY SEAL: PRESENT/ABSENT: | SHIPPING No.: |
| PROJECT: | GE MRFA PROJECT #810066 | CHAIN OF CUSTODY: PRESENT/ABSENT: | |

| CAS JOB # | CLIENT/EPA ID | MATRIX | REQUESTED PARAMETERS | DATE SAMPLED | DATE RECEIVED | pH (SOLIDS) | % SOLIDS | REMARKS SAMPLE CONDITION |
|---|---|---|---|---|---|---|---|---|
| 930080 | MRFA DUP | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 9300081QC | MRFA INFLUENT | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 930082 | MRFA EFFLUENT | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 930083 | TRIP BLANK | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
| 930084 | COOLER BLANK | WATER | OLC2.1-VOA | 8/15/2006 | 8/16/2006 | | | |
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|---|---|---|---|
| SDG #: | MRFA DUP | BATCH COMPLETE: __yes_____ | DATE REVISED: |
| SUBMISSION | R2633204 | DISKETTE REQUESTED: Y_X__ N____ | DATE DUE: 9/13/06 |

BATCHIN1

8/16/2006

## CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066
SUBMISSION #: R2633204

Shaw samples were sampled on 08/15/06 and received at CAS on 08/16/06 in good condition.

## VOLATILE ORGANICS

Four water samples and one cooler blank were analyzed for a site specific list of Volatiles by method OLC2.1.

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on MRFA Influent as requested. All MS/MSD recoveries were within limits. All Reference spike recoveries were within limits. All RPD's were within limits except Carbon Tetrachloride and has been flagged with an "*".

Various compounds for MRFA InfluentMS and MRFA InfluentMSD have been flagged with an "E" as being outside the calibration range of the instrument.

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

All samples were analyzed within recommended holding times.

No other analytical or QC problems were encountered.

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

## CASE NARRATIVE

COMPANY: Shaw Environmental
GE MRFA Project #810066-02000000
SUBMISSION #: R2634257

Shaw samples were sampled on 10/16-17/06 and received at CAS on 10/17-18/06 in good condition.

### INORGANICS

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

Site specific QC was not requested for these samples. All Blank spike recoveries were within limits.

No other analytical or QC problems were encountered.

### VOLATILE ORGANICS

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

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

All internal standard areas were within QC limits.

All Tuning criteria for BFB were met.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on M-11D and Influent as requested. All MS/MSD and Reference spike recoveries were within limits. All RPD's were within limits.

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

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

All samples were analyzed within recommended holding times.

No other analytical or QC problems were encountered.

