FINAL
SITE CHARACTERIZATION REPORT
FORMER SARANAC LAKE GAS COMPANY SITE

SARANAC LAKE, NEW YORK
SITE NO. 5-16-008

WORK ASSIGNMENT NO. D004434-6

Prepared for:

New York State Department of Environmental Conservation

Ray Brook, New York

Prepared by:

MACTEC Engineering and Consulting, P.C.
Portland, Maine

Project Number: 3612062058

OCTOBER 26, 2007

This document was prepared for the sole use of New York State Department of Environmental Conservation, the only intended beneficiary of our work. No other party shall rely on the information contained herein without prior written consent of MACTEC Engineering and Consulting, P.C.

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Submitted by:

Jayme P. Connolly
Project Manager

Approved by:

John W. Peterson
Principal Professional

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John W. Peterson, P.M.
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MACTEC

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CLIENT: NYSDEC

PROJECT: FORMER SARANAC LAKE GAS COMPANY

ATTN: ALICIA THORNE

FROM: JOHN W. PETERSON JWP

MACTEC PROJECT NO.: 3612062058

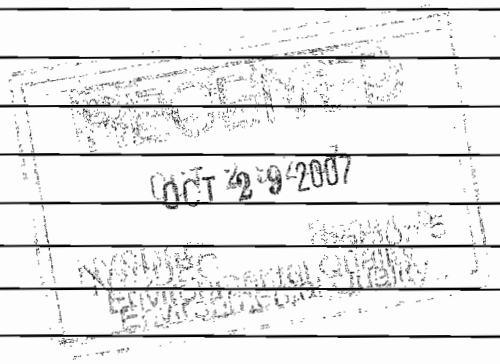
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October 26, 2007

New York State Department of
Environmental Conservation
Office of Environmental Quality
Division of Environmental Remediation
1115 NYS Route 86 – P.O. Box 296
Raybrook, NY 12977

Attention: Ms. Alicia Thorne

Subject: **Former Saranac Lake Gas Company (Site 5-16-008)**
Final Site Characterization Report
Work Assignment # D004434-6
MACTEC Engineering and Consulting - Project No. 3612062058

Dear Ms. Thorne,

Enclosed please find replacement pages incorporating the New York State Department of Environmental Conservation (NYSDEC) requested revisions to the Draft Site Characterization Report submitted by MACTEC Engineering and Consulting, P.C (MACTEC) on September 6, 2007. Revisions were made to pages of the original document to incorporate references to the three new figures depicting sampling locations where contamination was detected above NYS standards, criteria, and guidance values.

Per direction of the NYSDEC, the Site Characterization Report for the Former Saranac Lake Gas Company (Site 5-16-008) is considered Final with the enclosed revised pages and figures.

If you have any questions or concerns, please feel free to call myself at 207-828-3455 or John Peterson at 207-828-3644.

MACTEC Engineering and Consulting, P.C.
511 Congress Street, P.O. Box 7050 • Portland, ME 04112-7050 • Phone: 207.775.5401 • Fax: 207.772.4762 www.mactec.com

Sincerely,

MACTEC Engineering and Consulting, P.C.

Jayme P Connolly
Project Manager

John W. Peterson
Principal Professional

cc:
File 4.2

Attachments

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4.2 MGP-Related COCs Detected in Groundwater Grab Samples

4.3 MGP-Related COCs Detected in Sediment Samples

GLOSSARY OF ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
CN	cyanide
°F	degrees Fahrenheit
FID	flame ionization detector
GC	gas chromatograph
MACTEC	MACTEC Engineering and Consulting, P.C.
MGP	manufactured gas plant
msl	mean sea level
NYCRR	New York Codes, Rules, and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
PCB	polychlorinated biphenyl
PID	photoionization detector
ppm	parts per million
PVC	polyvinyl chloride
SC	Site Characterization
Site	Saranac Lake Gas Company Site
SVOC	semi volatile organic compounds
TCLP	toxicity characteristic leaching procedure
VOC	volatile organic compound
WA	Work Assignment

1.0 INTRODUCTION

MACTEC Engineering and Consulting, PC (MACTEC), is submitting this Site Characterization (SC) Report to the New York State Department of Environmental Conservation (NYSDEC). This Report addresses the SC at the former Saranac Lake Gas Company site (Site) in Saranac Lake, New York (Figure 1.1). This Report was prepared in response to Work Assignment (WA) No. D0004434-6 (NYSDEC, 2006a), and in accordance with the requirements of the Superfund Standby Contract No. D0044434 between the NYSDEC and MACTEC.

The purpose of this Report is to present data collected during the SC to NYSDEC for their use in evaluating whether a consequential amount of hazardous substance has been disposed at the Site as a result of past Site activities related to the former manufactured gas plant (MGP), and if so, whether the contaminant concentrations pose a significant threat and require further investigation. This Report will provide data to evaluate if there is a source of contamination in Brandy Brook and Pontiac Bay of Lake Flower related to the former MGP and/or whether MGP wastes have migrated into Lake Flower.

The SC WA contains six tasks. Under Task 1, MACTEC conducted a Site visit on September 27 and 28, 2006 to develop information necessary for the technical scope of work and associated field operations/sampling plan for the Site. Under Tasks 2 through 5, MACTEC conducted SC field investigation tasks on April 30, 2007 through May 4, 2007, including test pits, direct push soil borings, temporary well point installation, sediment sampling, groundwater grab sampling, and site mapping. This report represents the culmination of work under Task 6 (Reporting).

This Report is divided into five sections:

Section 1 – Introduction to the report.

Section 2 – Describes the site background and physical setting including a summary of previous investigations.

Section 3 – Presents the work conducted during the SC.

Section 4 – Presents results of the SC.

Section 5 - Presents the SC summary.

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2.0 SITE BACKGROUND AND PHYSICAL SETTING

Based on information provided by NYSDEC (NYSDEC, 2006), communications with NYSDEC personnel, and information gathered during the Site visit and subsequent field investigations, the following describes the Site location, history, physical setting, and previous investigations.

2.1 SITE LOCATION

The former Saranac Lake Gas Company Site is located in a residential setting on Payeville Road in the Village of Saranac Lake, Essex County, New York (Figure 1.1). The Site is located east of and to adjacent to the Adirondack Scenic Rail Road. Residential properties border the Site to the north and east and recreational facilities/soccer playing fields border the south. The Site property consists of approximately 0.75 acres.

2.2 SITE HISTORY

Based on information provided by NYSDEC (NYSDEC, 2006; NYSDEC 2001) and information gathered during the Site visit, the Saranac Lake Gas Company manufactured lighting gas (coal gasification) for the Village of Saranac Lake. According to Sanborn insurance maps and photos obtained from the town library, the MGP likely operated until the 1930s or 1940s and consisted of two above ground (or partially above ground) gas holders, a building housing the purifier and retort operations, as well as additional areas for coal storage and offices. The Site owner on the 1931 Sanborn map was listed as The Mountain Gas Company. Based on hand-written sketches on the 1931 map obtained, it appears there was a pre-1931 Sanborn map; however it was not obtained during the Site visit. The 1937 or 1945 Sanborn map (actual date unknown) documents the Site as being vacant and dilapidated, as well as the omission of one of the two gas holders. In a 1962 Sanborn map, the Site owner is listed as the Adirondack Bottled Gas Corp. and shows only the purifier and offices remaining. An aerial photo taken in the early 1970s indicates little change from the 1962 Sanborn map. No original structures from the MGP are present on the Site today, with the possible exception of a raised concrete storage pad and concrete foundation for one of the two gas holders.

The Site is currently occupied by Columbia Propane and is used to stage/store propane gas cylinders, tanks, and miscellaneous debris (concrete with rebar, bricks, propane cylinder parts, etc.).

2.3 PREVIOUS INVESTIGATIONS

No previous Site investigations are known to have been completed for the Site property; however sampling and analysis was documented as part of a 2001 Hazardous Substance Waste Disposal Site Nomination Form in which samples taken downstream from the Site in 1992 and 1993 from Brandy Brook and Pontiac Bay of Lake Flower indicated the presence of MGP wastes (NYSDEC, 2001). In addition, a 1989 NYSDEC Spill Report (NYSDEC, 1989) indicated stratified layers and pockets of coal tar-like material was observed at depths of 6 to 8 feet during the excavation of a house sewer located adjacent to Brandy Brook, just upstream of the intersection of River Road and Slater Avenue.

2.4 PHYSICAL SETTING

Topography

The Site is located in the Village of Saranac Lake, Essex County at approximately 470 feet above mean sea level (msl). The topography in the immediate vicinity of the Site is characterized by a relatively flat grade. Brandy Brook flows adjacent to the northern edge of the Site and eventually discharges to Pontiac Bay of Lake Flower which is located approximately 0.75 miles northeast of the Site (New York State GIS Clearinghouse at http://www.nysgis.state.ny.us/).

Climate

The climate of the area is characterized by moderately warm summers and cold winters. Mean monthly temperatures range from around 14 degrees Fahrenheit (°F) in January to 65°F in July. Average annual precipitation is about 40 inches (http://www.weather.com/weather/climatology/monthly/).

Surface Water Hydrology

Surface drainage at the Site is presumed to discharge to a storm drain located at the entrance of the driveway leading into the Site and Brandy Brook located adjacent to and alongside the northern portion of the property. Brandy Brook drains to Lake Flower at Pontiac Bay.

Groundwater Hydrology

Groundwater at the Site is assumed to be lake level, which is approximately 470 ft above msl (approximately 10 feet below ground surface [bgs]) and is interpreted to flow to the north-northwest based on surface topography in the area and that fact that MGP wastes have been detected in Brandy Brook and Pontiac Bay of Lake Flower, (NYSDEC, 2006). The topography around the Site also suggests the possible location of a groundwater divide near the Site such that there may be a component of flow to the south in the southern part of the Site.

Geology

The surficial geology at the Site is predominately lacustrine sands and kame deposits (NYSDEC, 2006). Overburden observed at the Site appears to be more consistent with lacustrine sands. Bedrock geology at the site is noted as gneiss of igneous or uncertain origin, and varied in composition (New York, 1970). Bedrock was not encountered during the SC and depth to bedrock at the Site is not known.

Site Visit

On September 27, 2006 MACTEC and NYSDEC personnel conducted a walkover of the Site area, including Brandy Brook and Lake Flower. The Site walkover consisted of viewing the Site property to scope proposed sampling locations and discuss the logistical aspects of the field program. MACTEC personnel documented the walkover with field notes, sketches, and/or photographs. On September 28, 2006 MACTEC personnel also obtained selected pieces of historical Site information from the town library to document past Site uses.

2.5 REGULATORY FRAMEWORK

Under federal and state regulations a solid waste may be regulated as a hazardous waste if it is a material included in one of the United States Environmental Protection Agency's or the NYSDEC's lists of hazardous wastes. If a material is regulated because of its inclusion on a federal or state list, it is commonly referred to as a "listed hazardous waste." A waste may also be regulated under the Resource Conservation and Recovery Act as a "characteristic hazardous waste" if it exhibits one of the characteristics of toxicity, corrosivity, reactivity, or flammability.

As defined by 6 New York Codes, Rules, and Regulations (NYCRR) Part 375, significant threat can be established by documenting a contravention of environmental standards. Surface water and groundwater are the only media for which New York State (NYS) has promulgated standards. Under NYS Water Quality Regulations (6 NYCRR Parts 700 705) the state has set numeric standards that are the maximum concentration of compounds in groundwater and surface water that protect public health and/or the environment (NYS, 1999b).

No analytical data has been collected from the Site prior to the SC field investigations and therefore it was not known with certainty if the former MGP at the Site is a source of contamination and/or has impacted downstream water bodies. Therefore, the purpose of the SC investigation was to:

- collect the data necessary to determine if the former MGP is a source of contamination at the Site (i.e., uncontrolled waste disposal),
- determine if MGP wastes (if present) have migrated to groundwater, Brandy Brook, and/or Pontiac Bay of Lake Flower, and
- provide sufficient information regarding the SC to determine if the contamination (if present) poses a significant threat and requires further investigation.

3.0 SCOPE OF WORK

WA Tasks 2 through 5 included the SC field investigation activities conducted to determine if MGP is a source of contamination at the site; if MGP wastes have migrated to surface water or groundwater; and to provide information to determine if the contamination poses a significant threat and requires further investigation.

The following subsections describe the activities completed the SC field investigation. The field investigation was conducted by MACTEC in accordance with the Work Plan. Off-site laboratory analyses were performed by Mitkem Corporation, a New York State Department of Health approved laboratory.

SC field activities were conducted from April 30, 2007 to May 4, 2007. SC activities completed include:

- Test pit excavation and sampling
- Direct push soil and groundwater sampling
- Temporary microwell installation
- Well elevation survey and water level measurement
- Sediment sampling
- Site mapping

Sample locations are shown on Figures 3.1 and 3.2. Field Data Records for sample collection efforts are provided in Appendix A and photos taken during the SC are provided in Appendix B.

3.1 GENERAL FIELD ACTIVITIES

The following subsections describe the activities conducted during the field investigation including mobilization, health and safety, decontamination.

3.1.1 Mobilization

After receiving the NYSDEC authorization to begin fieldwork, MACTEC and its subcontractors conducted utility clearance, mobilized to the Site, and began the field exploration program. Field investigations were conducted on site from April 30, 2007 to May 4, 2007. A field team orientation meeting was held on-site with MACTEC and subcontractor (Aquifer Drilling & Testing) personnel to familiarize field workers with Site history, health and safety requirements, equipment calibration procedures, and other field procedures.

3.1.2 Health and Safety

Field investigation activities were conducted at Level D or Modified Level D personal protection. Based on photoionization detector readings (PID) at the breathing zone and field observations, no upgrades on personal protection were required.

3.1.3 Decontamination

Sampling methods and equipment for this field program were chosen to minimize decontamination requirements and minimize possibility of cross contamination. Disposable sampling equipment was used as much as practical to minimize decontamination time and water disposal. Non-disposable sampling equipment was decontaminated before and after the collection of each sample.

Non-disposable sampling equipment was decontaminated by 1) scrubbing the sample collection equipment with potable water and Liquinox, rinsing with potable water, rinsing with deionized water, and then allowing the equipment to air dry, or 2) steam cleaning the equipment and then allowing the equipment to air dry. Decontamination fluids were released on-site to the ground surface in the area of decontamination, so as to allow the liquids to infiltrate into the soil and not run off-site.

3.1.4 Investigation Derived Wastes

As part of the SC field investigation, used disposable equipment and protective clothing were double bagged in polyethylene trash bags and disposed of as non-hazardous refuse. The limited

amount of purge water generated during the collection of groundwater grab samples was released on-site to the ground surface in the area of the well point, so as to allow the liquids to infiltrate into the soil and not run off-site. The limited amount of soil drill cuttings generated from direct push borings and soil removed during test pitting operations were returned to its original location.

3.2 TEST PIT EXCAVATION

A total of five test pits (TP-01 through TP-05) were excavated to the water table at locations where historical information identified the location of the former MGP structures (see Figure 3.1). Samples were collected from each test pit in the area of greatest contamination (visual evidence or PID screening). A total of five test pit soil samples were submitted to Mitkem Corp. for volatile organic compound (VOC) and semi volatile organic compounds (SVOC) analysis. In addition two of the five samples were also submitted for inorganic and pesticide/polychlorinated biphenyl (PCB) analysis. One sample of MGP-related waste material from test pit location TP-02 was also submitted for laboratory analysis for waste characterization by TCLP, sulpher content, gas chromatograph (GC)/flame ionization detector (FID) fingerprint, reactivity, and cyanide (CN).

Each test pit was conducted according to the Quality Assurance Program Plan (ABB-ES, 1994) and Quality Assurance Project Plan (MACTEC, 2006) and documented on a test pit field data record (see Appendix A-1). Groundwater was encountered between 2 and 9 feet bgs in the test pits. Shallow groundwater conditions (approximately 2 feet bgs) were observed at test pit locations TP-02 and TP-05. Deeper groundwater (approximately 9 feet) was observed at test pit location TP-03. Evidence of MGP-related waste was encountered in each test pit (see Field Data Records in Appendix A-1 and photos in Appendix B).

Test pit locations TP-01 and TP-02 were excavated at the former gas holders. Stained soils and MGP-like odors were observed in each test pit (see photos in Appendix B). Maximum PID readings were observed at 40 parts per million (ppm) and 10 ppm at locations TP-01 and TP-02, respectively.

Test pit locations TP-03 through TP-05 were located alongside the western portion of the fenced property in areas of former MGP-related structures other than the gas holders. Test pit locations TP-03 and TP-04 were excavated to approximately 10 feet bgs, whereas test pit location TP-05 was

terminated at approximately 4 feet bgs. Maximum PID measurements recorded at the test pit locations were 8 ppm (TP-03), 3 ppm (TP-04), and 7 ppm (TP-05). MGP-like odors were observed in each test pit, and coal ash was observed at the surface to approximately 2.5 feet bgs at location TP-05.

3.3 DIRECT PUSH SOIL BORINGS

A total of 16 direct push soil borings (GS-01 through GS-16) were drilled in and around the Site (see Figure 3.1). Soil samples were collected continuously to the top of the groundwater table using a four-foot long, two inch diameter core sampler with an acrylic liner for the collection of discrete subsurface soil samples. PID screening measurements were used to screen soil samples for the presence of MGP-related waste. Based on PID screening results and field observations, a soil sample was collected from each boring from the interval with the greatest potential for detecting MGP-related waste. A total of 16 samples were submitted to Mitkem Corp. for VOC and SVOC analysis. Three of these samples were also analyzed for inorganics and pesticide/PCBs. Samples were described using the Unified Soil Classification System. The Field data records presenting details of each soil boring are presented in Appendix A-1 and Appendix B provide photos of selected direct push locations.

Each direct push soiling boring was conducted according to the Quality Assurance Program Plan (ABB-ES, 1994) and Quality Assurance Project Plan (MACTEC, 2006) and documented on a field data record (Appendix A-1). Consistent with the observations noted during the test pit excavation, shallow groundwater conditions were encountered (approximately 1 to 11 feet bgs) during the advancement of soil borings. Evidence of MGP-related waste was noted for five of the 16 soil boring locations: GS-05, GS-06, GS-07, GS-08, and GS-10 (see Field Data Records in Appendix A-1 and photos in Appendix B).

In general, PID screening measurements in the soil borings exhibiting MGP-related waste (wood chips, wood fibers, tar-like and/or oily residue, "Prussian Blue" appearance) ranged up to 270 ppm (GS-06). Location GS-05 is near the southeast corner of the fenced area, GS-06 is south of TP-02, GS-07 is west of TP-02 (at the edge of the concrete slab), GS-08 is just north of TP-1, GS-10 is approximately 5 feet north of the northern fence line and approximately 200 feet from the entrance gate. In addition, boring GS-16 (located south of the southeast fence corner), was observed to

contain a faint MGP-related odor from material near the water table; however no visual observations of MGP-related waste was recorded, nor was there any elevated PID readings.