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

# *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) |
|---|---|---|---|---|---|---|
| 6/21/2006 | Total | 1,160 | 590 | 0.81 | 0.41 | 1.22 |
| 6/22/2006 | Total | 1,150 | 600 | 0.80 | 0.42 | 1.22 |
| 6/23/2006 | Total | 1,610 | 40 | 1.12 | 0.03 | 1.15 |
| 6/24/2006 | Total | 1,730 | 0 | 1.20 | 0.00 | 1.20 |
| 6/25/2006 | Total | 1,760 | 0 | 1.22 | 0.00 | 1.22 |
| 6/26/2006 | Total | 1,650 | 0 | 1.15 | 0.00 | 1.15 |
| 6/27/2006 | Total | 1,440 | 0 | 1.00 | 0.00 | 1.00 |
| 6/28/2006 | Total | 1,650 | 0 | 1.15 | 0.00 | 1.15 |
| 6/29/2006 | Total | 1,650 | 0 | 1.15 | 0.00 | 1.15 |
| 6/30/2006 | Total | 1,830 | 0 | 1.27 | 0.00 | 1.27 |
| 7/1/2006 | Total | 1,590 | 0 | 1.10 | 0.00 | 1.10 |
| 7/2/2006 | Total | 1,560 | 0 | 1.08 | 0.00 | 1.08 |
| 7/3/2006 | Total | 1,660 | 0 | 1.15 | 0.00 | 1.15 |
| 7/4/2006 | Total | 1,560 | 0 | 1.08 | 0.00 | 1.08 |
| 7/5/2006 | Total | 1,550 | 0 | 1.08 | 0.00 | 1.08 |
| 7/6/2006 | Total | 1,680 | 0 | 1.17 | 0.00 | 1.17 |
| 7/7/2006 | Total | 1,620 | 0 | 1.13 | 0.00 | 1.13 |
| 7/8/2006 | Total | 1,720 | 0 | 1.19 | 0.00 | 1.19 |
| 7/9/2006 | Total | 1,670 | 0 | 1.16 | 0.00 | 1.16 |
| 7/10/2006 | Total | 1,860 | 0 | 1.29 | 0.00 | 1.29 |
| 7/11/2006 | Total | 1,870 | 0 | 1.30 | 0.00 | 1.30 |
| 7/12/2006 | Total | 1,870 | 0 | 1.30 | 0.00 | 1.30 |
| 7/13/2006 | Total | 1,980 | 0 | 1.38 | 0.00 | 1.38 |
| 7/14/2006 | Total | 1,870 | 0 | 1.30 | 0.00 | 1.30 |
| 7/15/2006 | Total | 1,970 | 0 | 1.37 | 0.00 | 1.37 |
| 7/16/2006 | Total | 1,770 | 0 | 1.23 | 0.00 | 1.23 |
| 7/17/2006 | Total | 1,880 | 0 | 1.31 | 0.00 | 1.31 |
| 7/18/2006 | Total | 1,900 | 0 | 1.32 | 0.00 | 1.32 |
| 7/19/2006 | Total | 1,780 | 470 | 1.24 | 0.33 | 1.56 |
| 7/20/2006 | Total | 1,240 | 620 | 0.86 | 0.43 | 1.29 |
| 7/21/2006 | Total | 1,230 | 630 | 0.85 | 0.44 | 1.29 |
| 7/22/2006 | Total | 1,290 | 690 | 0.90 | 0.48 | 1.38 |
| 7/23/2006 | Total | 1,130 | 620 | 0.78 | 0.43 | 1.22 |
| 7/24/2006 | Total | 1,290 | 710 | 0.90 | 0.49 | 1.39 |
| 7/25/2006 | Total | 1,210 | 650 | 0.84 | 0.45 | 1.29 |
| 7/26/2006 | Total | 1,300 | 700 | 0.90 | 0.49 | 1.39 |
| 7/27/2006 | Total | 1,170 | 660 | 0.81 | 0.46 | 1.27 |
| 7/28/2006 | Total | 1,280 | 730 | 0.89 | 0.51 | 1.40 |
| 7/29/2006 | Total | 1,570 | 470 | 1.09 | 0.33 | 1.42 |
| 7/30/2006 | Total | 1,860 | 0 | 1.29 | 0.00 | 1.29 |
| 7/31/2006 | Total | 1,880 | 0 | 1.31 | 0.00 | 1.31 |
| 8/1/2006 | Total | 2,060 | 0 | 1.43 | 0.00 | 1.43 |
| 8/2/2006 | Total | 1,880 | 0 | 1.31 | 0.00 | 1.31 |
| 8/3/2006 | Total | 1,980 | 0 | 1.38 | 0.00 | 1.38 |
| 8/4/2006 | Total | 1,990 | 0 | 1.38 | 0.00 | 1.38 |
| 8/5/2006 | Total | 1,870 | 0 | 1.30 | 0.00 | 1.30 |
| 8/6/2006 | Total | 1,780 | 0 | 1.24 | 0.00 | 1.24 |
| 8/7/2006 | Total | 1,980 | 0 | 1.38 | 0.00 | 1.38 |
| 8/8/2006 | Total | 1,860 | 0 | 1.29 | 0.00 | 1.29 |
| 8/9/2006 | Total | 2,020 | 0 | 1.40 | 0.00 | 1.40 |
| 8/10/2006 | Total | 2,060 | 0 | 1.43 | 0.00 | 1.43 |