3.4 WELL POINT INSTALLATION AND GROUNDWATER GRAB SAMPLING

In accordance with the SC work Plan (MACTEC, 2006) groundwater grab samples were collected at the water table from 12 soil boring locations using a small diameter polyvinyl chloride (PVC) screen that was installed into the groundwater table within the direct push soil borings. Tubing was installed into the well screen and a Geopump was used for the collection of a discrete groundwater sample. At least one tubing volume of water was purged and one set of parameters including temperature, conductivity, pH, and turbidity was collected before sampling. VOC samples were collected at all twelve locations. Four locations also had samples collected for SVOCs and three of the locations had additional samples collected for Pesticides/PCBs, and inorganics.

In addition to the groundwater grab samples, well points were installed in direct push soil borings GS-02, GS-11, GS-12, and GS-14. Figure 3.1 shows the locations of the well points. The well points (GW-02, GW-11, GW-12, and GW-14) were installed to evaluate groundwater flow direction at the Site. The well points were driven into the water table by direct-push equipment. Well points GW-02, GW-11, and GW-14 were constructed of 1" ID Schedule 40 PVC screens and installed with sand filter packs a bentonite surface seal and flush mount protective casings cemented in place. Well point GW-12 was located adjacent to the Site in the railroad right of way and was removed after survey and water level measurements were collected. Well point diagrams are presented in Appendix A-2.

3.5 SEDIMENT SAMPLING

Sediment sampling consisted of the collection of brook and lake bottom samples from 12 locations in Brandy Brook and Pontiac Bay of Lake Flower. Sediment samples were submitted to Mitkem Corp. for laboratory analysis for VOCs, SVOCs and TOC. In addition three of the samples were also submitted for inorganic analysis and one was submitted for waste characterization by TCLP, GC/FID fingerprint, sulfur content, reactivity, and CN analysis. In Brandy Brook, samples were collected from 8 locations starting at SD-01 located upstream of the Site, SD-02, SD-03, SD-04 adjacent to, and SD-05, SD-06, SD-07, and SD-08 located downstream of the Site toward Pontiac

Bay of Lake Flower. The sample locations are shown of Figure 3.2. In Pontiac Bay of Lake Flower four samples were collected, SD-09 located near the Brandy Brook inlet, SD-12 in mid bay as it starts to widen and SD-10 and SD-11 located near the shoreline as the Bay meets Lake Flower.

With the exception of upstream "background" samples in Brandy Brook, sediment sampling was conducted in areas of Brandy Brook and Pontiac Bay that contained evidence of MGP wastes. Hand probing with a hand auger was done at the proposed locations to determine sample depths that would include the most contaminated material. In general, findings were consistent with historical information with highly contaminated sediments found underlying more recent clean to mildly contaminated sediment. A summary of the samples collected is presented in the following paragraphs and documented on Field Data Records provided in Appendix A-3.

Sediment samples collected upstream from (SD-01) and adjacent to (SD-02) the site did not contain any noticeable odors, sheens, or other evidence of MGP-related waste.

Locations SD-03 through SD-08 (adjacent to and downstream from the site) encountered MGP-related waste to varying degrees, as did sediment samples collected from Pontiac Bay (SD-09 through SD-12) (see Appendix A-3).

3.6 SITE SURVEY

Upon completion of field investigation activities, a ground positioning satellite survey was completed to locate test pit, direct push, and sediment explorations as well as some pertinent Site features in order to prepare the Site map.

An elevation survey of the temporary well points was completed using a level. Elevations were tied to a site datum of 100.00 located on the concrete floor slab of the existing building. Table 3-1 presents the site elevation data as well as water level measurements and elevations.

4.0 FIELD INVESTIGATION RESULTS

This section presents results of the laboratory analyses for soil, groundwater, and sediment samples collected during Tasks 2 through 5, as well as results of the water level survey.

4.1 ANALYTICAL RESULTS

Soil, groundwater, and soil gas analytical results were compared to appropriate standards or guidelines:

- **Soil Samples.** Analytical results are compared to the Unrestricted Use Soil Cleanup Objectives in NYCRR Subpart 375-6.3(NYSDEC, 2006b).
- **Groundwater Samples.** Analytical results are compared to the NYS Class GA Groundwater Quality Standards, 6 NYCRR Part 703, (NYSDEC, 1999).
- **Sediment Samples.** Sediment sample results are compared to NYS Technical Guidance for Screening Contaminated Sediments (NYSDEC 1993, with updates).

In addition, results were compared to compounds typically present in MGP waste. Table 4.1 presents a list of these compounds. Reported concentrations of individual analytes indicating contravention of standards or guidelines are summarized in the following sections, noted on Tables 4.2 through 4.6, and shown on Figures 4.1 through 4.3.

A Data Usability Summary Report was completed in accordance with the NYSDEC's Guidance for the Development of Data Usability Summary Reports (NYSDEC, 1997). This report and complete analytical results are presented in Appendix C. In general, results were determined usable for the purposes consistent with a Site Characterization.

4.1.1 Soil Sample Results

A summary of VOCs and SVOCs detected in soil samples (direct push borings and test pits) is presented in Table 4.2. A summary of pesticides, PCBs, and inorganics detected in soil samples is presented in Table 4.3. Figure 4.1 and the table below shows which locations were observed to contain MGP related VOCs and/or SVOCs in excess of NYS standards.

Soil Sample Location ID	MGP-Related VOCs	MGP-Related SVOCs
GS-01	-	-
GS-02	-	√
GS-03	-	√
GS-04	-	-
GS-05	√	√
GS-06	√	√
GS-07	-	-
GS-08	-	√
GS-09	-	√
GS-10	√	√
GS-11	-	-
GS-12	-	-
GS-13	-	-
GS-14	-	√
GS-15	-	-
GS-16	-	-
TP-01	√	√
TP-02	√	√
TP-03	-	√
TP-04	-	-
TP-05	-	√

√ = MGP-Related Compound(s) present above NYS Unrestricted Use Soil Cleanup Objectives
- = MGP-Related Compound(s) NOT present above NYS Unrestricted Use Soil Cleanup Objectives

VOCs were detected in several soil samples above the NYSDEC Soil Cleanup Objectives. Typical MGP related VOC contaminants benzene, toluene, naphthalene, ethyl benzene, and xylene were detected in nearly all sample locations within the perimeter fence as well as location GS-10 located north outside of the property fence. MGP related SVOCs were detected in excess of soil cleanup objectives in all but eight locations.

Soil samples were analyzed for pesticides, PCBs, and inorganics at five locations. Detections of at least three pesticide compounds were detected above soil clean-up levels at four of five locations. Detections of at least one inorganic analyte were also detected above soil clean-up levels at four of five locations (See Table 4.3).

4.1.2 Groundwater Sample Results

A summary of compounds detected in groundwater grab samples is presented in Table 4.4. Groundwater grab samples were collected from 12 of the 16 direct push exploration locations.

Figure 4.2 and the table below shows which locations were observed to contain MGP-related VOCs and/or SVOCs in excess of NYS Class GA groundwater standards.

Groundwater Grab Location ID	MGP-Related VOCs	MGP-Related SVOCs
GS-01	NS	NS
GS-02	√	√
GS-03	NS	NS
GS-04	NS	NS
GS-05	√	NT
GS-06	√	√
GS-07	-	-
GS-08	√	√
GS-09	√	-
GS-10	√	√
GS-11	√	√
GS-12	-	-
GS-13	-	-
GS-14	√	-
GS-15	-	-
GS-16	NS	NS

NS = Not Sampled
NT = Not Tested
√ = MGP-Related Compound(s) present above NYS Class GA Standard(s)
- = MGP-Related Compound(s) NOT present above NYS Class GA Standard(s)

VOC contaminants likely related to MGP wastes were detected above NYS Class GA groundwater standards at 8 of 12 locations tested. Naphthalene was detected below groundwater standards at locations GS-07 and GS-12 and VOCs were not detected at locations GS-13 or GS-15.

MGP related SVOC compounds were detected above groundwater standards at 7 of 11 locations analyzed. Only one exceedance (Phenol 3J ug/L) was reported at the GS-14 location. No exceedances of MGP-related VOCs or SVOCs groundwater standards were reported at locations GS-07, GS-12, GS-13, and GS-15.

Groundwater grab samples for pesticide and inorganic analysis were submitted from three locations, GS-06, GS-07, and GS-12. One pesticide (4,4-DDD 0.53J ug/L) was detected above groundwater standards at the GS-06 location. Inorganics were detected above groundwater standards at all locations including iron in all three locations, manganese at two locations (GS-06, GS-12), and selenium (GS-07), lead (GS-06), and thallium (GS-06) at one location each.

4.1.3 Sediment Sample Results

A summary of compounds detected in sediment samples is presented in Tables 4.5 (Brandy Brook) and 4.6 (Pontiac Bay, Lake Flower). Figure 4.3 shows which locations were observed to contain MGP-related VOCs and/or SVOCs in excess of NYS standards.

MGP-related VOCs and SVOCs were detected at concentrations in excess of sediment screening criteria in all locations adjacent and downstream from the Payeville Road site, with the highest concentrations detected in the sample from location SD-06.

Results for the lake bottom sediment samples collected from the Pontiac Bay locations also showed evidence of MGP-related VOCs and SVOCs, with the highest concentrations detected in the sample collected from locations SD-09 and SD-12.

4.1.4 Waste Characterization Results

MPG-related waste samples from two locations (TP-02 and SD-09) were collected for waste characterization analyses (see appendix C). The sample analysis included full suite toxicity characteristic leaching procedure (TCLP), reactivity, percent sulfur, cyanide, and GC/FID fingerprinting. A summary of results is tabulated below:

Analysis	SD-09	TP-02
TCLP VOCs (µg/L)	ND	Benzene – 2J µg/L
TCLP SVOCs (µg/L)	ND	ND
TCLP Herb/Pest (µg/L)	ND	ND
TCLP Metals (µg/L)	Cd – 4B; As – 5.8B; Pb – 283; Ba - 364	Ba – 154B; Pb – 7.7B
CN, total (mg/kg)	ND	ND
CN, reactive (mg/kg)	ND	ND
Sulfide, reactive (mg/kg)	27	2.3
Sulfur, (%)	<0.05	<0.05

Analysis	SD-09	TP-02
GC/FID Fingerprint	Coal tar/fuel hydrocarbon ranges	Coal tar pattern

Based on these results, no concentrations were observed to exceed TCLP maximum contaminant concentrations for the toxicity characteristic, and fingerprinting results indicate (at a minimum) the hydrocarbon ranges/pattern in the samples exhibit those similar to the coal tar reference standard.

4.2 POTENTIOMETRIC SURFACE EVALUATION

The microwell survey and depth to water measurements were designed to estimate the groundwater depths and flow direction at the site. Microwell survey and water elevation data are presented in Table 3.1. Depth to water across the survey area varied from approximately 2.3 feet bgs to 4.5 feet bgs in the microwells. Relative groundwater elevations varied from 92.70 feet to 94.28 feet referenced to a site datum of 100 feet. Water encountered in the test pits also varied from approximately two to nine feet bgs. The ground surface at the site slopes in a southern direction towards the soccer field and in a northern direction towards Brandy Brook. Groundwater flow direction(s) at the site are inconclusive at this time; however the groundwater elevation data gathered during the SC indicate there may be a potential groundwater divide across the site. There is a small pond (approximately 2 acres) located approximately 800 feet south of the Site (directly south of the soccer field). This pond and Brandy Brook may both have influences on groundwater flow directions from the Site. Additionally, depth to groundwater observed in test pits varied from approximately two to nine feet bgs. This may also indicate the potential for perched water conditions in portions of the Site.

4.0 FIELD INVESTIGATION RESULTS

This section presents results of the laboratory analyses for soil, groundwater, and sediment samples collected during Tasks 2 through 5, as well as results of the water level survey.

4.1 ANALYTICAL RESULTS

Soil, groundwater, and soil gas analytical results were compared to appropriate standards or guidelines:

- **Soil Samples.** Analytical results are compared to the Unrestricted Use Soil Cleanup Objectives in NYCRR Subpart 375-6.3(NYSDEC, 2006b).
- **Groundwater Samples.** Analytical results are compared to the NYS Class GA Groundwater Quality Standards, 6 NYCRR Part 703, (NYSDEC, 1999).
- **Sediment Samples.** Sediment sample results are compared to NYS Technical Guidance for Screening Contaminated Sediments (NYSDEC 1993, with updates).

In addition, results were compared to compounds typically present in MGP waste. Table 4.1 presents a list of these compounds. Reported concentrations of individual analytes indicating contravention of standards or guidelines are summarized in the following sections, and noted on Tables 4.2 through 4.6.

A Data Usability Summary Report was completed in accordance with the NYSDEC's Guidance for the Development of Data Usability Summary Reports (NYSDEC, 1997). This report and complete analytical results are presented in Appendix C. In general, results were determined usable for the purposes consistent with a Site Characterization.

4.1.1 Soil Sample Results

A summary of VOCs and SVOCs detected in soil samples (direct push borings and test pits) is presented in Table 4.2. A summary of pesticides, PCBs, and inorganics detected in soil samples is presented in Table 4.3. The table below shows which locations were observed to contain MGP related VOCs and/or SVOCs in excess of NYS standards.

Soil Sample Location ID	MGP-Related VOCs	MGP-Related SVOCs
GS-01	-	-
GS-02	-	√
GS-03	-	√
GS-04	-	-
GS-05	√	√
GS-06	√	√
GS-07	-	-
GS-08	-	√
GS-09	-	√
GS-10	√	√
GS-11	-	-
GS-12	-	-
GS-13	-	-
GS-14	-	-
GS-15	-	-
GS-16	-	-
TP-01	-	√
TP-02	√	√
TP-03	-	√
TP-04	-	-
TP-05	-	√

√ = MGP-Related Compound(s) present above NYS Class GA Standard(s)
- = MGP-Related Compound(s) NOT present above NYS Class GA Standard(s)

VOCs were detected in several soil samples above the NYSDEC Soil Cleanup Objectives. Typical MGP related VOC contaminants benzene, toluene, naphthalene, ethyl benzene, and xylene were detected in nearly all sample locations within the perimeter fence as well as location GS-10 and GS-11 located north outside of the property fence. MGP related SVOCs were detected in excess of soil cleanup objectives in all but eight locations.

Soil samples were analyzed for pesticides, PCBs, and inorganics at five locations. Detections of at least three pesticide compounds were detected above soil clean-up levels at four of five locations. Detections of at least one inorganic analyte were also detected above soil clean-up levels at four of five locations (See Table 4.3).

4.1.2 Groundwater Sample Results

A summary of compounds detected in groundwater grab samples is presented in Table 4.4. Groundwater grab samples were collected from 12 of the 16 direct push exploration locations.

The table below shows which locations were observed to contain MGP-related VOCs and/or SVOCs in excess of NYS Class GA groundwater standards.

Groundwater Grab Location ID	MGP-Related VOCs	MGP-Related SVOCs
GS-01	NS	NS
GS-02	√	√
GS-03	NS	NS
GS-04	NS	NS
GS-05	√	NT
GS-06	√	√
GS-07	-	-
GS-08	√	√
GS-09	√	-
GS-10	√	√
GS-11	√	-
GS-12	-	-
GS-13	-	-
GS-14	√	-
GS-15	-	-
GS-16	NS	NS

NS = Not Sampled
NT = Not Tested
√ = MGP-Related Compound(s) present above NYS Class GA Standard(s)
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VOC contaminants likely related to MGP wastes were detected above NYS Class GA groundwater standards at 8 of 12 locations tested. Naphthalene was detected below groundwater standards at locations GS-07 and GS-12 and VOCs were not detected at locations GS-13 or GS-15.

MGP related SVOC compounds were detected above groundwater standards at 7 of 11 locations analyzed. Only one exceedance (Phenol 3J ug/L) was reported at the GS-14 location. No exceedances of MGP-related VOCs or SVOCs groundwater standards were reported at locations GS-07, GS-12, GS-13, and GS-15.

Groundwater grab samples for pesticide and inorganic analysis were submitted from three locations, GS-06, GS-07, and GS-12. One pesticide (4,4-DDD 0.53J ug/L) was detected above groundwater standards at the GS-06 location. Inorganics were detected above groundwater standards at all locations including iron in all three locations, manganese at two locations (GS-06, GS-12), and selenium (GS-07), lead (GS-06), and thallium (GS-06) at one location each.

4.1.3 Sediment Sample Results

A summary of compounds detected in sediment samples is presented in Tables 4.5 (Brandy Brook) and 4.6 (Pontiac Bay, Lake Flower).

As shown in Table 4.5, MGP-related VOCs and SVOCs were detected at concentrations in excess of sediment screening criteria in all locations adjacent and downstream from the Payeville Road site, with the highest concentrations detected in the sample from location SD-06.

Results for the lake bottom sediment samples collected from the Pontiac Bay locations also showed evidence of MGP-related VOCs and SVOCs, with the highest concentrations detected in the sample collected from locations SD-09 and SD-12.

4.1.4 Waste Characterization Results

MPG-related waste samples from two locations (TP-02 and SD-09) were collected for waste characterization analyses (see appendix C). The sample analysis included full suite toxicity characteristic leaching procedure (TCLP), reactivity, percent sulfur, cyanide, and GC/FID fingerprinting. A summary of results is tabulated below:

Analysis	SD-09	TP-02
TCLP VOCs (µg/L)	ND	Benzene – 2J µg/L
TCLP SVOCs (µg/L)	ND	ND
TCLP Herb/Pest (µg/L)	ND	ND
TCLP Metals (µg/L)	Cd – 4B; As – 5.8B; Pb – 283; Ba - 364	Ba – 154B; Pb – 7.7B
CN, total (mg/kg)	ND	ND
CN, reactive (mg/kg)	ND	ND
Sulfide, reactive (mg/kg)	27	2.3
Sulfur, (%)	<0.05	<0.05
GC/FID Fingerprint	Coal tar/fuel hydrocarbon ranges	Coal tar pattern

Based on these results, no concentrations were observed to exceed TCLP maximum contaminant concentrations for the toxicity characteristic, and fingerprinting results indicate (at a minimum) the hydrocarbon ranges/pattern in the samples exhibit those similar to the coal tar reference standard.