| Date | | Well #2 Flow (gal) | Well #1 Flow (gal) | Well #2 Average (gpm) | Well #1 Average (gpm) | Total Daily Average Flow (gpm) |
|---|---|---|---|---|---|---|
| 8/11/2006 | Total | 1,870 | 0 | 1.30 | 0.00 | 1.30 |
| 8/12/2006 | Total | 2,080 | 0 | 1.44 | 0.00 | 1.44 |
| 8/13/2006 | Total | 1,770 | 0 | 1.23 | 0.00 | 1.23 |
| 8/14/2006 | Total | 1,870 | 0 | 1.30 | 0.00 | 1.30 |
| 8/15/2006 | Total | 1,880 | 0 | 1.31 | 0.00 | 1.31 |
| 8/16/2006 | Total | 1,400 | 430 | 0.97 | 0.30 | 1.27 |
| 8/17/2006 | Total | 1,200 | 680 | 0.83 | 0.47 | 1.31 |
| 8/18/2006 | Total | 1,210 | 670 | 0.84 | 0.47 | 1.31 |
| 8/19/2006 | Total | 1,070 | 590 | 0.74 | 0.41 | 1.15 |
| 8/20/2006 | Total | 1,200 | 680 | 0.83 | 0.47 | 1.31 |
| 8/21/2006 | Total | 1,160 | 670 | 0.81 | 0.47 | 1.27 |
| 8/22/2006 | Total | 1,220 | 710 | 0.85 | 0.49 | 1.34 |
| 8/23/2006 | Total | 970 | 580 | 0.67 | 0.40 | 1.08 |
| 8/24/2006 | Total | 1,190 | 700 | 0.83 | 0.49 | 1.31 |
| 8/25/2006 | Total | 1,200 | 700 | 0.83 | 0.49 | 1.32 |
| 8/26/2006 | Total | 1,050 | 630 | 0.73 | 0.44 | 1.17 |
| 8/27/2006 | Total | 1,120 | 670 | 0.78 | 0.47 | 1.24 |
| 8/28/2006 | Total | 1,110 | 670 | 0.77 | 0.47 | 1.24 |
| 8/29/2006 | Total | 1,030 | 630 | 0.72 | 0.44 | 1.15 |
| 8/30/2006 | Total | 1,250 | 750 | 0.87 | 0.52 | 1.39 |
| 8/31/2006 | Total | 1,170 | 720 | 0.81 | 0.50 | 1.31 |
| 9/1/2006 | Total | 1,050 | 640 | 0.73 | 0.44 | 1.17 |
| 9/2/2006 | Total | 1,110 | 680 | 0.77 | 0.47 | 1.24 |
| 9/3/2006 | Total | 1,110 | 680 | 0.77 | 0.47 | 1.24 |
| 9/4/2006 | Total | 970 | 590 | 0.67 | 0.41 | 1.08 |
| 9/5/2006 | Total | 1,070 | 650 | 0.74 | 0.45 | 1.19 |
| 9/6/2006 | Total | 1,160 | 700 | 0.81 | 0.49 | 1.29 |
| 9/7/2006 | Total | 1,480 | 870 | 1.03 | 0.60 | 1.63 |
| 9/8/2006 | Total | 1,050 | 640 | 0.73 | 0.44 | 1.17 |
| 9/9/2006 | Total | 1,060 | 650 | 0.74 | 0.45 | 1.19 |
| 9/10/2006 | Total | 740 | 450 | 0.51 | 0.31 | 0.83 |
| 9/11/2006 | Total | 980 | 610 | 0.68 | 0.42 | 1.10 |
| 9/12/2006 | Total | 1,120 | 700 | 0.78 | 0.49 | 1.26 |
| 9/13/2006 | Total | 1,050 | 650 | 0.73 | 0.45 | 1.18 |
| 9/14/2006 | Total | 960 | 620 | 0.67 | 0.43 | 1.10 |
| 9/15/2006 | Total | 1,110 | 700 | 0.77 | 0.49 | 1.26 |
| 9/16/2006 | Total | 970 | 620 | 0.67 | 0.43 | 1.10 |
| 9/17/2006 | Total | 1,050 | 670 | 0.73 | 0.47 | 1.19 |
| 9/18/2006 | Total | 1,020 | 660 | 0.71 | 0.46 | 1.17 |
| 9/19/2006 | Total | 1,040 | 670 | 0.72 | 0.47 | 1.19 |
| 9/20/2006 | Total | 1,030 | 680 | 0.72 | 0.47 | 1.19 |
| 9/21/2006 | Total | 1,090 | 720 | 0.76 | 0.50 | 1.26 |
| 9/22/2006 | Total | 1,030 | 680 | 0.72 | 0.47 | 1.19 |
| 9/23/2006 | Total | 1,090 | 730 | 0.76 | 0.51 | 1.26 |
| 9/24/2006 | Total | 1,000 | 680 | 0.69 | 0.47 | 1.17 |
| 9/25/2006 | Total | 1,010 | 680 | 0.70 | 0.47 | 1.17 |
| 9/26/2006 | Total | 940 | 640 | 0.65 | 0.44 | 1.10 |
| 9/27/2006 | Total | 1,000 | 700 | 0.69 | 0.49 | 1.18 |
| 9/28/2006 | Total | 1,020 | 700 | 0.71 | 0.49 | 1.19 |
| 9/29/2006 | Total | 1,070 | 730 | 0.74 | 0.51 | 1.25 |
| 9/30/2006 | Total | 1,000 | 680 | 0.69 | 0.47 | 1.17 |