4.2 POTENTIOMETRIC SURFACE EVALUATION

The microwell survey and depth to water measurements were designed to estimate the groundwater depths and flow direction at the site. Microwell survey and water elevation data are presented in Table 3.1. Depth to water across the survey area varied from approximately 2.3 feet bgs to 4.5 feet bgs in the microwells. Relative groundwater elevations varied from 92.70 feet to 94.28 feet referenced to a site datum of 100 feet. Water encountered in the test pits also varied from approximately two to nine feet bgs. The ground surface at the site slopes in a southern direction towards the soccer field and in a northern direction towards Brandy Brook. Groundwater flow direction(s) at the site are inconclusive at this time; however the groundwater elevation data gathered during the SC indicate there may be a potential groundwater divide across the site. There is a small pond (approximately 2 acres) located approximately 800 feet south of the Site (directly south of the soccer field). This pond and Brandy Brook may both have influences on groundwater flow directions from the Site. Additionally, depth to groundwater observed in test pits varied from approximately two to nine feet bgs. This may also indicate the potential for perched water conditions in portions of the Site.

5.0 INVESTIGATION FINDINGS

A review of physical and chemical data collected during the SC resulted in the following findings:

- Field observations from test pits and direct push soil borings indicate the presence of MGP-related waste on site, including wood debris and fibers (purifier waste), tar-like and oily residues, elevated PID readings, strong MGP-related odors, and "Prussian blue" sheens.
- VOC and SVOC contaminants commonly found in MGP waste were detected in soils at several locations across the site at levels exceeding NYS Unrestricted use soil clean-up objectives.
- VOC and SVOC contaminants commonly found in MGP waste have been detected in groundwater at several locations across the site at levels exceeding NYS Class GA groundwater quality.
- Field observations made during sediment sampling indicate that MGP waste has migrated downgradient along Brandy Brook to Pontiac Bay of Lake Flower. Observations include sheens on sediments and strong MGP-like odors from sediments. The odors and sheens were not detected in upstream sediment samples.
- VOC and SVOC contaminants related to MGP waste have been detected in sediments at several locations down gradient from the site along the course of the Brandy Brook stream channel and into Pontiac Bay of Lake.
- Waste samples collected during test pitting and sediment collection activities did not exhibit toxicity characteristics.

Data Gaps. Based on the SC, the following data gaps have been identified:

- Groundwater flow at the site has not been clearly defined. Although flow at the northern portion of the site appears to be to the north likely discharging to Brandy Brook, there may be a groundwater divide across the site with a component of flow in the south end of the site to the south towards the topographic low areas around the soccer field.
- Extent of soil and groundwater contamination at the Site has not been defined.
- Extent of groundwater contamination migrating off-Site is unknown.

- Extent of sediment contamination is unknown in Lake Flower.
- Potential soil vapor issues associated with MGP-related contaminants adjacent to the Site have not been evaluated.
- Water supply source for residential dwellings located in close proximity to the site is unknown.
- The source of pesticides and metals in groundwater above NYS standards has not been fully evaluated as the focus on this SC was to determine if the MGP waste is present/source of contamination at the site.

6.0 REFERENCES

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TABLES

Table 3.1
Summary of Elevation Data

Location	Instrument Reading (ft)	Height of Instrument	Spot Elevation (feet)	Water Levels 5/4/2007 (ft TOR)	Water Depth (feet bgs)	Water Elevation (feet)
GS-02 (top of pvc)	5.42	102.57	97.15	4.45	4.45	92.70
GS-11 (top of pvc)	6.94	102.57	95.63	2.34	2.34	93.29
GS-12 (ground surface)	6.37	102.57	96.20	NA	NA	NA
GS-12 (top of pvc)	4.16	102.57	98.41	5.4	3.19	93.01
GS-14 (top of pvc)	5.91	102.57	96.66	2.38	2.38	94.28
Temp. Bench Mark	2.57	102.57	NA	NA	NA	NA

Prepared by: JKR
Checked by: JPC/JWP

Temporary Bench Mark (TBM) is paint spot on concrete floor of building in front of wooden support pillar.
TBM = 100.00 feet (arbitrary site datum)
NA = Not Applicable

Table 4.1
MGP-Related Contaminants of Concern

Volatile Aromatics
Benzene
Ethyl benzene
Naphthalene
Toluene
o-Xylene
Xylene, m/p
Xylenes, Total
Phenolics
Phenol
2-Methylphenol
4-Methylphenol
2,4-Dimethylphenol
Semi-Volatile Oraganics - Polycyclic Aromatic Hydrocarbons (PAHs)
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Chrysene
Dibenz(a,h)anthracene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
2-Methylnaphthalene
Naphthalene
Phenanthrene
Pyrene
Others
Cyanide, Total

Source: "Contamination at MGP Sites" , New York State Departmemt of Environmental Conservervation; http://www.dec.ny.gov/chemical/29422.html

Table 4.2
VOCs and SVOCs Detected in Soil Samples

Parameter	Unrestricted Use Soil Cleanup Objective (6 NYCRR Subpart 375-6)	Location	GS-01	GS-02	GS-03	GS-03
		Sample Date	5/1/2007	5/1/2007	5/1/2007	5/1/2007
		Sample ID	SLGS00101SCXX	SLGS00204SCXX	SLGS00303SCXD	SLGS00303SCXX
		Task Name	SC	SC	SC	SC
		QC Code	FS	FS	FD	FS
		Units				
1,2,4-Trimethylbenzene	3600	UG/KG	4 U	3 U	2 J	4 UJ
1,3,5-Trimethylbenzene	8400	UG/KG	4 U	3 U	1 J	4 UJ
4-iso-Propyltoluene	NA	UG/KG	4 U	3 U	4 UJ	4 UJ
Acetone	50	UG/KG	R	68 J	30 J	R
Benzene	60	UG/KG	4 U	9	4 J	4 UJ
Chloroform	370	UG/KG	4 U	3 U	4 UJ	3 J
Ethyl benzene	1000	UG/KG	4 U	3 U	1 J	4 UJ
Isopropylbenzene	NA	UG/KG	4 U	3 U	4 UJ	2 UJ
Methylene chloride	50	UG/KG	4 U	3 U	4 UJ	30 J
n-Butylbenzene	12000	UG/KG	4 UJ	3 UJ	4 UJ	4 UJ
Naphthalene	12000	UG/KG	2 J	4	41 J	8 UJ
o-Xylene	260a	UG/KG	4 U	3 U	4 UJ	4 UJ
Propylbenzene	3900	UG/KG	4 U	3 U	4 UJ	4 UJ
sec-Butylbenzene	11000	UG/KG	4 U	3 U	4 UJ	4 UJ
Styrene	NA	UG/KG	4 U	3 U	4 UJ	4 UJ
Toluene	700	UG/KG	4 U	3 U	1 J	4 UJ
Xylene, m/p	260a	UG/KG	4 U	3 U	2 J	4 UJ
Xylenes, Total	260	UG/KG	4 U	3 U	2 J	4 UJ
2-Methylnaphthalene	NA	UG/KG	390 U	3400	1300 J	1900 J
4-Methylphenol	NA	UG/KG	390 U	2000 U	1900 UJ	3900 UJ
Acenaphthene	20000	UG/KG	390 U	**30000**	5300 J	5400 J
Acenaphthylene	100000	UG/KG	56 J	25000 D	12000 J	13000 J
Anthracene	100000	UG/KG	390 U	24000	8500 J	14000 J
Benzo(a)anthracene	1000	UG/KG	160 J	**69000** D	**12000** J	**17000** J
Benzo(a)pyrene	1000	UG/KG	120 J	**88000** D	**26000** J	**34000** J
Benzo(b)fluoranthene	1000	UG/KG	180 J	**72000** D	**22000** J	**27000** J
Benzo(ghi)perylene	100000	UG/KG	140 J	54000 D	20000 J	24000 J
Benzo(k)fluoranthene	800	UG/KG	70 J	**32000** D	**8600** J	**12000** J
Carbazole	NA	UG/KG	390 U	2000 U	1900 UJ	3900 UJ
Chrysene	1000	UG/KG	180 J	**72000** D	**16000** J	**23000** J
Dibenz(a,h)anthracene	330	UG/KG	390 U	**10000**	**2900** J	**3200** J
Dibenzofuran	NA	UG/KG	390 U	2000 U	380 J	460 J
Fluoranthene	100000	UG/KG	190 J	**190000** D	27000 J	44000 J
Fluorene	30000	UG/KG	390 U	20000	4700 J	6300 J
Indeno(1,2,3-cd)pyrene	500	UG/KG	100 J	**36000** D	**14000** J	**16000** J
Naphthalene	12000	UG/KG	390 U	10000	1100 J	1700 J
Phenanthrene	100000	UG/KG	53 J	85000 D	25000 J	41000 J
Pyrene	100000	UG/KG	310 J	**270000** D	30000 J	57000 J

Notes:

30000 = value exceeds numerical criterion

a = criterion for xylenes, total

NA = not applicable

UG/KG = micrograms per kilogram

B (Metals) = The reported result fell above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL)

B (Organics) = Analyte was detected in the method blank.

D = Analyte quantified in an analysis performed at a secondary dilution factor.

J = Result is estimated.

R = Sample was rejected.

U = Not detected at a concentration greater than the reporting limit.

SC = Site Characterization

FS = field sample

FD = field duplicate sample

Blank Space = not tested.

Table 4.2
VOCs and SVOCs Detected in Soil Samples

Parameter	Unrestricted Use Soil Cleanup Objective (6 NYCRR Subpart 375-6)	Location	GS-04	GS-05	GS-06	GS-07
		Sample Date	5/1/2007	5/1/2007	5/1/2007	5/1/2007
		Sample ID	SLGS00403SCXX	SLGS00503SCXX	SLGS00607SCXX	SLGS00707SCXX
		Task Name	SC	SC	SC	SC
		QC Code	FS	FS	FS	FS
		Units				
1,2,4-Trimethylbenzene	3600	UG/KG	4 U	**18000 J**	**60000 J**	2 J
1,3,5-Trimethylbenzene	8400	UG/KG	4 U	7000 J	130000 U	4 U
4-iso-Propyltoluene	NA	UG/KG	4 U	22000 U	130000 U	4 U
Acetone	50	UG/KG	R	R	R	28 J
Benzene	60	UG/KG	4 U	22000 U	**67000 J**	4 U
Chloroform	370	UG/KG	4 U	22000 U	130000 U	4 U
Ethyl benzene	1000	UG/KG	4 U	**7400 J**	**100000 J**	4 U
Isopropylbenzene	NA	UG/KG	4 U	22000 U	130000 U	4 U
Methylene chloride	50	UG/KG	4 U	22000 UJ	130000 UJ	1 J
n-Butylbenzene	12000	UG/KG	4 U	22000 U	130000 U	4 U
Naphthalene	12000	UG/KG	28 B	**500000 B**	**3300000 B**	42 B
o-Xylene	260a	UG/KG	4 U	5800 J	42000 J	4 U
Propylbenzene	3900	UG/KG	4 U	22000 U	130000 U	4 U
sec-Butylbenzene	11000	UG/KG	4 U	22000 U	130000 U	4 U
Styrene	NA	UG/KG	4 U	22000 U	73000 J	4 U
Toluene	700	UG/KG	4 U	22000 U	**160000**	4 U
Xylene, m/p	260a	UG/KG	4 U	11000 J	100000 J	4 U
Xylenes, Total	260	UG/KG	4 U	**17000 J**	**140000**	4 U
2-Methylnaphthalene	NA	UG/KG	380 U	160000	780000 D	450 U
4-Methylphenol	NA	UG/KG	380 U	18000 U	750 J	450 U
Acenaphthene	20000	UG/KG	380 U	**82000**	**200000 D**	450 U
Acenaphthylene	100000	UG/KG	380 U	**110000**	**600000 D**	69 J
Anthracene	100000	UG/KG	380 U	69000	**180000 DJ**	120 J
Benzo(a)anthracene	1000	UG/KG	380 U	**120000**	**140000 DJ**	190 J
Benzo(a)pyrene	1000	UG/KG	380 U	**160000**	**110000 DJ**	160 J
Benzo(b)fluoranthene	1000	UG/KG	380 U	**120000**	**86000 DJ**	120 J
Benzo(ghi)perylene	100000	UG/KG	380 U	90000	62000 EJ	140 J
Benzo(k)fluoranthene	800	UG/KG	380 U	**55000**	**31000**	66 J
Carbazole	NA	UG/KG	380 U	18000 U	5500	450 U
Chrysene	1000	UG/KG	380 U	**110000**	**110000 DJ**	140 J
Dibenz(a,h)anthracene	330	UG/KG	380 U	**14000 J**	**10000**	450 U
Dibenzofuran	NA	UG/KG	380 U	7100 J	35000	450 U
Fluoranthene	100000	UG/KG	380 U	**220000**	**430000 D**	360 J
Fluorene	30000	UG/KG	380 U	**69000**	**280000 D**	450 U
Indeno(1,2,3-cd)pyrene	500	UG/KG	380 U	**61000**	**39000 DJ**	90 J
Naphthalene	12000	UG/KG	380 U	**240000**	**2400000 D**	450 U
Phenanthrene	100000	UG/KG	380 U	**210000**	**1100000 D**	400 J
Pyrene	100000	UG/KG	380 U	**260000**	**610000 D**	620

Notes:

30000 = value exceeds numerical criterion

a = criterion for xylenes, total

NA = not applicable

UG/KG = micrograms per kilogram

B (Metals) = The reported result fell above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL)

B (Organics) = Analyte was detected in the method blank.

D = Analyte quantified in an analysis performed at a secondary dilution factor.

J = Result is estimated.

R = Sample was rejected.

U = Not detected at a concentration greater than the reporting limit.

SC = Site Characterization

FS = field sample

FD = field duplicate sample

Blank Space = not tested.

Table 4.2
VOCs and SVOCs Detected in Soil Samples

Parameter	Unrestricted Use Soil Cleanup Objective (6 NYCRR Subpart 375-6)	Location	GS-08	GS-09	GS-10	GS-11
		Sample Date	5/1/2007	5/1/2007	5/2/2007	5/2/2007
		Sample ID	SLGS00810SCXX	SLGS00902SCXX	SLGS01006SCXX	SLGS01106SCXX
		Task Name	SC	SC	SC	SC
		QC Code	FS	FS	FS	FS
		Units				
1,2,4-Trimethylbenzene	3600	UG/KG	160 J	7 U	**21000** J	1 J
1,3,5-Trimethylbenzene	8400	UG/KG	80 J	7 U	**9800** J	4 U
4-iso-Propyltoluene	NA	UG/KG	260 U	7 U	21000 U	4 U
Acetone	50	UG/KG	R	R	21000 U	20 U
Benzene	60	UG/KG	260 UJ	7 U	21000 U	4 U
Chloroform	370	UG/KG	260 U	7 U	21000 U	4 U
Ethyl benzene	1000	UG/KG	260 U	7 U	**30000**	4 U
Isopropylbenzene	NA	UG/KG	260 U	7 U	21000 U	4 U
Methylene chloride	50	UG/KG	260 U	2 J	**4400** J	2 J
n-Butylbenzene	12000	UG/KG	260 U	7 U	21000 U	4 U
Naphthalene	12000	UG/KG	7800 J	38 B	**510000**	23 B
o-Xylene	260a	UG/KG	260 U	7 U	7500 J	4 U
Propylbenzene	3900	UG/KG	260 U	7 U	21000 U	4 U
sec-Butylbenzene	11000	UG/KG	260 U	7 U	21000 U	4 U
Styrene	NA	UG/KG	260 U	7 U	21000 U	4 U
Toluene	700	UG/KG	260 U	7 U	**8200** J	4 U
Xylene, m/p	260a	UG/KG	90 J	7 U	19000 J	4 U
Xylenes, Total	260	UG/KG	90 J	7 U	**26000**	4 U
2-Methylnaphthalene	NA	UG/KG	61000	1500 J	210000 D	400 U
4-Methylphenol	NA	UG/KG	4200 U	1900 U	7900 U	400 U
Acenaphthene	20000	UG/KG	**24000**	2900	14000	400 U
Acenaphthylene	100000	UG/KG	22000	4400	**110000**	400 U
Anthracene	100000	UG/KG	20000	7200	58000	400 U
Benzo(a)anthracene	1000	UG/KG	**8700**	**13000**	**30000**	400 U
Benzo(a)pyrene	1000	UG/KG	**6600**	**16000**	**25000**	400 U
Benzo(b)fluoranthene	1000	UG/KG	**5000**	**13000**	**17000**	400 U
Benzo(ghi)perylene	100000	UG/KG	3200 J	9300	10000	400 U
Benzo(k)fluoranthene	800	UG/KG	**1600** J	**4800**	**6200** J	400 U
Carbazole	NA	UG/KG	4200 U	1900 U	7900 U	400 U
Chrysene	1000	UG/KG	**6100**	**12000**	**21000**	400 U
Dibenz(a,h)anthracene	330	UG/KG	**580** J	**1500** J	**1900** J	400 U
Dibenzofuran	NA	UG/KG	1400 J	1900 U	7900 U	400 U
Fluoranthene	100000	UG/KG	20000	20000	58000	400 U
Fluorene	30000	UG/KG	18000	2200	**56000**	400 U
Indeno(1,2,3-cd)pyrene	500	UG/KG	**2100** J	**6400**	**6900** J	400 U
Naphthalene	12000	UG/KG	**72000** D	560 J	**140000** D	78 J
Phenanthrene	100000	UG/KG	54000	10000	**180000** D	400 U
Pyrene	100000	UG/KG	32000	28000	92000	400 U

Notes:

30000 = value exceeds numerical criterion

a = criterion for xylenes, total

NA = not applicable

UG/KG = micrograms per kilogram

B (Metals) = The reported result fell above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL)

B (Organics) = Analyte was detected in the method blank.

D = Analyte quantified in an analysis performed at a secondary dilution factor.

J = Result is estimated.

R = Sample was rejected.

U = Not detected at a concentration greater than the reporting limit.

SC = Site Characterization

FS = field sample

FD = field duplicate sample

Blank Space = not tested.

Table 4.2
VOCs and SVOCs Detected in Soil Samples

Parameter	Unrestricted Use Soil Cleanup Objective (6 NYCRR Subpart 375-6)	Location	GS-12	GS-13	GS-14	GS-15
		Sample Date	5/2/2007	5/2/2007	5/2/2007	5/2/2007
		Sample ID	SLGS01203SCXX	SLGS01310SCXX	SLGS01403SCXX	SLGS01502SCXX
		Task Name	SC	SC	SC	SC
		QC Code	FS	FS	FS	FS
		Units				
1,2,4-Trimethylbenzene	3600	UG/KG	4 U	4 U	3 U	4 U
1,3,5-Trimethylbenzene	8400	UG/KG	4 U	4 U	3 U	4 U
4-iso-Propyltoluene	NA	UG/KG	4 U	4 U	3 U	4 U
Acetone	50	UG/KG	4 U	4 U	3 U	16 U
Benzene	60	UG/KG	4 U	4 U	3 U	4 U
Chloroform	370	UG/KG	4 U	4 U	2 J	4 U
Ethyl benzene	1000	UG/KG	4 U	4 U	3 U	4 U
Isopropylbenzene	NA	UG/KG	4 U	4 U	3 UJ	4 U
Methylene chloride	50	UG/KG	4 U	1 J	1 J	4 U
n-Butylbenzene	12000	UG/KG	4 U	4 U	3 U	4 U
Naphthalene	12000	UG/KG	4 U	4 U	3 U	4 U
o-Xylene	260a	UG/KG	4 U	4 U	3 U	4 U
Propylbenzene	3900	UG/KG	4 U	4 U	3 U	4 U
sec-Butylbenzene	11000	UG/KG	4 U	4 U	3 U	4 U
Styrene	NA	UG/KG	4 U	4 U	3 U	4 U
Toluene	700	UG/KG	4 U	4 U	3 U	4 U
Xylene, m/p	260a	UG/KG	4 U	4 U	3 UJ	4 U
Xylenes, Total	260	UG/KG	4 U	4 U	3 UJ	4 U
2-Methylnaphthalene	NA	UG/KG	49 J	370 U	110 J	440 U
4-Methylphenol	NA	UG/KG	430 U	370 U	410 U	440 U
Acenaphthene	20000	UG/KG	430 U	370 U	410 U	440 U
Acenaphthylene	100000	UG/KG	78 J	40 J	1300	440 U
Anthracene	100000	UG/KG	430 U	370 U	230 J	440 U
Benzo(a)anthracene	1000	UG/KG	430 U	370 U	110 J	50 J
Benzo(a)pyrene	1000	UG/KG	430 U	370 U	430	440 U
Benzo(b)fluoranthene	1000	UG/KG	430 U	370 U	250 J	55 J
Benzo(ghi)perylene	100000	UG/KG	430 U	370 U	890	440 U
Benzo(k)fluoranthene	800	UG/KG	430 U	370 U	74 J	440 U
Carbazole	NA	UG/KG	430 U	370 U	410 U	440 U
Chrysene	1000	UG/KG	430 U	370 U	200 J	440 U
Dibenz(a,h)anthracene	330	UG/KG	430 U	370 U	120 J	440 U
Dibenzofuran	NA	UG/KG	430 U	370 U	410 U	440 U
Fluoranthene	100000	UG/KG	430 U	43 J	130 J	51 J
Fluorene	30000	UG/KG	430 U	370 U	120 J	440 U
Indeno(1,2,3-cd)pyrene	500	UG/KG	430 U	370 U	**570**	440 U
Naphthalene	12000	UG/KG	430 U	370 U	410 U	440 U
Phenanthrene	100000	UG/KG	90 J	72 J	140 J	440 U
Pyrene	100000	UG/KG	71 J	88 J	250 J	77 J

Notes:

30000 = value exceeds numerical criterion

a = criterion for xylenes, total

NA = not applicable

UG/KG = micrograms per kilogram

B (Metals) = The reported result fell above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL)

B (Organics) = Analyte was detected in the method blank.

D = Analyte quantified in an analysis performed at a secondary dilution factor.

J = Result is estimated.

R = Sample was rejected.

U = Not detected at a concentration greater than the reporting limit.

SC = Site Characterization

FS = field sample

FD = field duplicate sample

Blank Space = not tested.

Table 4.2
VOCs and SVOCs Detected in Soil Samples

Parameter	Unrestricted Use Soil Cleanup Objective (6 NYCRR Subpart 375-6)	Location	GS-16	TP-01	TP-02	TP-03
		Sample Date	5/1/2007	4/30/2007	4/30/2007	4/30/2007
		Sample ID	SLGS01611SCXX	SLTP00106SCXX	SLTP00203SCXX	SLTP00309SCXX
		Task Name	SC	SC	SC	SC
		QC Code	FS	FS	FS	FS
		Units				
1,2,4-Trimethylbenzene	3600	UG/KG	4 U	2200	**7900 J**	10
1,3,5-Trimethylbenzene	8400	UG/KG	4 U	1800	21000 U	14
4-iso-Propyltoluene	NA	UG/KG	4 U	1200	21000 U	4 U
Acetone	50	UG/KG	R	R	R	R
Benzene	60	UG/KG	4 U	450 U	21000 U	4 U
Chloroform	370	UG/KG	4 U	450 U	21000 U	4 U
Ethyl benzene	1000	UG/KG	4 U	140 J	21000 U	0.8 J
Isopropylbenzene	NA	UG/KG	4 U	260 J	21000 U	4 U
Methylene chloride	50	UG/KG	4 U	450 UJ	21000 UJ	4 U
n-Butylbenzene	12000	UG/KG	4 UJ	1900	21000 U	3 J
Naphthalene	12000	UG/KG	6	9500 B	**440000**	39 B
o-Xylene	260a	UG/KG	4 U	160 J	21000 U	24
Propylbenzene	3900	UG/KG	4 U	280 J	21000 U	4 U
sec-Butylbenzene	11000	UG/KG	4 U	170 J	21000 U	4 U
Styrene	NA	UG/KG	4 U	450 U	21000 U	3 J
Toluene	700	UG/KG	4 U	450 U	21000 U	2 J
Xylene, m/p	260a	UG/KG	4 U	360 J	6300 J	8
Xylenes, Total	260	UG/KG	4 U	**510**	**6300 J**	33
2-Methylnaphthalene	NA	UG/KG	340 U	54000 D	110000 D	6000 J
4-Methylphenol	NA	UG/KG	340 U	400 U	2100 U	8000 U
Acenaphthene	20000	UG/KG	340 U	**32000** D	**27000** DJ	6400 J
Acenaphthylene	100000	UG/KG	340 U	4700 J	86000 D	42000
Anthracene	100000	UG/KG	340 U	5900 J	36000 DJ	29000
Benzo(a)anthracene	1000	UG/KG	340 U	**4000**	**18000**	**32000**
Benzo(a)pyrene	1000	UG/KG	340 U	**4700 J**	**29000**	**33000**
Benzo(b)fluoranthene	1000	UG/KG	340 U	**3400 J**	**19000**	**22000**
Benzo(ghi)perylene	100000	UG/KG	340 U	3100 J	30000	14000
Benzo(k)fluoranthene	800	UG/KG	340 U	**2000 J**	**13000**	**12000**
Carbazole	NA	UG/KG	340 U	400 UJ	360 J	8000 U
Chrysene	1000	UG/KG	340 U	**4100**	**20000**	**28000**
Dibenz(a,h)anthracene	330	UG/KG	340 U	**490 J**	**4200**	**2700 J**
Dibenzofuran	NA	UG/KG	340 U	2200	3500	8000 U
Fluoranthene	100000	UG/KG	340 U	5600 J	60000 DJ	65000
Fluorene	30000	UG/KG	340 U	14000 D	**34000** DJ	20000
Indeno(1,2,3-cd)pyrene	500	UG/KG	340 U	**1800 J**	**18000**	**9900**
Naphthalene	12000	UG/KG	340 U	5600 DJ	**640000** D	900 J
Phenanthrene	100000	UG/KG	340 U	56000 D	**130000** D	24000
Pyrene	100000	UG/KG	340 U	28000 D	90000 D	86000

Notes:

30000 = value exceeds numerical criterion

a = criterion for xylenes, total

NA = not applicable

UG/KG = micrograms per kilogram

B (Metals) = The reported result fell above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL)

B (Organics) = Analyte was detected in the method blank.

D = Analyte quantified in an analysis performed at a secondary dilution factor.

J = Result is estimated.

R = Sample was rejected.

U = Not detected at a concentration greater than the reporting limit.

SC = Site Characterization

FS = field sample

FD = field duplicate sample

Blank Space = not tested.

Table 4.2
VOCs and SVOCs Detected in Soil Samples

Parameter	Unrestricted Use Soil Cleanup Objective (6 NYCRR Subpart 375-6)	Location	TP-04	TP-04	TP-05
		Sample Date	4/30/2007	4/30/2007	4/30/2007
		Sample ID	SLTP00406SCXD	SLTP00406SCXX	SLTP00502SCXX
		Task Name	SC	SC	SC
		QC Code	FD	FS	FS
		Units			
1,2,4-Trimethylbenzene	3600	UG/KG	4 UJ	4 UJ	2 J
1,3,5-Trimethylbenzene	8400	UG/KG	4 UJ	4 UJ	2 J
4-iso-Propyltoluene	NA	UG/KG	4 UJ	4 UJ	4 U
Acetone	50	UG/KG	4 UJ	R	R
Benzene	60	UG/KG	4 UJ	4 UJ	10 J
Chloroform	370	UG/KG	4 UJ	11 J	4 U
Ethyl benzene	1000	UG/KG	4 UJ	4 UJ	4 U
Isopropylbenzene	NA	UG/KG	4 UJ	4 UJ	4 UJ
Methylene chloride	50	UG/KG	4 UJ	4 J	4 U
n-Butylbenzene	12000	UG/KG	4 UJ	4 UJ	2 J
Naphthalene	12000	UG/KG	4 UJ	4 UJ	12 J
o-Xylene	260a	UG/KG	4 UJ	4 UJ	4 U
Propylbenzene	3900	UG/KG	4 UJ	4 UJ	4 UJ
sec-Butylbenzene	11000	UG/KG	4 UJ	4 UJ	4 UJ
Styrene	NA	UG/KG	4 UJ	4 UJ	4 U
Toluene	700	UG/KG	2 J	4 UJ	6 J
Xylene, m/p	260a	UG/KG	2 J	4 UJ	2 J
Xylenes, Total	260	UG/KG	2 J	4 UJ	2 J
2-Methylnaphthalene	NA	UG/KG	390 UJ	380 UJ	9200
4-Methylphenol	NA	UG/KG	390 UJ	380 UJ	260 J
Acenaphthene	20000	UG/KG	390 UJ	380 UJ	2400
Acenaphthylene	100000	UG/KG	390 UJ	380 UJ	79000 D
Anthracene	100000	UG/KG	390 UJ	380 UJ	29000
Benzo(a)anthracene	1000	UG/KG	390 UJ	380 UJ	**57000** D
Benzo(a)pyrene	1000	UG/KG	390 UJ	380 UJ	**120000** D
Benzo(b)fluoranthene	1000	UG/KG	390 UJ	380 UJ	**130000** D
Benzo(ghi)perylene	100000	UG/KG	390 UJ	64 J	**110000** D
Benzo(k)fluoranthene	800	UG/KG	390 UJ	380 UJ	**64000** D
Carbazole	NA	UG/KG	390 UJ	380 UJ	880 J
Chrysene	1000	UG/KG	390 UJ	380 UJ	**62000** D
Dibenz(a,h)anthracene	330	UG/KG	390 UJ	380 UJ	**26000**
Dibenzofuran	NA	UG/KG	390 UJ	380 UJ	2000 U
Fluoranthene	100000	UG/KG	390 UJ	380 UJ	84000 D
Fluorene	30000	UG/KG	390 UJ	380 UJ	13000
Indeno(1,2,3-cd)pyrene	500	UG/KG	390 UJ	380 UJ	**71000** D
Naphthalene	12000	UG/KG	390 UJ	380 UJ	**16000**
Phenanthrene	100000	UG/KG	390 UJ	380 UJ	47000 D
Pyrene	100000	UG/KG	390 UJ	380 UJ	**160000** D

Prepared by: BJS
Checked by: JKR/JPC

Notes:

30000 = value exceeds numerical criterion

a = criterion for xylenes, total

NA = not applicable

UG/KG = micrograms per kilogram

B (Metals) = The reported result fell above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL)

B (Organics) = Analyte was detected in the method blank.

D = Analyte quantified in an analysis performed at a secondary dilution factor.

J = Result is estimated.

R = Sample was rejected.

U = Not detected at a concentration greater than the reporting limit.

SC = Site Characterization

FS = field sample

FD = field duplicate sample

Blank Space = not tested.

Table 4.3
Pesticides and Inorganics Detected in Soil Samples

Parameter	Unrestricted Use Soil Cleanup Objective (6 NYCRR Subpart 375-6)	Location / Sample Date / Sample ID / Task Name / QC Code / Units	GS-05 5/1/2007 SLGS00503SCXX SC FS	GS-06 5/1/2007 SLGS00607SCXX SC FS	GS-10 5/2/2007 SLGS01006SCXX SC FS
4,4`-DDD	3.3	UG/KG	**180** PNJ	24 U	**19**
4,4`-DDE	3.3	UG/KG	44 U	**36** PJ	**20** PJN
4,4`-DDT	3.3	UG/KG	**200** PJ	**140**	12 U
Alpha-Chlordane	94	UG/KG	23 U	12 U	9.8 PJN
Beta-BHC	36	UG/KG	23 U	18 PNJ	**57** PJ
Dieldrin	5	UG/KG	44 U	**52** PNJ	12 U
Endosulfan II	2400	UG/KG	78 PNJ	54 PNJ	12 U
Endosulfan sulfate	2400	UG/KG	44 U	24 U	18 PJN
Endrin	14	UG/KG	44 U	24 U	**19** J
Endrin aldehyde	NA	UG/KG	190 J	200 PNJ	38
Endrin ketone	NA	UG/KG	44 U	58 PNJ	12 U
Gamma-Chlordane	NA	UG/KG	23 U	41 PNJ	29 PJN
Heptachlor epoxide	NA	UG/KG	23 U	19 PNJ	33 J
Methoxychlor	NA	UG/KG	420	120 U	61 U
Aluminum	NA	MG/KG	3870	2970	2030
Antimony	NA	MG/KG	1.8 NJ	1 UJ	0.039 U
Arsenic	13	MG/KG	0.082 U	0.095 U	0.34 U
Barium	350	MG/KG	13.5	13.9	10.1
Beryllium	7.2	MG/KG	0.0065 U	0.0076 U	0.0042 U
Cadmium	2.5	MG/KG	0.63	0.11 B	0.15 B
Calcium	NA	MG/KG	3330	3080	604
Chromium	30	MG/KG	12.6	2.6	2.6
Cobalt	NA	MG/KG	2.4 B	0.72 B	1.6 B
Copper	50	MG/KG	28	2.8	1.5 U
Iron	NA	MG/KG	7460	2070	2280
Lead	63	MG/KG	12.3	1.3	1.9
Magnesium	NA	MG/KG	825	497	619
Manganese	1600	MG/KG	32	42.8	16.8
Mercury	0.18	MG/KG	0.0086 U	0.019 B	0.0069 U
Nickel	30	MG/KG	13.2	1.2 B	1.5 B
Potassium	NA	MG/KG	125	76.5	144
Selenium	3.9	MG/KG	3.4	0.53 B	0.046 U
Silver	2	MG/KG	**3.4**	0.54 U	0.018 U
Sodium	NA	MG/KG	43.8 B	20.4 B	21.7 B
Vanadium	NA	MG/KG	7	4.1	3.1
Zinc	109	MG/KG	**395**	9	28.6
Cyanide, Total	27	MG/KG	1.7	1.2 U	

Notes:
30000 = value exceeds numerical criterion
ug/Kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NA = not applicable
SC = Site Characterization
FS = Field Sample
FD = Field Duplicate
P = Pesticide/PCB target analyte is greater than 25% difference for the detected concentrations between the two GC columns
N = Matrix spike recovery associated with the sample was outside of QC limits
J = Result is estimated
U = Not detected at a concentration greater than the reporting limit
B (Metals) = The reported result fell above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit ((
Blank Space = not tested.

Table 4.3
Pesticides and Inorganics Detected in Soil Samples

Parameter	Unrestricted Use Soil Cleanup Objective (6 NYCRR Subpart 375-6)	Location / Sample Date / Sample ID / Task Name / QC Code / Units	TP-04 4/30/2007 SLTP00406SCXD SC FD	TP-04 4/30/2007 SLTP00406SCXX SC FS	TP-05 4/30/2007 SLTP00502SCXX SC FS
4,4`-DDD	3.3	UG/KG	4 UJ	3.9 UJ	**170 J**
4,4`-DDE	3.3	UG/KG	4 UJ	3.9 UJ	40 UJ
4,4`-DDT	3.3	UG/KG	4 UJ	3.9 UJ	**71 PJ**
Alpha-Chlordane	94	UG/KG	2 UJ	2 UJ	20 UJ
Beta-BHC	36	UG/KG	2 UJ	2 UJ	20 UJ
Dieldrin	5	UG/KG	4 UJ	3.9 UJ	40 UJ
Endosulfan II	2400	UG/KG	4 UJ	3.9 UJ	40 UJ
Endosulfan sulfate	2400	UG/KG	4 UJ	3.9 UJ	71 PJ
Endrin	14	UG/KG	4 UJ	3.9 UJ	40 UJ
Endrin aldehyde	NA	UG/KG	4 UJ	3.9 UJ	40 UJ
Endrin ketone	NA	UG/KG	4 UJ	3.9 UJ	110 PNJ
Gamma-Chlordane	NA	UG/KG	2 UJ	2 UJ	20 UJ
Heptachlor epoxide	NA	UG/KG	2 UJ	2 UJ	20 UJ
Methoxychlor	NA	UG/KG	20 UJ	20 UJ	200 UJ
Aluminum	NA	MG/KG	3710	3430	2580
Antimony	NA	MG/KG	0.68 UJ	0.9 UJ	1 UJ
Arsenic	13	MG/KG	0.23 U	0.5 U	**45.6**
Barium	350	MG/KG	14.4	15.1	37.2
Beryllium	7.2	MG/KG	0.0045 U	0.005 U	0.26 B
Cadmium	2.5	MG/KG	0.14 B	0.14 B	0.62
Calcium	NA	MG/KG	1350	1290	1940
Chromium	30	MG/KG	2.6	2.5	6.3
Cobalt	NA	MG/KG	1.3 B	1.3 B	0.55 B
Copper	50	MG/KG	1.8	1.8	28.9
Iron	NA	MG/KG	4730	4650	18100
Lead	63	MG/KG	2.3	2.6	**166**
Magnesium	NA	MG/KG	718	736	1120
Manganese	1600	MG/KG	34.6	37.2	58.2
Mercury	0.18	MG/KG	0.0074 U	0.0076 U	**0.25**
Nickel	30	MG/KG	2.3	2.2	5
Potassium	NA	MG/KG	172	176	194
Selenium	3.9	MG/KG	1.7	1.8	**10.5**
Silver	2	MG/KG	**3**	**2.9**	**8.3**
Sodium	NA	MG/KG	23.2 B	23.6 B	37.1 B
Vanadium	NA	MG/KG	8.4	8.2	6.7
Zinc	109	MG/KG	37.9	36.8	97.2
Cyanide, Total	27	MG/KG	**423**	0.99 U	12.9

Prepared by: BJS
Checked by: JKR/JPC

Notes:
30000 = value exceeds numerical criterion
ug/Kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NA = not applicable
SC = Site Characterization
FS = Field Sample
FD = Field Duplicate
P = Pesticide/PCB target analyte is greater than 25% difference for
N = Matrix spike recovery associated with the sample was outside
J = Result is estimated
U = Not detected at a concentration greater than the reporting limit
B (Metals) = The reported result fell above the Instrument Detecti CRDL
Blank Space = not tested.