| Date | | Well #2 Flow (gal) | Well #1 Flow (gal) | Well #2 Average (gpm) | Well #1 Average (gpm) | Total Daily Average Flow (gpm) |
|---|---|---|---|---|---|---|
| 10/1/2006 | Total | 1,080 | 730 | 0.75 | 0.51 | 1.26 |
| 10/2/2006 | Total | 1,080 | 730 | 0.75 | 0.51 | 1.26 |
| 10/3/2006 | Total | 930 | 620 | 0.65 | 0.43 | 1.08 |
| 10/4/2006 | Total | 1,010 | 690 | 0.70 | 0.48 | 1.18 |
| 10/5/2006 | Total | 940 | 630 | 0.65 | 0.44 | 1.09 |
| 10/6/2006 | Total | 1,020 | 690 | 0.71 | 0.48 | 1.19 |
| 10/7/2006 | Total | 1,020 | 690 | 0.71 | 0.48 | 1.19 |
| 10/8/2006 | Total | 870 | 600 | 0.60 | 0.42 | 1.02 |
| 10/9/2006 | Total | 1,010 | 680 | 0.70 | 0.47 | 1.17 |
| 10/10/2006 | Total | 930 | 650 | 0.65 | 0.45 | 1.10 |
| 10/11/2006 | Total | 1,140 | 780 | 0.79 | 0.54 | 1.33 |
| 10/12/2006 | Total | 950 | 660 | 0.66 | 0.46 | 1.12 |
| 10/13/2006 | Total | 1,050 | 720 | 0.73 | 0.50 | 1.23 |
| 10/14/2006 | Total | 970 | 660 | 0.67 | 0.46 | 1.13 |
| 10/15/2006 | Total | 930 | 640 | 0.65 | 0.44 | 1.09 |
| 10/16/2006 | Total | 1,000 | 690 | 0.69 | 0.48 | 1.17 |
| 10/17/2006 | Total | 1,050 | 710 | 0.73 | 0.49 | 1.22 |
| 10/18/2006 | Total | 950 | 630 | 0.66 | 0.44 | 1.10 |
| 10/19/2006 | Total | 950 | 640 | 0.66 | 0.44 | 1.10 |
| 10/20/2006 | Total | 950 | 640 | 0.66 | 0.44 | 1.10 |
| 10/21/2006 | Total | 1,030 | 680 | 0.72 | 0.47 | 1.19 |
| 10/22/2006 | Total | 950 | 640 | 0.66 | 0.44 | 1.10 |
| 10/23/2006 | Total | 900 | 590 | 0.63 | 0.41 | 1.03 |
| 10/24/2006 | Total | 950 | 640 | 0.66 | 0.44 | 1.10 |
| 10/25/2006 | Total | 1,020 | 680 | 0.71 | 0.47 | 1.18 |
| 10/26/2006 | Total | 970 | 640 | 0.67 | 0.44 | 1.12 |
| 10/27/2006 | Total | 890 | 600 | 0.62 | 0.42 | 1.03 |
| 10/28/2006 | Total | 980 | 640 | 0.68 | 0.44 | 1.13 |
| 10/29/2006 | Total | 890 | 590 | 0.62 | 0.41 | 1.03 |
| 10/30/2006 | Total | 420 | 270 | 0.29 | 0.19 | 0.48 |
| 10/31/2006 | Total | 1,190 | 780 | 0.83 | 0.54 | 1.37 |
| 11/1/2006 | Total | 1,100 | 720 | 0.76 | 0.50 | 1.26 |
| 11/2/2006 | Total | 960 | 630 | 0.67 | 0.44 | 1.10 |
| 11/3/2006 | Total | 1,040 | 680 | 0.72 | 0.47 | 1.19 |
| 11/4/2006 | Total | 1,040 | 670 | 0.72 | 0.47 | 1.19 |
| 11/5/2006 | Total | 910 | 570 | 0.63 | 0.40 | 1.03 |
| 11/6/2006 | Total | 980 | 620 | 0.68 | 0.43 | 1.11 |
| 11/7/2006 | Total | 970 | 620 | 0.67 | 0.43 | 1.10 |
| 11/8/2006 | Total | 980 | 620 | 0.68 | 0.43 | 1.11 |
| 11/9/2006 | Total | 960 | 620 | 0.67 | 0.43 | 1.10 |
| 11/10/2006 | Total | 990 | 620 | 0.69 | 0.43 | 1.12 |
| 11/11/2006 | Total | 890 | 570 | 0.62 | 0.40 | 1.01 |
| 11/12/2006 | Total | 980 | 630 | 0.68 | 0.44 | 1.12 |
| 11/13/2006 | Total | 950 | 610 | 0.66 | 0.42 | 1.08 |
| 11/14/2006 | Total | 980 | 630 | 0.68 | 0.44 | 1.12 |
| 11/15/2006 | Total | 1,020 | 650 | 0.71 | 0.45 | 1.16 |
| 11/16/2006 | Total | 1,110 | 720 | 0.77 | 0.50 | 1.27 |
| 11/17/2006 | Total | 940 | 600 | 0.65 | 0.42 | 1.07 |
| 11/18/2006 | Total | 940 | 600 | 0.65 | 0.42 | 1.07 |
| 11/19/2006 | Total | 740 | 470 | 0.51 | 0.33 | 0.84 |
| 11/20/2006 | Total | 920 | 590 | 0.64 | 0.41 | 1.05 |