Table 4.4
Compounds Detected in Groundwater Grab Samples

Parameter	NYS Class GA GW Quality Standard	Location Sample Date Sample ID Units	GS-02 5/1/2007 SLGW00211SCXX	GS-05 5/1/2007 SLGW00508SCXX	GS-06 5/1/2007 SLGW00608SCXX	GS-07 5/1/2007 SLGW00708SCXX	GS-08 5/1/2007 SLGW00812SCXX	GS-09 5/1/2007 SLGW00908SCXX	GS-10 5/2/2007 SLGW01007SCXX	GS-11 5/2/2007 SLGW01111SCXX
1,2,4-Trimethylbenzene	5	UG/L	**9 J**	**47 J**	**39 J**	5 U	**200 J**	5 U	5 UJ	**87**
1,3,5-Trimethylbenzene	5	UG/L	**3 J**	**18 J**	**13 J**	5 U	**64 J**	5 U	5 UJ	**29**
4-iso-Propyltoluene	5	UG/L	5 UJ	**7 J**	4 J	5 U	10 UJ	5 U	5 UJ	**5**
Benzene	1	UG/L	**84 J**	**6 J**	**110 J**	5 U	**150 J**	**2 J**	5 UJ	**12**
Chloromethane	5	UG/L	5 UJ	5 UJ	5 UJ	5 U	10 UJ	5 UJ	5 UJ	5 UJ
Ethyl benzene	5	UG/L	**150 J**	**44 J**	**84 J**	5 U	**240 J**	5 U	3 J	**130 D**
Isopropylbenzene	5	UG/L	5 UJ	3 J	3 J	5 U	**17 J**	5 U	5 UJ	**19**
n-Butylbenzene	5	UG/L	5 UJ	5 UJ	5 UJ	5 U	**7 J**	5 U	5 UJ	**6**
Naphthalene	10	UG/L	**330 D**	**1100 D**	**1500 D**	7	**6400 D**	**130 J**	**44 J**	**1400 D**
o-Xylene	5	UG/L	**13 J**	**34 J**	**40 J**	5 U	**260 J**	5 U	5 UJ	**99**
Propylbenzene	5	UG/L	5 UJ	3 J	2 J	5 U	**20 J**	5 U	5 UJ	**9**
Styrene	5	UG/L	**8 J**	5 UJ	**10 J**	5 U	**510 D**	5 U	5 UJ	5 U
Toluene	5	UG/L	**9 J**	**13 J**	**90 J**	5 U	**850 D**	5 U	1 J	**33**
Xylene, m/p	5	UG/L	**29 J**	**60 J**	**63**	5 U	**500 J**	5 U	1 J	**180**
Xylenes, Total	5	UG/L	**42 J**	**95 J**	**100 J**	5 U	**760 J**	5 U	1 J	**280**
2-Methylnaphthalene	NA	UG/L	9 J		230	10 U	600	11	21	200
Acenaphthene	20	UG/L	**38**		**180**	10 U	**75 J**	17	6 J	**63 J**
Acenaphthylene	NA	UG/L	8 J		90 J	1 J	260 J	10 U	12	13 J
Anthracene	50	UG/L	3 J		37 J	10 U	400 U	10 U	9 J	100 U
Benzo(a)anthracene	0.002	UG/L	**3 J**		**29 J**	10 U	400 U	10 U	**12**	100 U
Benzo(a)pyrene	ND	UG/L	2 J		28 J	10 U	400 U	10 U	12	100 U
Benzo(b)fluoranthene	0.002	UG/L	**2 J**		**20 J**	10 U	400 U	10 U	**17**	100 U
Benzo(ghi)perylene	NA	UG/L	20 U		18 J	10 U	400 UJ	10 U	14	100 UJ
Benzo(k)fluoranthene	0.002	UG/L	20 U		100 U	10 U	400 U	10 U	**5 J**	100 U
Bis(2-Ethylhexyl)phthalate	5	UG/L	20 U		100 U	10 U	400 U	10 U	10 U	100 U
Chrysene	0.002	UG/L	**2 J**		**20 J**	10 U	400 U	10 U	**8 J**	100 U
Dibenz(a,h)anthracene	NA	UG/L	20 U		100 U	10 U	400 UJ	10 U	2 J	100 UJ
Dibenzofuran	NA	UG/L	20 U		11 J	10 U	400 U	10 U	10 U	100 U
Diethylphthalate	50	UG/L	2 J		100 U	10 U	400 U	10 U	10 U	100 U
Fluoranthene	50	UG/L	10 J		**71 J**	10 U	400 U	10 U	23	100 U
Fluorene	50	UG/L	11 J		**70 J**	10 U	**53 J**	3 J	9 J	15 J
Indeno(1,2,3-cd)pyrene	0.002	UG/L	20 U		**12 J**	10 U	400 UJ	10 U	**10**	100 UJ
Naphthalene	10	UG/L	**250**		**810**	10 U	**3600**	**61**	**42**	**1200**
Phenanthrene	50	UG/L	11 J		**160**	10 U	**94 J**	5 J	26	20 J
Phenol	1	UG/L	**3 J**		100 U	10 U	400 U	10 U	10 U	100 U
Pyrene	50	UG/L	19 J		**110**	10 U	400 U	1 J	**59**	100 U
4,4`-DDD	0.3	UG/L			**0.53 J**	0.1 U				
4,4`-DDT	0.2	UG/L			**0.2 PNJ**	0.1 U				
Endrin aldehyde	5	UG/L			0.26 PJ	0.1 U				

Table 4.4
Compounds Detected in Groundwater Grab Samples

Parameter	NYS Class GA GW Quality Standard	Location Sample Date Sample ID Units	GS-02 5/1/2007 SLGW00211SCXX	GS-05 5/1/2007 SLGW00508SCXX	GS-06 5/1/2007 SLGW00608SCXX	GS-07 5/1/2007 SLGW00708SCXX	GS-08 5/1/2007 SLGW00812SCXX	GS-09 5/1/2007 SLGW00908SCXX	GS-10 5/2/2007 SLGW01007SCXX	GS-11 5/2/2007 SLGW01111SCXX
Aluminum	NA	UG/L			13300	3740				
Arsenic	25	UG/L			17.5 B	1.6 U				
Barium	1000	UG/L			232	78.1 B				
Beryllium	3	UG/L			0.38 B	0.16 B				
Cadmium	5	UG/L			0.97 B	0.15 B				
Calcium	NA	UG/L			81600	23400				
Chromium	50	UG/L			20.5	3.2 B				
Cobalt	NA	UG/L			11.3 B	0.15 U				
Copper	200	UG/L			148	8.4 B				
Iron	300	UG/L			**25900**	**22000**				
Lead	25	UG/L			**142**	11				
Magnesium	35000	UG/L			4760	1190				
Manganese	300	UG/L			**395**	122				
Nickel	100	UG/L			31.2 B	0.59 U				
Potassium	NA	UG/L			2410	5650				
Selenium	10	UG/L			9.3 B	**10.4** B				
Sodium	20000	UG/L			1600	3640				
Thallium	0.5	UG/L			**3.6** B	1.2 U				
Vanadium	NA	UG/L			30.7 B	7.6 B				
Zinc	2000	UG/L			317	19 B				

Table 4.4
Compounds Detected in Groundwater Grab Samples

Parameter	NYS Class GA GW Quality Standard	Location Sample Date Sample ID Units	GS-12 5/2/2007 SLGW01210SCXD	GS-12 5/2/2007 SLGW01210SCXX	GS-13 5/2/2007 SLGW01308SCXX	GS-14 5/2/2007 SLGW01411SCXX	GS-15 5/2/2007 SLGW01507SCXX
1,2,4-Trimethylbenzene	5	UG/L	5 UJ	5 UJ	5 U	4 J	5 U
1,3,5-Trimethylbenzene	5	UG/L	5 UJ	5 UJ	5 U	2 J	5 U
4-iso-Propyltoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	5 U	5 U	5 U	**80**	5 U
Chloromethane	5	UG/L	5 UJ	5 U	5 UJ	1 J	5 U
Ethyl benzene	5	UG/L	5 U	5 U	5 U	**5**	5 U
Isopropylbenzene	5	UG/L	5 U	5 U	5 U	5 U	5 UJ
n-Butylbenzene	5	UG/L	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	UG/L	2 J	5 U	5 UJ	**34 B**	5 U
o-Xylene	5	UG/L	5 U	5 U	5 U	**51**	5 U
Propylbenzene	5	UG/L	5 U	5 U	5 U	5 U	5 U
Styrene	5	UG/L	5 UJ	5 UJ	5 U	5 U	5 U
Toluene	5	UG/L	5 U	5 U	5 U	**9**	5 U
Xylene, m/p	5	UG/L	5 U	5 U	5 U	**16**	5 U
Xylenes, Total	5	UG/L	5 U	5 U	5 U	**67**	5 U
2-Methylnaphthalene	NA	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NA	UG/L	10 U	10 U	10 U	4 J	10 U
Anthracene	50	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(ghi)perylene	NA	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002	UG/L	10 U	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl)phthalate	5	UG/L	1 J	10 U	10 U	10 U	10 U
Chrysene	0.002	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NA	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	NA	UG/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	50	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50	UG/L	10 U	10 U	1 J	10 U	10 U
Fluorene	50	UG/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002	UG/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	UG/L	10 U	10 U	10 U	9 J	10 U
Phenanthrene	50	UG/L	10 U	10 U	10 U	10 U	10 U
Phenol	1	UG/L	10 U	10 U	10 U	3 J	10 U
Pyrene	50	UG/L	10 U	10 U	2 J	10 U	10 U
4,4'-DDD	0.3	UG/L	0.1 U	0.1 U			
4,4'-DDT	0.2	UG/L	0.1 U	0.1 U			
Endrin aldehyde	5	UG/L	0.1 U	0.1 U			

Table 4.4
Compounds Detected in Groundwater Grab Samples

Parameter	NYS Class GA GW Quality Standard	Location / Sample Date / Sample ID / Units	GS-12 5/2/2007 SLGW01210SCXD	GS-12 5/2/2007 SLGW01210SCXX	GS-13 5/2/2007 SLGW01308SCXX	GS-14 5/2/2007 SLGW01411SCXX	GS-15 5/2/2007 SLGW01507SCXX
Aluminum	NA	UG/L	271	292			
Arsenic	25	UG/L	1.6 U	1.6 U			
Barium	1000	UG/L	19.3 B	18.9 B			
Beryllium	3	UG/L	0.15 U	0.15 U			
Cadmium	5	UG/L	0.1 U	0.1 U			
Calcium	NA	UG/L	3170	3130			
Chromium	50	UG/L	0.95 B	0.42 B			
Cobalt	NA	UG/L	3 B	3.3 B			
Copper	200	UG/L	6.3 U	6.3 U			
Iron	300	UG/L	**1450**	**1470**			
Lead	25	UG/L	0.64 BJ	0.46 UJ			
Magnesium	35000	UG/L	725	729			
Manganese	300	UG/L	**918**	**900**			
Nickel	100	UG/L	0.59 UJ	0.83 BJ			
Potassium	NA	UG/L	419 B	394 B			
Selenium	10	UG/L	0.98 UJ	2.7 BJ			
Sodium	20000	UG/L	1290	1270			
Thallium	0.5	UG/L	1.2 U	1.2 U			
Vanadium	NA	UG/L	0.47 U	0.47 U			
Zinc	2000	UG/L	10.5 U	8.1 U			

Prepared by: BJS
Checked by: JKR JPC

Notes:
30000 = value exceeds numerical criterion
NA = not applicable
ug/L = micrograms per liter
J = Result is estimated
U = Not detected at a concentration greater than the reporting limit
D = Analyte quantified in an analysis performed at a secondary dilution factor
P = Pesticide/PCB target analyte is greater than 25% difference for the detected concentrations between the two GC columns
N = Matrix spike recovery associated with the sample was outside of QC limits
B (Metals) = The reported result fell above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL)

Table 4.5
Compounds Detected in Brandy Brook Sediment Samples

Parameter	Sediment Criteria (a)	Location / Sample Date / Sample ID / Task Name / QC Code / Units	SD-01 5/2/2007 SLSD00103SCXX SC FS	SD-02 5/2/2007 SLSD00201SCXD SC FD	SD-02 5/2/2007 SLSD00201SCXX SC FS	SD-03 5/3/2007 SLSD00302SCXX SC FS	SD-04 5/3/2007 SLSD00402SCXX SC FS
1,2,4-Trimethylbenzene	3832	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
1,3,5-Trimethylbenzene	--	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
2-Butanone	--	UG/KG	12	8 J	9 J	48	36 J
4-iso-Propyltoluene	--	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
Acetone	--	UG/KG	44 J	28 J	38 J	140 J	130 J
Carbon disulfide	--	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
Chloroform	--	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
Ethyl benzene	494	UG/KG	4 U	3 UJ	4 UJ	5 U	2 J
Isopropylbenzene	247	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
Methylene chloride	--	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
n-Butylbenzene	--	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
Naphthalene	618	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
o-Xylene	1895	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
Propylbenzene	--	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
sec-Butylbenzene	--	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
Toluene	1009	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
Xylene, m/p	1895	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
Xylenes, Total	1895	UG/KG	4 U	3 UJ	4 UJ	5 U	5 U
2-Methylnaphthalene	700	UG/KG	470 U	450 U	500 U	540 U	1100 U
Acenaphthene	2884	UG/KG	470 U	450 U	500 U	540 U	1100 U
Acenaphthylene	--	UG/KG	470 U	450 U	500 U	540 U	3500
Anthracene	2204	UG/KG	470 U	450 U	500 U	540 U	1200
Benzo(a)anthracene	27	UG/KG	470 U	450 U	500 U	540 U	**4900**
Benzo(a)pyrene	27	UG/KG	470 U	**93** J	**130** J	**240** J	**6800**
Benzo(b)fluoranthene	27	UG/KG	470 U	**140** J	**210** J	**430** J	**8300**
Benzo(ghi)perylene	--	UG/KG	470 U	69 J	92 J	350 J	6100 J
Benzo(k)fluoranthene	27	UG/KG	470 U	**48** J	**89** J	**220** J	**3100**
Carbazole	--	UG/KG	470 U	450 U	500 U	540 U	1100 U
Chrysene	27	UG/KG	470 U	450 U	500 U	540 U	**3800**
Dibenz(a,h)anthracene	--	UG/KG	470 U	450 U	500 U	64 J	1400 J
Dibenzofuran	--	UG/KG	470 U	450 U	500 U	540 U	1100 U
Fluoranthene	21012	UG/KG	470 U	450 U	500 U	540 U	5100
Fluorene	165	UG/KG	470 U	450 U	500 U	540 U	**270** J
Indeno(1,2,3-cd)pyrene	27	UG/KG	470 U	**59** J	**78** J	**270** J	**4300** J
Naphthalene	618	UG/KG	470 U	450 U	500 U	540 U	1100 U
Phenanthrene	2472	UG/KG	470 U	450 U	500 U	540 U	1100 U
Pyrene	19797	UG/KG	470 U	450 U	500 U	540 U	14000

Table 4.5
Compounds Detected in Brandy Brook Sediment Samples

		Location	SD-01		SD-02		SD-02		SD-03		SD-04	
		Sample Date	5/2/2007		5/2/2007		5/2/2007		5/3/2007		5/3/2007	
		Sample ID	SLSD00103SCXX		SLSD00201SCXD		SLSD00201SCXX		SLSD00302SCXX		SLSD00402SCXX	
		Task Name	SC		SC		SC		SC		SC	
		QC Code	FS		FD		FS		FS		FS	
Parameter	**Sediment Criteria (a)**	**Units**										
4,4`-DDD	0.206	UG/KG									**26**	PJ
4,4`-DDE	0.206	UG/KG									5.4	U
4,4`-DDT	0.206	UG/KG									**56**	J
Alpha-Chlordane	0.0206	UG/KG									2.8	U
Beta-BHC	1.236	UG/KG									2.8	UJ
Dieldrin	2.06	UG/KG									5.4	U
Endosulfan I	0.618	UG/KG									2.8	U
Endosulfan II	0.618	UG/KG									**16**	PNJ
Endosulfan sulfate	--	UG/KG									19	PNJ
Endrin	16.48	UG/KG									**30**	PNJ
Gamma-Chlordane	0.0206	UG/KG									2.8	U
Heptachlor epoxide	0.01648	UG/KG									**3.6**	PNJ
Methoxychlor	12.36	UG/KG									**41**	PNJ
Aroclor-1248	0.01648	UG/KG									54	U
Aluminum	--	MG/KG									2360	
Arsenic	6	MG/KG									0.95	
Barium	--	MG/KG									13.9	
Cadmium	0.6	MG/KG									0.11	B
Calcium	--	MG/KG									997	
Chromium	26	MG/KG									5.1	
Cobalt	--	MG/KG									1.4	B
Copper	16	MG/KG									7.7	
Iron	20000	MG/KG									4150	
Lead	31	MG/KG									19.4	
Magnesium	--	MG/KG									488	
Manganese	460	MG/KG									30.4	
Nickel	16	MG/KG									1.8	B
Potassium	--	MG/KG									103	
Sodium	--	MG/KG									41.9	B
Vanadium	--	MG/KG									6.3	
Zinc	120	MG/KG									17.9	
Total Organic Carbon	--	MG/KG	24000	EJ	11000	EJ	8600	EJ	40000	EJ	20000	EJ

Table 4.5
Compounds Detected in Brandy Brook Sediment Samples

Parameter	Sediment Criteria (a)	Units	Location	Sample Date	Sample ID	Task Name	QC Code
			SD-01	5/2/2007	SLSD00103SCXX	SC	FS
			SD-02	5/2/2007	SLSD00201SCXD	SC	FD
			SD-02	5/2/2007	SLSD00201SCXX	SC	FS
			SD-03	5/3/2007	SLSD00302SCXX	SC	FS
			SD-04	5/3/2007	SLSD00402SCXX	SC	FS

Notes:
SC = Site Characterization
MG/KG = milligrams per kilogram
ug/kg = micrograms per kilogram
FS = Field Sample
FD = Field Duplicate
U = Not detected at a concentration greater than the reporting limit.
J = Result is estimated.
E = Result exceeded the calibration curve of the instrument
P = Pesticide/PCB target analyte is greater than 25% difference for the detected concentrations between the two GC columns.
N = Matrix spike recovery associated with the sample was outside of QC limits
B (Metals) = The reported result fell above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL).
Values in **BOLD** exceed the Guidance value.
D = Analyte quantified in an analysis performed at a secondary dilution factor.
R = Sample was rejected
Blank Space = Mot tested
(a) Value represents NYSDEC (1999) sediment criterion based on lower of freshwater values for human health bioaccumulation, benthic aquatic life chronic toxicity, and wildlife bioaccumulation.
Values for organic contaminants require an organic carbon adjustment; for this table they were adjusted based on arithmetic mean TOC concentration for these samples.

20600 = arithmetic mean TOC concentration (mg/kg) for SD-01 through SD-08 (sample and duplicate at SD-02 were averaged together first before calculating grand mean).
-- = sediment criterion not available

10000 = concentration exceeds sediment criterion.

Table 4.5
Compounds Detected in Brandy Brook Sediment Samples

Parameter	Sediment Criteria (a)	Location / Sample Date / Sample ID / Task Name / QC Code / Units	SD-05 5/3/2007 SLSD00502SCXX SC FS		SD-06 5/3/2007 SLSD00601SCXX SC FS		SD-07 5/3/2007 SLSD00701SCXX SC FS		SD-08 5/3/2007 SLSD00802SCXX SC FS	
1,2,4-Trimethylbenzene	3832	UG/KG	330	J	**14000**		**11000**		4	U
1,3,5-Trimethylbenzene	--	UG/KG	1600	U	5400	J	3900	J	4	U
2-Butanone	--	UG/KG		R		R		R	4	U
4-iso-Propyltoluene	--	UG/KG	1600	U	3900	J	2600	J	4	U
Acetone	--	UG/KG	8300	J		R		R	34	J
Carbon disulfide	--	UG/KG	1600	U	12000	U	6800	U	4	U
Chloroform	--	UG/KG	1600	U	12000	U	6800	U	4	U
Ethyl benzene	494	UG/KG	1600	U	**6000**	J	**4000**	J	4	U
Isopropylbenzene	247	UG/KG	1600	U	12000	U	**2000**	J	4	U
Methylene chloride	--	UG/KG	56000	J	12000	UJ	6800	UJ	4	U
n-Butylbenzene	--	UG/KG	1600	U	12000	U	6800	U	4	U
Naphthalene	618	UG/KG	**10000**		**420000**		**220000**		4	U
o-Xylene	1895	UG/KG	1600	U	12000	U	1700	J	4	U
Propylbenzene	--	UG/KG	1600	U	12000	U	6800	U	4	U
sec-Butylbenzene	--	UG/KG	1600	U	12000	U	6800	U	4	U
Toluene	1009	UG/KG	1600	U	12000	U	6800	U	4	U
Xylene, m/p	1895	UG/KG	1600	U	**4800**	J	**3700**	J	4	U
Xylenes, Total	1895	UG/KG	1600	U	**4800**	J	**5400**	J	4	U
2-Methylnaphthalene	700	UG/KG	**8200**		**710000**	D	**93000**		270	J
Acenaphthene	2884	UG/KG	**7400**		**340000**	D	**43000**		960	J
Acenaphthylene	--	UG/KG	2000	U	28000		6100	J	2500	
Anthracene	2204	UG/KG	**6600**		**230000**	D	**27000**		**4300**	
Benzo(a)anthracene	27	UG/KG	**3200**		**170000**	D	**19000**		**9000**	
Benzo(a)pyrene	27	UG/KG	**2700**		**140000**	D	**17000**		**10000**	
Benzo(b)fluoranthene	27	UG/KG	**2000**	J	**100000**	D	**12000**		**8100**	
Benzo(ghi)perylene	--	UG/KG	1300	J	77000	DJ	8800		6000	
Benzo(k)fluoranthene	27	UG/KG	**650**	J	**26000**		**5900**	J	**3300**	
Carbazole	--	UG/KG	2000	U	2200	U	8400	U	620	J
Chrysene	27	UG/KG	**2400**		**130000**	D	**18000**		**8500**	
Dibenz(a,h)anthracene	--	UG/KG	240	J	16000	J	1600	J	1000	J
Dibenzofuran	--	UG/KG	800	J	17000		4200	J	540	J
Fluoranthene	21012	UG/KG	8700		**450000**	D	**41000**		18000	
Fluorene	165	UG/KG	**4100**		**190000**	D	**26000**		**2300**	
Indeno(1,2,3-cd)pyrene	27	UG/KG	**900**	J	**52000**	DJ	**5800**	J	**4200**	
Naphthalene	618	UG/KG	**1600**	J	**550000**	D	**39000**		1700	U
Phenanthrene	2472	UG/KG	**24000**		**800000**	D	**100000**		**17000**	
Pyrene	19797	UG/KG	13000		**590000**	D	**69000**		**21000**	

Table 4.5
Compounds Detected in Brandy Brook Sediment Samples

		Location	SD-05		SD-06		SD-07		SD-08	
		Sample Date	5/3/2007		5/3/2007		5/3/2007		5/3/2007	
		Sample ID	SLSD00502SCXX		SLSD00601SCXX		SLSD00701SCXX		SLSD00802SCXX	
		Task Name	SC		SC		SC		SC	
		QC Code	FS		FS		FS		FS	
Parameter	Sediment Criteria (a)	Units								
4,4`-DDD	0.206	UG/KG	**12**	J						
4,4`-DDE	0.206	UG/KG	**14**	PNJ						
4,4`-DDT	0.206	UG/KG	5.1	U						
Alpha-Chlordane	0.0206	UG/KG	**8**	PNJ						
Beta-BHC	1.236	UG/KG	**2.8**	PNJ						
Dieldrin	2.06	UG/KG	**11**	PNJ						
Endosulfan I	0.618	UG/KG	**8.2**							
Endosulfan II	0.618	UG/KG	5.1	U						
Endosulfan sulfate	--	UG/KG	5.1	U						
Endrin	16.48	UG/KG	5.1	U						
Gamma-Chlordane	0.0206	UG/KG	**15**	J						
Heptachlor epoxide	0.01648	UG/KG	**11**	PNJ						
Methoxychlor	12.36	UG/KG	26	U						
Aroclor-1248	0.01648	UG/KG	52	U						
Aluminum	--	MG/KG	3250							
Arsenic	6	MG/KG	0.65	B						
Barium	--	MG/KG	14.9							
Cadmium	0.6	MG/KG	0.13	B						
Calcium	--	MG/KG	1510							
Chromium	26	MG/KG	2.6							
Cobalt	--	MG/KG	1.7	B						
Copper	16	MG/KG	1.9							
Iron	20000	MG/KG	3950							
Lead	31	MG/KG	8.3							
Magnesium	--	MG/KG	650							
Manganese	460	MG/KG	73							
Nickel	16	MG/KG	1.9	B						
Potassium	--	MG/KG	113							
Sodium	--	MG/KG	38.5	B						
Vanadium	--	MG/KG	5.3							
Zinc	120	MG/KG	21.4							
Total Organic Carbon	--	MG/KG	11000	EJ	19000	EJ	35000	EJ	16000	EJ

Table 4.5
Compounds Detected in Brandy Brook Sediment Samples

Parameter	Sediment Criteria (a)	Units	Location	SD-05	SD-06	SD-07	SD-08
			Sample Date	5/3/2007	5/3/2007	5/3/2007	5/3/2007
			Sample ID	SLSD00502SCXX	SLSD00601SCXX	SLSD00701SCXX	SLSD00802SCXX
			Task Name	SC	SC	SC	SC
			QC Code	FS	FS	FS	FS

Prepared by: BJS
Checked by: JKR/JPC

Notes:
SC = Site Characterization
MG/KG = milligrams per kilogram
ug/kg = micrograms per kilogram
FS = Field Sample
FD = Field Duplicate
U = Not detected at a concentration greater than the reporting limit.
J = Result is estimated.
E = Result exceeded the calibration curve of the instrument
P = Pesticide/PCB target analyte is greater than 25% difference for the detected concentration
N = Matrix spike recovery associated with the sample was outside of QC limits
B (Metals) = The reported result fell above the Instrument Detection Limit (IDL) but below th
Values in **BOLD** exceed the Guidance value.
D = Analyte quantified in an analysis performed at a secondary dilution factor.
R = Sample was rejected
Blank Space = Mot tested
(a) Value represents NYSDEC (1999) sediment criterion based on lower of freshwater values
wildlife bioaccumulation.
Values for organic contaminants require an organic carbon adjustment; for this table they were

20600 = arithmetic mean TOC concentration (mg/kg) for SD-01 through SD-08 (sample and d
-- = sediment criterion not available

10000 = concentration exceeds sediment criterion.

Table 4.6
Compounds Detected in Pontiac Bay, Lake Flower Sediment Samples

		Location	SD-09		SD-10		SD-11		SD-12	
		Sample Date	5/3/2007		5/3/2007		5/3/2007		5/3/2007	
		Sample ID	SLSD00904SCXX		SLSD01003SCXX		SLSD01102SCXX		SLSD01203SCXX	
		Task Name	SC		SC		SC		SC	
		QC Code	FS		FS		FS		FS	
Parameter	Sediment Criteria (a)	Units								
1,2,4-Trimethylbenzene	5069	UG/KG	140		7	U	9	U	5000	
1,3,5-Trimethylbenzene	--	UG/KG	46		7	U	9	U	2300	J
2-Butanone	--	UG/KG	18		7	UJ	100			R
4-iso-Propyltoluene	--	UG/KG	29		7	U	9	U	2100	J
Acetone	--	UG/KG	60	J	7	UJ	400	EJ		R
Carbon disulfide	--	UG/KG	4	U	7	U	3	J	3000	U
Chloroform	--	UG/KG	4	U	7		9	U	3000	U
Ethyl benzene	654	UG/KG	38		7	U	9	U	3000	U
Isopropylbenzene	327	UG/KG	31		7	UJ	9	U	**740**	J
Methylene chloride	--	UG/KG	4	U	7	U	9	U	3000	UJ
n-Butylbenzene	--	UG/KG	49		7	U	9	U	3000	U
Naphthalene	818	UG/KG	**17000**	DBJ	7	U	12	U	**61000**	B
o-Xylene	2507	UG/KG	12		7	U	9	U	3000	U
Propylbenzene	--	UG/KG	20		7	U	9	U	3000	U
sec-Butylbenzene	--	UG/KG	4	J	7	U	9	U	3000	U
Toluene	1335	UG/KG	1	J	7	U	9	U	3000	U
Xylene, m/p	2507	UG/KG	14		7	UJ	9	U	3000	U
Xylenes, Total	2507	UG/KG	27		7	UJ	9	U	3000	U
2-Methylnaphthalene	927	UG/KG	**64000**		590	U	840	U	**37000**	
Acenaphthene	3815	UG/KG	**31000**		590	U	840	U	**26000**	
Acenaphthylene	--	UG/KG	2500	J	320	J	840	U	4500	J
Anthracene	2916	UG/KG	**17000**		590	U	840	U	**25000**	
Benzo(a)anthracene	35	UG/KG	**8600**		**720**		840	U	**23000**	
Benzo(a)pyrene	35	UG/KG	**6800**		**1200**		**160**	J	**20000**	
Benzo(b)fluoranthene	35	UG/KG	**5300**		**920**		**160**	J	**16000**	
Benzo(ghi)perylene	--	UG/KG	3100	J	970		120	J	10000	J
Benzo(k)fluoranthene	35	UG/KG	**2000**	J	**420**	J	840	U	**5800**	J
Carbazole	--	UG/KG	4600	U	590	U	840	U	5900	U
Chrysene	35	UG/KG	**7200**		**780**		840	U	**18000**	
Dibenz(a,h)anthracene	--	UG/KG	650	J	160	J	840	U	2200	J
Dibenzofuran	--	UG/KG	3700	J	590	U	840	U	2700	J
Fluoranthene	27795	UG/KG	20000		880		840	U	**47000**	
Fluorene	218	UG/KG	**16000**		85	J	840	U	**17000**	
Indeno(1,2,3-cd)pyrene	35	UG/KG	**2200**	J	**650**		**88**	J	**7400**	J
Naphthalene	818	UG/KG	**31000**		590	U	840	U	**6300**	
Phenanthrene	3270	UG/KG	**53000**		590	U	840	U	**68000**	
Pyrene	26187	UG/KG	**35000**		1500		840	U	**64000**	

Table 4.6
Compounds Detected in Pontiac Bay, Lake Flower Sediment Samples

		Location	SD-09		SD-10		SD-11		SD-12	
		Sample Date	5/3/2007		5/3/2007		5/3/2007		5/3/2007	
		Sample ID	SLSD00904SCXX		SLSD01003SCXX		SLSD01102SCXX		SLSD01203SCXX	
		Task Name	SC		SC		SC		SC	
		QC Code	FS		FS		FS		FS	
Parameter	Sediment Criteria (a)	Units								
4,4`-DDD	0.27	UG/KG	18	U						
4,4`-DDE	0.27	UG/KG	18	U						
4,4`-DDT	0.27	UG/KG	18	U						
Alpha-Chlordane	0.03	UG/KG	**11**	PJ						
Beta-BHC	2	UG/KG	9.4	U						
Dieldrin	3	UG/KG	18	U						
Endosulfan I	0.8	UG/KG	9.4	U						
Endosulfan II	0.8	UG/KG	18	U						
Endosulfan sulfate	--	UG/KG	18	UJ						
Endrin	22	UG/KG	18	U						
Gamma-Chlordane	0.027	UG/KG	**19**	PNJ						
Heptachlor epoxide	0.022	UG/KG	**21**	PJ						
Methoxychlor	16	UG/KG	94	U						
Aroclor-1248	0.022	UG/KG	**68**							
Aluminum	--	MG/KG	3590							
Arsenic	6	MG/KG	0.97	B						
Barium	--	MG/KG	28.9							
Cadmium	0.6	MG/KG	0.34	B						
Calcium	--	MG/KG	2240							
Chromium	26	MG/KG	3.9							
Cobalt	--	MG/KG	3	B						
Copper	16	MG/KG	10.6							
Iron	20000	MG/KG	10200							
Lead	31	MG/KG	**58**							
Magnesium	--	MG/KG	2030							
Manganese	460	MG/KG	65.2							
Nickel	16	MG/KG	4							
Potassium	--	MG/KG	250							
Sodium	--	MG/KG	116							
Vanadium	--	MG/KG	7.6							
Zinc	120	MG/KG	98.9							
Total Organic Carbon	--	MG/KG	13000	EJ	24000	EJ	24000	EJ	48000	EJ

Table 4.6
Compounds Detected in Pontiac Bay, Lake Flower Sediment Samples

		Location	SD-09	SD-10	SD-11	SD-12
		Sample Date	5/3/2007	5/3/2007	5/3/2007	5/3/2007
		Sample ID	SLSD00904SCXX	SLSD01003SCXX	SLSD01102SCXX	SLSD01203SCXX
		Task Name	SC	SC	SC	SC
		QC Code	FS	FS	FS	FS
Parameter	Sediment Criteria (a)	Units				

Notes:

Prepared by: BJS

Checked by: JKR/JPC

SC = Site Characterization

FS = Field Sample

UG/KG = Micrograms per Kilogram

U = Not detected at a concentration greater than the reporting limit

J = Result is estimated.

D = Analyte quantified in an analysis performed at a secondary dilution factor.

B (Metals) = The reported result fell above the Instrument Detection Limit (IDL) but below the Contract Required Detection Limit (CRDL).

B (Organics) = Compound detected in method blank.

P = Pesticide/PCB target analyte is greater than 25% difference for the detected concentrations between the two GC columns.

N = Matrix spike recovery associated with the sample was outside of QC limits

E = Result exceeded the calibration curve of the instrument

R = Sample was rejected

Values in BOLD exceed the Guidance value.

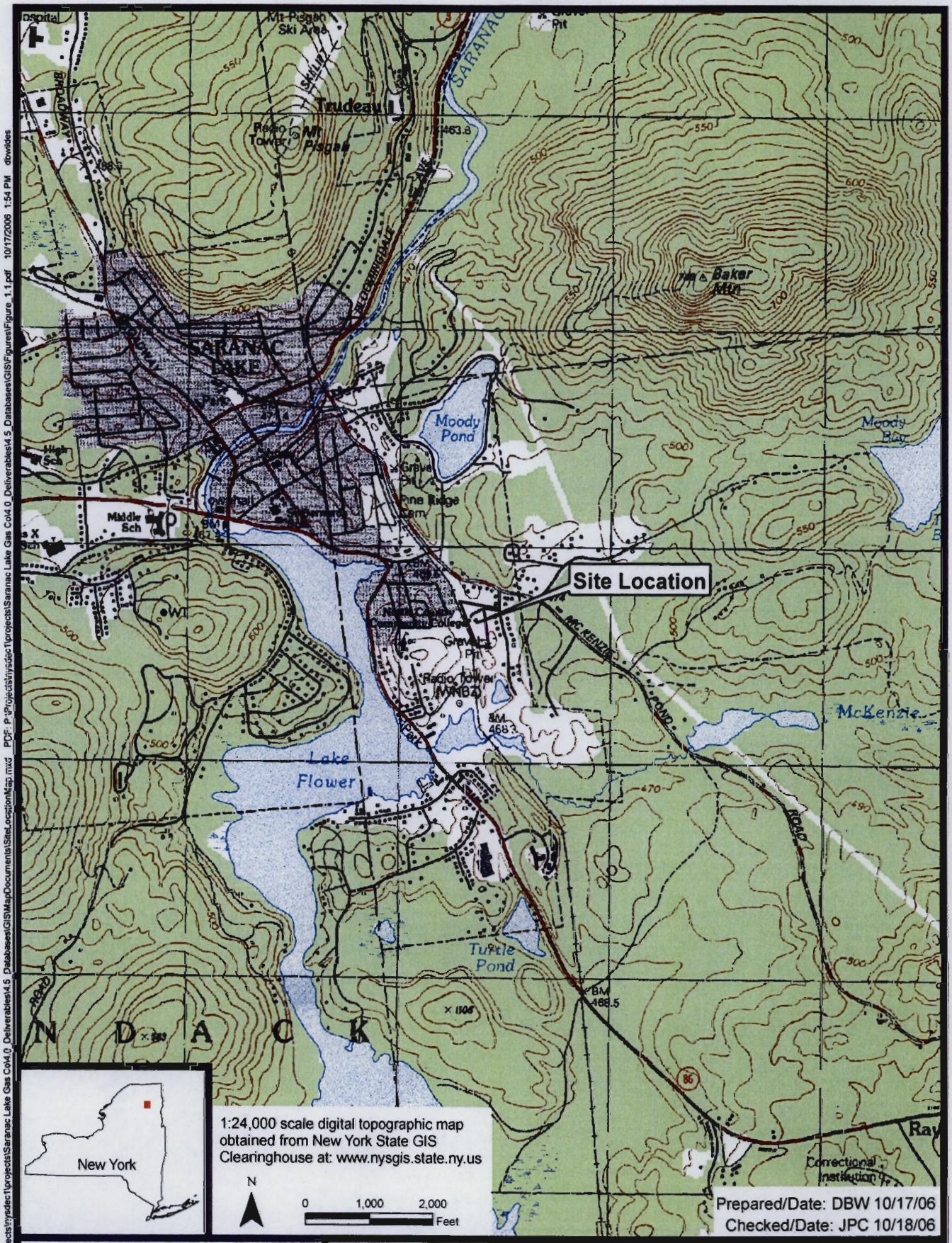
Blank Space = Not tested.