| Date | | Well #2 Flow (gal) | Well #1 Flow (gal) | Well #2 Average (gpm) | Well #1 Average (gpm) | Total Daily Average Flow (gpm) |
|---|---|---|---|---|---|---|
| 11/21/2006 | Total | 990 | 640 | 0.69 | 0.44 | 1.13 |
| 11/22/2006 | Total | 920 | 580 | 0.64 | 0.40 | 1.04 |
| 11/23/2006 | Total | 970 | 630 | 0.67 | 0.44 | 1.11 |
| 11/24/2006 | Total | 920 | 590 | 0.64 | 0.41 | 1.05 |
| 11/25/2006 | Total | 840 | 540 | 0.58 | 0.38 | 0.96 |
| 11/26/2006 | Total | 910 | 580 | 0.63 | 0.40 | 1.03 |
| 11/27/2006 | Total | 920 | 590 | 0.64 | 0.41 | 1.05 |
| 11/28/2006 | Total | 980 | 630 | 0.68 | 0.44 | 1.12 |
| 11/29/2006 | Total | 890 | 560 | 0.62 | 0.39 | 1.01 |
| 11/30/2006 | Total | 1,000 | 640 | 0.69 | 0.44 | 1.14 |
| 12/1/2006 | Total | 980 | 620 | 0.68 | 0.43 | 1.11 |
| 12/2/2006 | Total | 980 | 630 | 0.68 | 0.44 | 1.12 |
| 12/3/2006 | Total | 850 | 540 | 0.59 | 0.38 | 0.97 |
| 12/4/2006 | Total | 910 | 580 | 0.63 | 0.40 | 1.03 |
| 12/5/2006 | Total | 920 | 590 | 0.64 | 0.41 | 1.05 |
| 12/6/2006 | Total | 990 | 630 | 0.69 | 0.44 | 1.13 |
| 12/7/2006 | Total | 930 | 580 | 0.65 | 0.40 | 1.05 |
| 12/8/2006 | Total | 990 | 620 | 0.69 | 0.43 | 1.12 |
| 12/9/2006 | Total | 850 | 510 | 0.59 | 0.35 | 0.94 |
| 12/10/2006 | Total | 1,010 | 630 | 0.70 | 0.44 | 1.14 |
| 12/11/2006 | Total | 990 | 610 | 0.69 | 0.42 | 1.11 |
| 12/12/2006 | Total | 1,010 | 620 | 0.70 | 0.43 | 1.13 |
| 12/13/2006 | Total | 930 | 580 | 0.65 | 0.40 | 1.05 |
| 12/14/2006 | Total | 930 | 570 | 0.65 | 0.40 | 1.04 |
| 12/15/2006 | Total | 920 | 570 | 0.64 | 0.40 | 1.03 |
| 12/16/2006 | Total | 1,000 | 620 | 0.69 | 0.43 | 1.13 |
| 12/17/2006 | Total | 850 | 530 | 0.59 | 0.37 | 0.96 |
| 12/18/2006 | Total | 860 | 530 | 0.60 | 0.37 | 0.97 |
| 12/19/2006 | Total | 920 | 580 | 0.64 | 0.40 | 1.04 |
| 12/20/2006 | Total | 930 | 580 | 0.65 | 0.40 | 1.05 |
| 12/21/2006 | Total | 870 | 540 | 0.60 | 0.38 | 0.98 |
| 12/22/2006 | Total | 920 | 580 | 0.64 | 0.40 | 1.04 |
| 12/23/2006 | Total | 940 | 590 | 0.65 | 0.41 | 1.06 |
| 12/24/2006 | Total | 790 | 480 | 0.55 | 0.33 | 0.88 |
| 12/25/2006 | Total | 870 | 540 | 0.60 | 0.38 | 0.98 |
| 12/26/2006 | Total | 870 | 530 | 0.60 | 0.37 | 0.97 |
| 12/27/2006 | Total | 930 | 580 | 0.65 | 0.40 | 1.05 |
| 12/28/2006 | Total | 920 | 570 | 0.64 | 0.40 | 1.03 |
| 12/29/2006 | Total | 790 | 490 | 0.55 | 0.34 | 0.89 |
| **Grand Total** | | **229,730** | **94,000** | **0.831** | **0.340** | **1.171** |