(a) Value represents NYSDEC (1999) sediment criterion based on lower of values for human health bioaccumulation, benthic aquatic life chronic toxicity, and wildlife bioaccumulation.
Values for organic contaminants require an organic carbon adjustment; for this table they were adjusted based on arithmetic mean TOC concentration for these samples.

27250 = arithmetic mean TOC concentration (mg/kg) for SD-09 through SD-12.

-- = sediment criterion not available

FIGURES

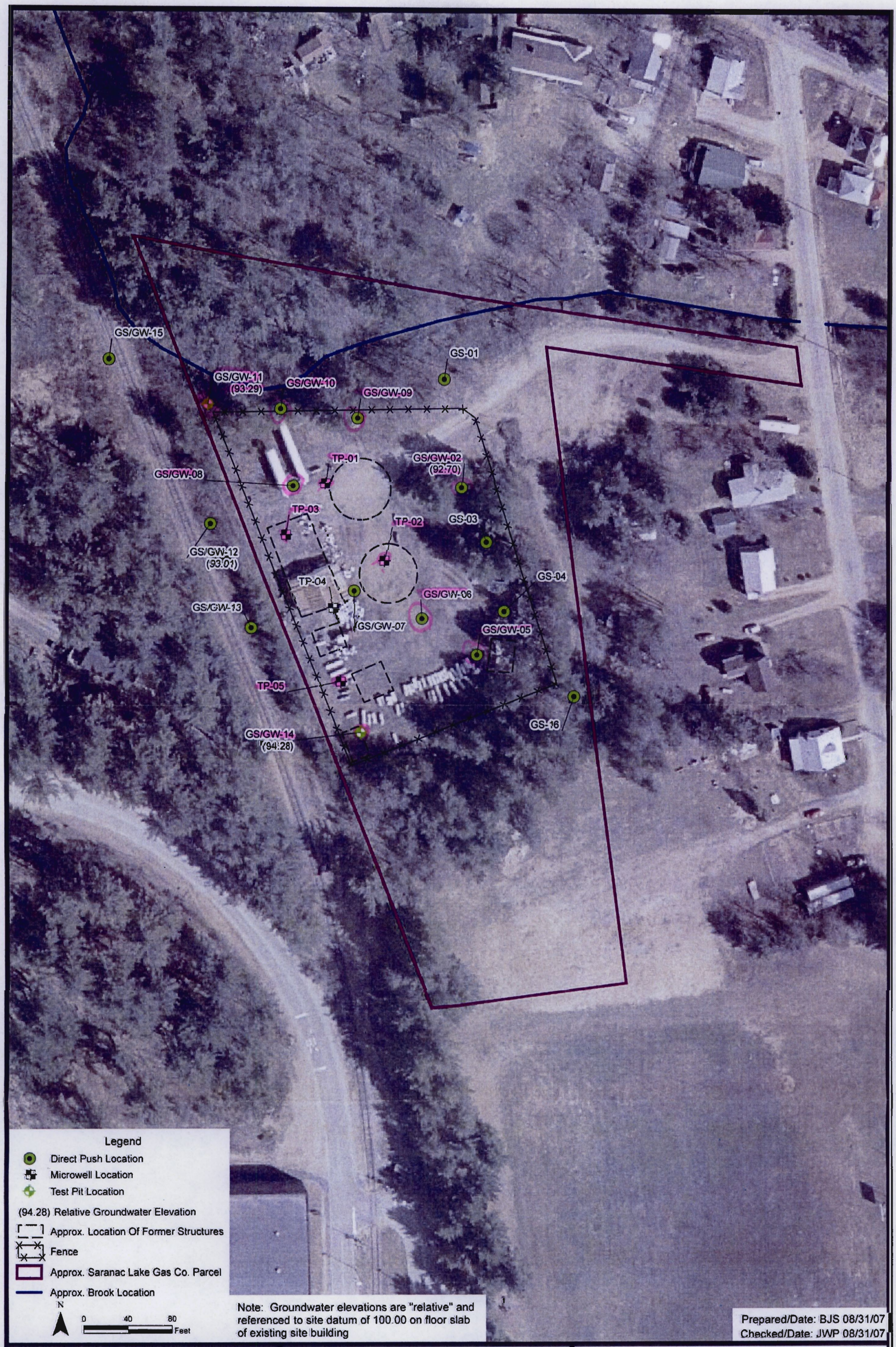


NYSDEC
Saranac Lake Gas Co., Inc.
Saranac Lake, New York

MACTEC

Site Location Map
Project 3612-06-2058
Figure 1.1

Document: P:\Projects\nysdec\1projects\Saranac Lake Gas Co\4.0_Deliverables\4.5_Databases\GIS\MapDocuments\SiteLocationMap.mxd PDF: P:\Projects\nysdec\1projects\Saranac Lake Gas Co\4.0_Deliverables\4.5_Databases\GIS\Figures\Figure_1.1.pdf 10/17/2006 1:54 PM dbwildes



NYSDEC
Saranac Lake Gas Co., Inc.
Saranac Lake, New York

MACTEC

Exploration Locations
Payeville Road Site
Project 3612-06-2058
Figure 3.1

Document: P:\Projects\nysdec1\projects\Saranac Lake Gas Co\4.5_Deliverables\4.5_Databases\GIS\Map Documents\Saranac Lake Gas Co_1 rx77.mxd PDF: P:\Projects\nysdec1\projects\Saranac Lake Gas Co\4.5_Deliverables\4.5_Databases\GIS\Figures\Figure_3.1.pdf 08/31/2007 12:37 PM bjschoonard

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Legend

- Sediment Sample
- Approximate Brook Location

N

0 100 200 Feet

NYSDEC
Saranac Lake Gas Co., Inc.
Saranac Lake, New York

MACTEC

Sediment Sample Locations
Pontiac Bay, Lake Flower, Brandy Brook
Project 3612-06-2058 Figure 3.2

Prepared/Date: BJS 08/21/07
Checked/Date: JKR 08/21/07

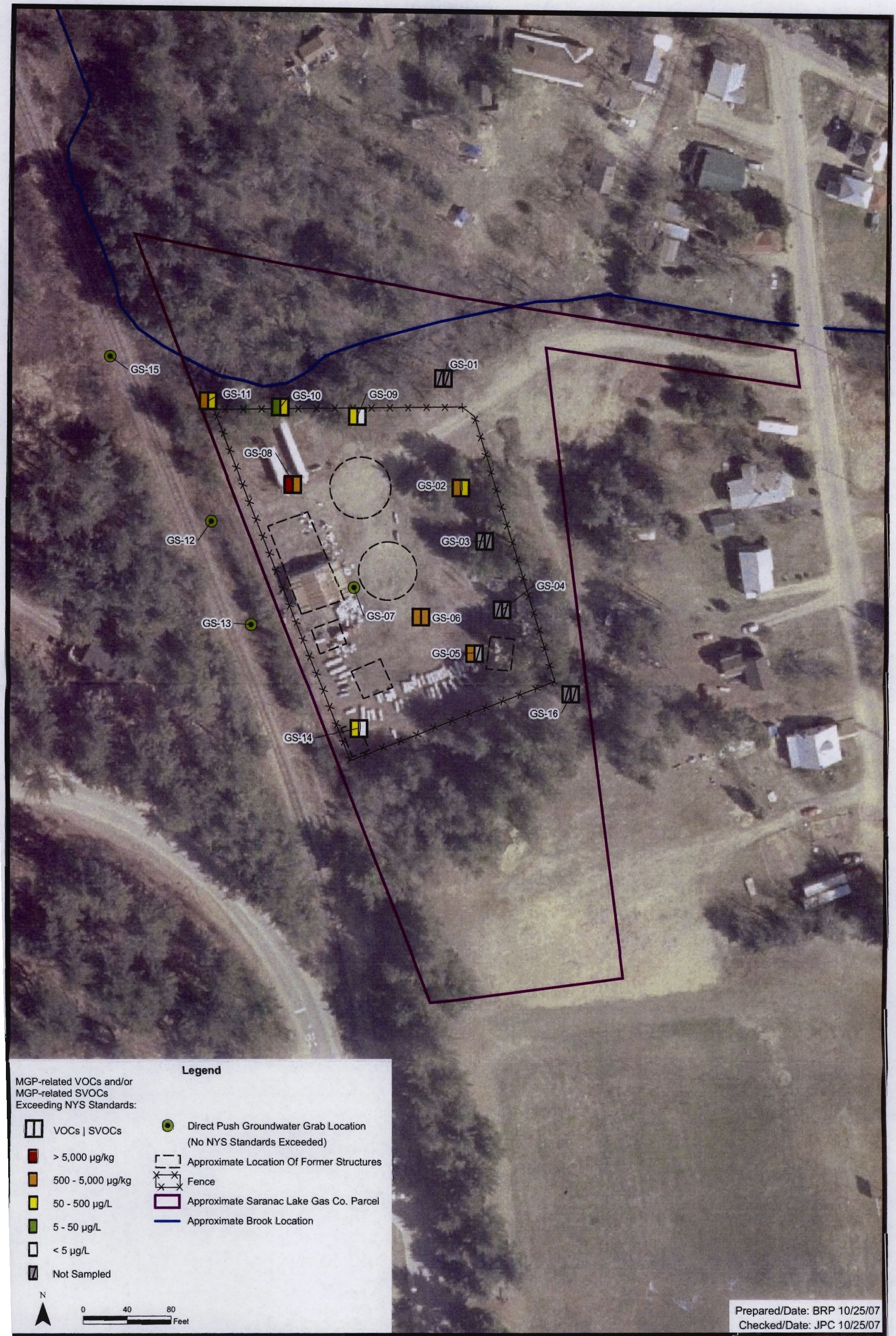


NYSDEC
Saranac Lake Gas Co., Inc.
Saranac Lake, New York

MACTEC

MGP-Related COCs
Detected in Soil Samples
Project 3612-06-2058 Figure 4.1

Document: P:\Projects\nysdec1\projects\Saranac Lake Gas Co\4.0_Deliverables\4.5_Databases\GIS\MapDocuments\SaranacLakeGasCo_GW_Soil_VOCs_SVOCs_11x17P.mxd PDF: P:\Projects\nysdec1\projects\Saranac Lake Gas Co\4.0_Deliverables\4.5_Databases\GIS\Figures\Figure_4.1.pdf 10/25/2007 11:47 AM brpeters



NYSDEC
Saranac Lake Gas Co., Inc.
Saranac Lake, New York

MACTEC

MGP-Related COCs
Detected in Groundwater Grab Samples
Project 3612-06-2058 Figure 4.2

Document: P:\Projects\nysdec1\projects\Saranac Lake Gas Co\4.0_Deliverables\4.5_Databases\GIS\MapDocuments\SaranacLakeGasCo_PieCharts_11x17LS.mxd PDF: P:\Projects\nysdec1\projects\Saranac Lake Gas Co\4.0_Deliverables\4.5_Databases\GIS\Figures\Figure_4.3.pdf 10/24/2007 11:44 AM brpeters



Legend

MGP-related VOCs and/or MGP-related SVOCs Exceeding NYS Standards:

- VOCs | SVOCs
- > 27,000 µg/kg
- 2,700 - 27,000 µg/kg
- 270 - 2,700 µg/kg
- < 27 µg/kg

- Sediment Location (No NYS Standards Exceeded)
- Approximate Brook Location
- Approximate Saranac Lake Gas Co. Parcel

N

0 100 200 Feet

Prepared/Date: BRP 10/24/07
Checked/Date: JPC 10/24/07

NYSDEC
Saranac Lake Gas Co., Inc.
Saranac Lake, New York

MACTEC

MGP-Related COCs
Detected in Sediment Samples
Project 3612-06-2058 Figure 4.3

APPENDIX A

FIELD DATA RECORDS

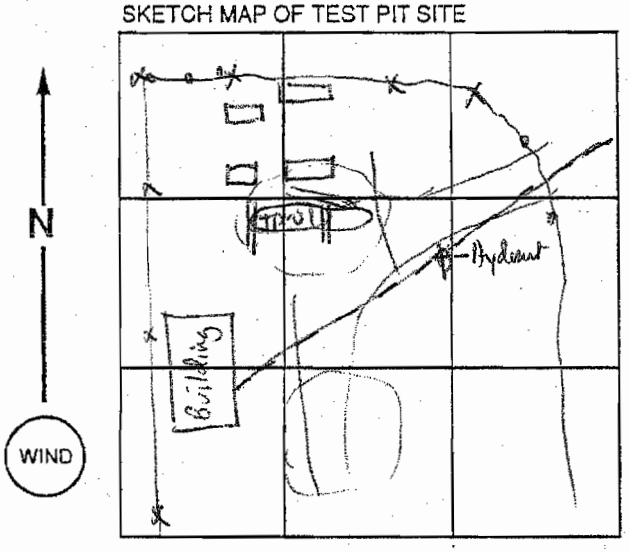
TEST PIT RECORD

Site: Saranac Gas Co Project No.: 36120620558-0211

Location No.: TP-01 Date: 4/30/07 Time: 1020 End: 1210

Coordinates: Excavated by: ADT (Mike Sarro)

SKETCH MAP OF TEST PIT SITE



SCALE 1" = FT.

Crew Members:

1. Mike Sarro
2. Keith Eiss
3. Jerry Rawcliffe
4. Mike Washburn
5.
6.

Monitor Equipment:

PI Meter	(Y)	N
Explosive Gas	Y	(N)
Avail. Oxygen	Y	(N)
OVA	Y	(N)
Other		

Photographs, Roll 2 of 2 inch steel pipe

Exposure

NOTES:

Test Pit 01 is located in the approximate locations of a former Gas Holding Tank.

Encountered 1" copper line running roughly east west.

Slab at ≈2.5' BGS (concrete)

4" steel pipe running ≈ N-S

steel pipe running ≈ N-S near end of former propane tank cradle/footprint

Encountered strong old fuel odor soils past edge of slab at ≈6' BGS semi saturated grab sample

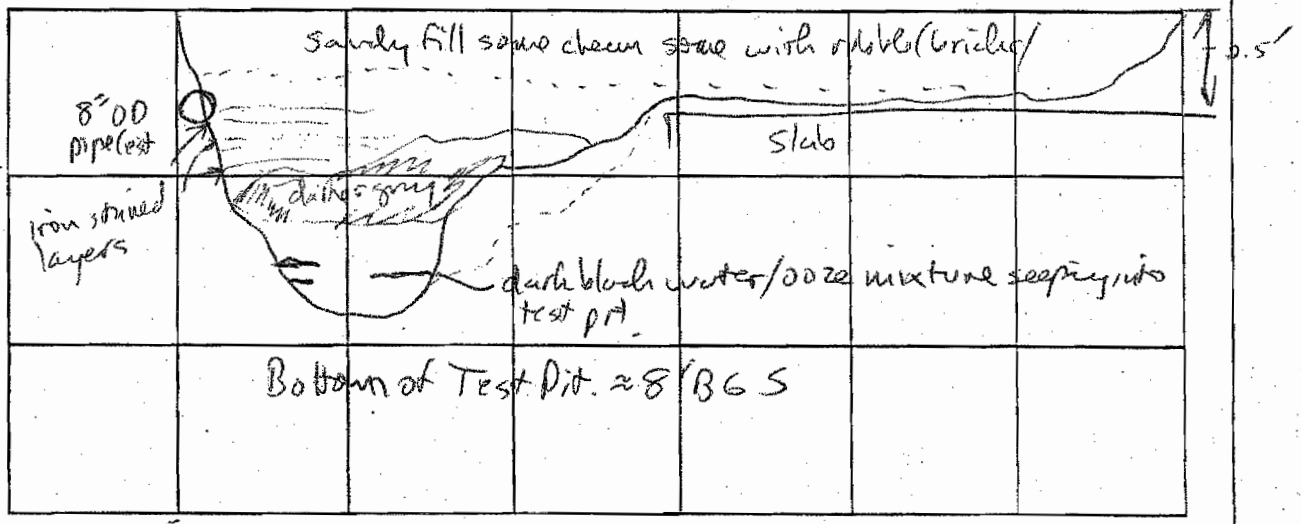
Bottom of test pit ≈8' BGS water/tar like material seeping oozing into bottom of test pit.

TEST PIT RECORD

Profile Along Test Pit: TP-01 Project No.: 36120622058 - 02.1

Site: Saranac Gas Company Date: 4/30/07

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5' FT.

NOTES:

Soils are generally fine to coarse sandy fill 0-3' with some gravel and cobbles occational bricks. some metal.
3-6 Fine sand light yellowish brown to iron stained reddish brown
Seepage into hole at ≈ 6-7' BGS
Strong odor BKG in breathing zone occationally reads 0.6-0.9 ppm Benzene draeger tube is ND.
Some Brown to dark brown fine sandy areas possible fill around tank slab
Soils appear to become finer with depth.
Areas of soils (sand) around 6-7' are stained grey to black with sheen and strong degraded fuel like odor. PID 14.5 - 40 ppm on soils

No.	Sample ID	Depth (Ft.)	HD. SP. PID (PPM)
S-1		6-6.5	14.5 on soil
S-2			
S-3			
S-4			
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK #: #1

Page #: 3

SIGNATURE: Jerry Randolph

MACTEC

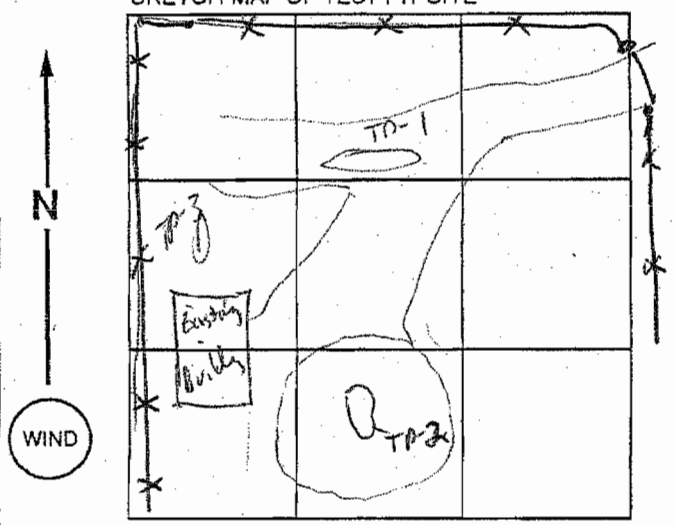
TEST PIT RECORD

Site: Saranac Lake Gas Co. Project No.: 3612060055-

Location No.: TP-02 Date: 4/30/07 Time: 1400 End: 1570

Coordinates: Excavated by: ADT (M. Sarro)

SKETCH MAP OF TEST PIT SITE



SCALE 1" = _____ FT.