# *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:<br>Mr. Hal Brodie 518-862-1090, ext. 3280 | X | New York State Energy Research and Developmental Authority |
| | | SARATOGA ECONOMIC DEVELOPMENT CORPORATION |
| | | Luther Forest Corporation |
| Date of Interview: 1-23-07 | 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 | |
| Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone? | HAL suggested we check last interview log. - Currently a technology park is being developed but not in the ERZ at this time. | |
| 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: Mike Puglisi | Interviewer signature: [signature]<br>Date: 1-23-07 | |

**Annual Telephone Interview Log**
**Remedial Work Element IV - Institutional Controls**
**Malta Rocket Fuel Area Site**
**Malta and Stillwater, New York**

| | | |
|---|---|---|
| **Indicate Property Owner Interviewed:** JON A. KELLEY 518-587-0945 | | New York State Energy Research and Developmental Authority |
| | X | SARATOGA ECONOMIC DEVELOPMENT CORPORATION |
| | | TOWN OF MALTA, NEW YORK STATE |
| **Date of Interview:** 1-18-07 | **Property Owner Representative:** JON 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. | |
| Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone? | YES - 34 ACRES TRANSFERRED TO TOWN OF MALTA. NOTIFIED TOWN OF ENVIRONMENTAL EASEMENT RESTRICTIONS ON DEED. | |
| 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. TOWN OF MALTA, CHICAGO TITLE COMPANY AND ADVANCED MICRO DEVICES (AMD) | |
| Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants? | YES. LOCATED 2-10,000 GALLON STORAGE TANK VESSELS THEY CONTAINED 3000-3500 GALLONS OF ROCKET FUEL. | |
| Interview completed by: MARC FLANAGAN | Interviewer signature: Date: | INSTRUCTED TO CALL THEIR CONSULTANT, CT MALE FOR DETAILS. |

Brian Neumann (Brian Neumann) for Marc Flanagan
1/18/07

Annual Telephone Interview Log
Remedial Work Element IV - Institutional Controls
Malta Rocket Fuel Area Site
Malta and Stillwater, New York

| | | |
|---|---|---|
| Indicate Property Owner Interviewed: Kevin King, Town of Malta Comptroller 518-899-2552 comptroller@malta-town.org | | New York State Energy Research and Developmental Authority |
| | | SARATOGA ECONOMIC DEVELOPMENT CORPORATION |
| | X | TOWN OF MALTA, NEW YORK STATE |
| Date of Interview: ~~2/9/07~~ (BN) 2/8/07 | Property Owner Representative: KEVIN KING | |
| **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. | WE DO NOT AT THIS TIME | |
| Are you aware of any current or proposed changes in land use within the area of the Environmental Restriction Zone? | YES. the land containing the area is to be used for park and/or recreational purposes pursuant to Town of Malta PDD #167A-52. The Town is aware of the restrictions on water use. | |
| Are you aware of the notice requirements associated with the Environmental Restriction Easement and Declaration of Restrictive Covenants? | YES. these were included in the deed of the subject property of the Town. | |
| 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. | NA - we are the purchasers and have not transferred ~~by~~ any interest to any other party, other than to allow the developer to traverse certain dirt roads and paths on a temporary basis. | |
| Are you aware of any other conditions or actions within the Environmental Restriction Zone that would impact any condition of the Environmental Restriction Easement and Declaration of Restrictive Covenants? | NO. | |
| Interview completed by: Brian Neemann | Interviewer signature: Date: 2/8/07 | |