Crew Members:

1. Mike Sarro
2. Keith Eiss
3. Jerry Rawcliffe
4. Mike Washburn
5.
6.

Monitor Equipment:

PI Meter	(Y)	N
Explosive Gas	Y	(N)
Avail. Oxygen	Y	(N)
OVA	Y	(N)
Other		

Photographs, Roll

Exposure

NOTES:

TP-2 - Broke thru center of former gas tank foundation, concrete ≈ 8" thick underlain by dark reddish brown sand and gravel 0.7' - 2.0'

2 - 4(?) encountered heavily contaminated soils product etc.

PID reading not too high < 10 ppm - very strong odor (creosote-like).

Due to obvious contamination and possible product we are going to stop test pit.

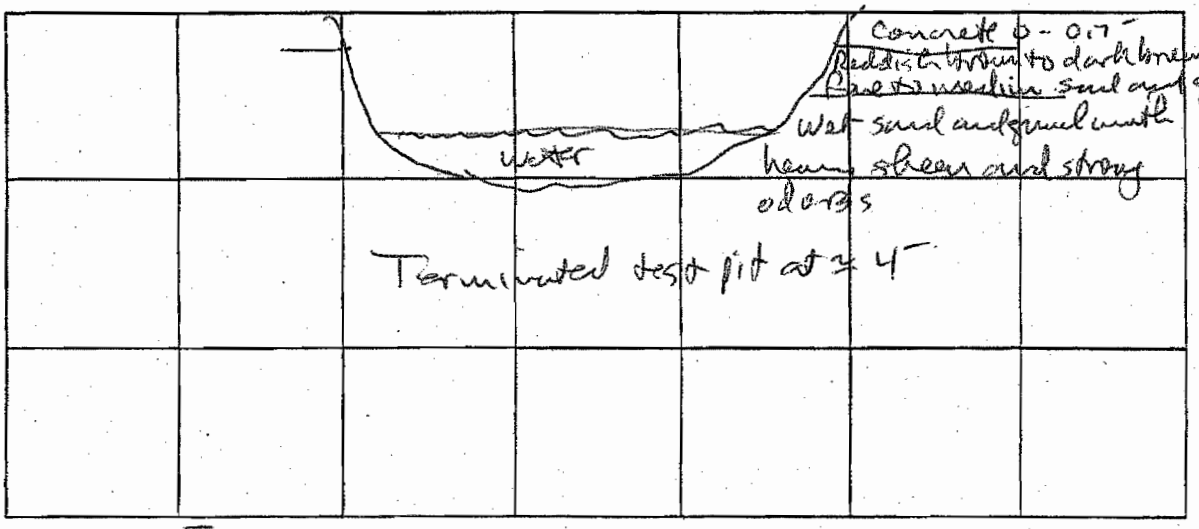
Collected sample from most contaminated material (visual and odor).

TEST PIT RECORD

Profile Along Test Pit: TP-02 Project No.: 361206205S-02M1

Site: Savannah Lahe Gas Co. Date: 4/30/07

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT.

NOTES:
Extremely contaminated, sheen, strong odor, PID 5-10ppm.
Odor smells similar to creosote.

No.	Sample ID	Depth (Ft.)	HD. SP. PID (PPM)
S-1	SLTP002035XX	3'	
S-2			
S-3			
S-4			
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK #: 1

Page #: 45

SIGNATURE: Jerry Rau PG

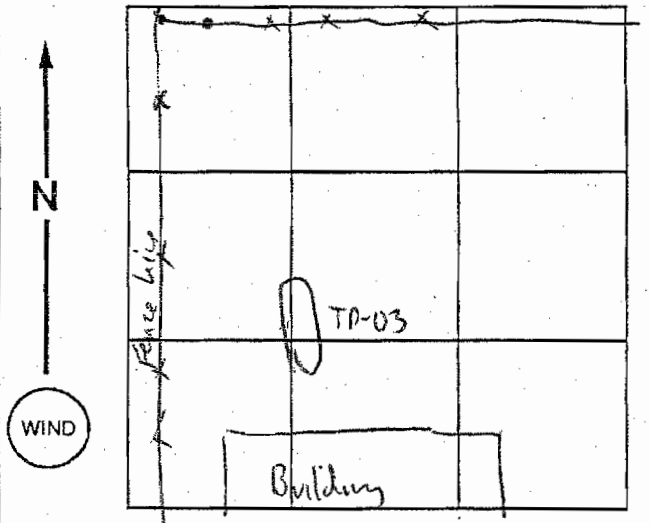
TEST PIT RECORD

Site: Saranac Lake Gas Co. Project No.: 36120620S8-0241

Location No.: TP-03 Date: 4/30/07 Time: 1310 End: 1400

Coordinates: Excavated by: AOT (M. Sarro)

SKETCH MAP OF TEST PIT SITE



SCALE 1" = _____ FT.

Crew Members:

1. Mike Sarro
2. Keith Eiss
3. Jerry Rawcliffe
4. Mike Washburn.
5.
6.

Monitor Equipment:

PI Meter	(Y)	N
Explosive Gas	Y	(N)
Avail. Oxygen	Y	(N)
OVA	Y	(N)
Other		

Photographs, Roll _____

Exposure _____

NOTES:

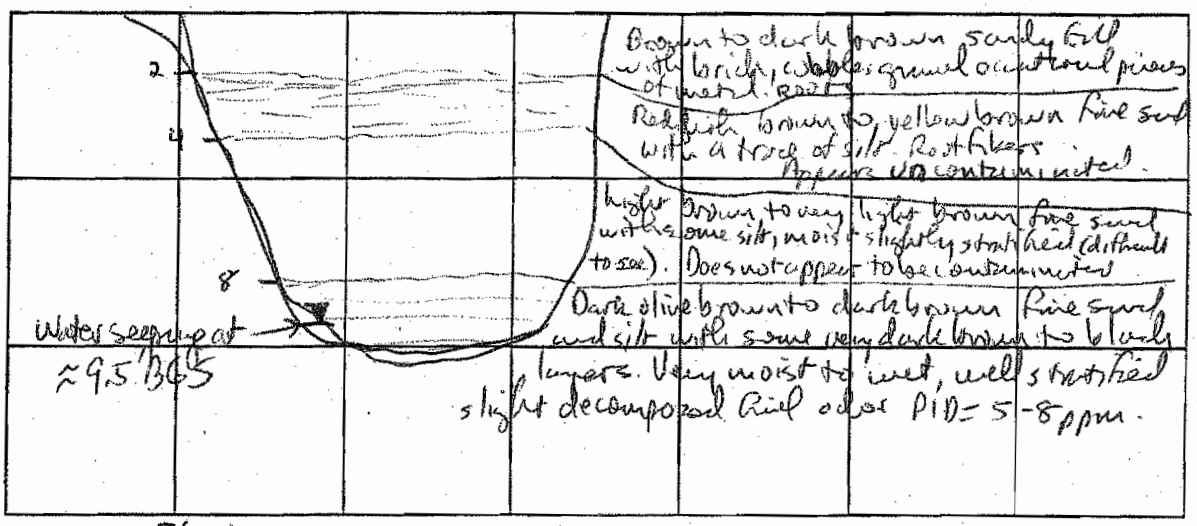
Approx 2' of dark brown fill over reddish brown (iron stained) to yellowish brown fine sand transition layer 2-4'
4-8' light brown fine sand with some s/t.
8-10' becoming dark brown to grayish brown stratified fine sand and s/t. Stratified slight odor, PID = 5-8 ppm collecting samples from ≈ 9' interval (wet soils).
Water seeping into Test Pit at ≈ 9-9.5' BGS.
Total Depth 10' BGS
Collected Samp SLTP003009SCXX
Soils from 0-7' show no elevated PID and visually appear clean.

TEST PIT RECORD

Profile Along Test Pit: TP-03 Project No.: 36120620558 0201

Site: Saranac Lake Gas Co. Date: 4/30/07

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5' ~~vert.~~ FT.

NOTES:

Soils appear to be uncontaminated from 0-8' BGS

8-10 appears to be contaminated by migration of material along the water table.

Collected sample of saturated material at ≈9' bgs.

No.	Sample ID	Depth (Ft.)	HD. SP. PID (PPM)
S-1	SLTP0030095	9'	8 ppm
S-2			
S-3			
S-4			
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK #: 1

Page #: 4

SIGNATURE: Jerry Rouleau

MACTEC

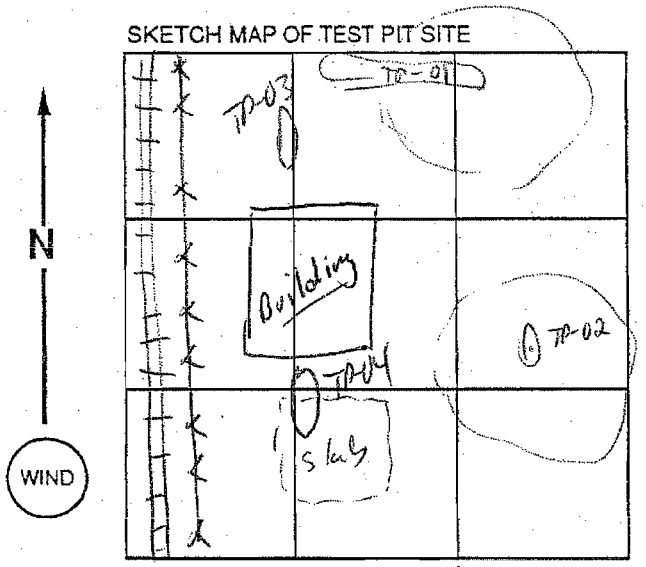
TEST PIT RECORD

Site: Saranac Lake Gas Co. Project No.: 3612062058-021

Location No.: TP-04 Date: 4/30/07 Time: 1525 End: 1630

Coordinates: Excavated by: AOT (Mike Sarno

SKETCH MAP OF TEST PIT SITE



SCALE 1" = NTS FT.

Crew Members:

1. Mike Sarno
2. Keith Biss
3. Jerry Rawcliffe
4. Mike Washburn.
5.
6.

Monitor Equipment:

PI Meter	(Y)	N
Explosive Gas	Y	(N)
Avail. Oxygen	Y	(N)
OVA	Y	(N)
Other		

Photographs, Roll

Exposure

NOTES: TP-04 located just south of existing building ≈ 5' from foundation numerous concrete slabs in vicinity. attempting to dig between building and slab and work back away from building

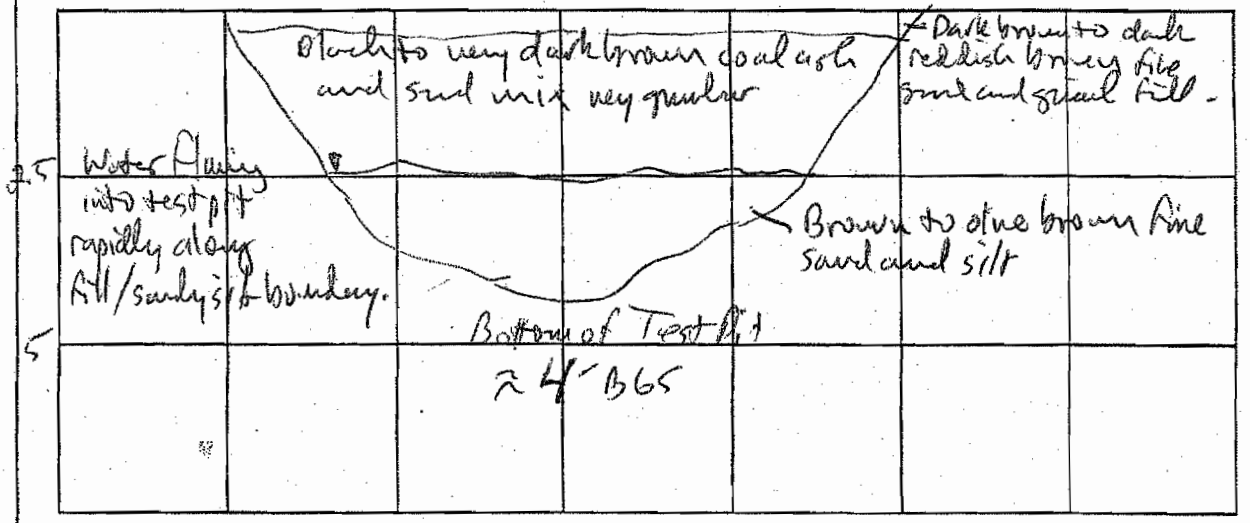
Broke thru slab, 4" drain pipe (cast iron?)

TEST PIT RECORD

Profile Along Test Pit: TP-05 Project No.: 36120620 58-02.1

Site: Saranac Lake Gas Co. Date: 4/30/07

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = _____ FT.

NOTES:

Strong odor and sheen from coal ash fill.
Water at ≈ 2-2.5' BGS.
Change from Ash fill to fine sandy silt at ≈ 2.5'
Bottom of Test pit ≈ 4' BGS.

Sample time 1650 SLTP00502SCXX
V, SV, TBD.

No.	Sample ID	Depth (Ft.)	HD. SP. PID (PPM)
S-1	SLTP00502SCXX	3'	7ppm
S-2			
S-3			
S-4			
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK #: 1

Page #: 6, 7

SIGNATURE: Jerry Randall

SOIL BORING LOG

			AOC:
			Boring No.: GS-01
Client: NYSDEC - Saranac Lake		Project No. 36120622058-03.1	Protection: D
Contractor: ADT	Date Started: 5/1/07		Completed: 5/1/07
Method: Direct Push	Casing Size: 1.5" ID		PI Meter: TE-580B
Ground Elev.:	Soil Drilled: 4'		Total Depth: 4'
Logged by: JKR	Checked by: JWP		Below Ground: 1.0'
Screen: NA (ft.)	Riser: NA (ft.)	Diam: NA (ID) Material: NA	Page 1 of: 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
1	DP-1		ND 0-4	2.9'	2.5 @ 0	0-1' Stratified fine to coarse sand with a trace of gravel. Very dark brown to dark brown to reddish brown (iron colored)	SP	Some organic material.	
2					0	Colored areas are well stratified	SP	SLGS00 0945	01SCXX
3					0	Grades to an reddish brown to light reddish brown fine sand with traces of coarser material.	SP		
4					0	Wet, no obvious odors.			
5						Bottom of boring = 4.0' BGS			
6									
7									
8									
9									
10									

SOIL BORING LOG

		AOC:	
		Boring No.:	GS-04
Client: NYSDEC - Saranac Lake	Project No. 36120620558-03.1	Protection:	D
Contractor: ADT	Date Started: 5/1/2007	Completed:	5/1/2007
Method: Direct Push	Casing Size: 1.5 ID	PI Meter:	TES8013
Ground Elev.:	Soil Drilled: 7.5'	Total Depth:	7.5'
Logged by: MJW	Checked by: JR	Below Ground:	3.5'
Screen: NA (ft.) Riser: NA (ft.) Diam: NA (ID) Material: NA		Page	1 of: 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
1	DP-1		NA 0-4'	2.3	0	Dark brown grading to reddish brown, fine sand with trace of gravel	SW		
2					0				
3					0	reddish brown, fine to medium sand	SP	sample collected SLGS004-0307SCXX	
4					0				GW
5	DP-2		NA 4-8'	2.8	0	Lite brown to gray med sand. signs of mineral depletion	SP		
6					0				
7					0	orange brown with red mottling med to fine sand	SP		
8						hit refusal on a cobble			
9						Bottom of boring = 7.5'			
10						No groundwater grab sample collected			

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SOIL BORING LOG

			AOC:
			Boring No.: GS-5
Client: NYSDEC - Saranac Lake		Project No. 36120602058-03.1	Protection: D
Contractor: ADT	Date Started: 5/1/07		Completed: 5/1/07
Method: Direct Push	Casing Size: 1.5" ID		PI Meter: TE-580B
Ground Elev.:	Soil Drilled: 8'		Total Depth: 8'
Logged by: JKR	Checked by: JMP		Below Ground: ≈0.5-1'
Screen: NA (ft.)	Riser: NA (ft.)	Diam: NA (ID) / Material: NA	Page 1 of: 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
1	DP-1		NA 0-4	2.6'	5 8.8	0-1.2 Dark brown to very dark brown to dark reddish brown medium to coarse sand with a little gravel and traces of fine sand. Very moist becomes wet, strong odor. 1.2-4' Very dark brown to black fine to coarse sand and gravel with some wood chips. Strong odor, sheen oily residue on s.s. spoon. Wet.	SP/Sm		
2									
3					19		SP/GW	SLGS00503SCXX 1010	
4									
5	DP-2		NA 4-8	3.6	66 12	Top 4-5' Black to very dark brown fine to coarse sand with sheen and odor. 5-6.5' Dark brown fine sand with some silt and traces of coarse material	SP		
6					5.1				
7					2.5	6.5-8 Brown to olive brown fine to medium sand and silt with traces of coarse sand along sand layers.			
8									
9						GW grab sample pH = 5.5 Temp: 5.7°C Cond = 0.267 mS/cm Sal = 0.01 % Turb = >1000 TDS = 0.168 g/L DO = 40.1 mg/L ORP = 111 mV		SLGW005 08SCXX (VOAs) 1050	
10									

SOIL BORING LOG

AOC:			
Boring No.: GS-06			
Client: NYSDEC - Saranac Lake	Project No. 3612062058-03.1	Protection: D	
Contractor: ADT	Date Started: 5/1/2007	Completed: 5/1/2007	
Method: Direct Push	Casing Size: 1.5 in	PI Meter: TE GSOB	
Ground Elev.:	Soil Drilled: 8'	Total Depth: 8'	
Logged by: MJW	Checked by: JR	Below Ground: 1.5'	
Screen: NA (ft.)	Riser: NA (ft.)	Diam: NA (ID)	Material: NA
Page 1 of: 1			

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
1	DP-1		NA 0-4'	2.9	0	dark brown to black med. to coarse sand with gravel. Asphalt like material	SW		
					0				
2						dark brown fine sand with some silt	SM		
					0				
3						dark grey to black coarse sand with gravel. Some evidence of construction debris (bricks). Metallic sheen. Strong odor. Tar like	SW		
					9				
4					11				
					5				
	DP-2		NA 4'-8'	4'	70	dark black coarse sand, gravel construction debris metallic sheen. Strong odor. Tar like			
5					100				
					180	dark grey sand and silt with lots of organic debris (wood fiber)	SM/GM		
					255				
6					270	metallic sheen, strong odor			
					265	Tar-like stuff lightly			
7					70	throughout. Tar like substance leaves an orange		SLGS00607SCXX	
					230	stain			
8									
						No further sample taken stopped at 8 ft.		SLGW00608SCXX	
9									
						pH - 6.3 DO - .45 mg/L			
10						cond - 0.375 ms/cm Temp - 7.2 °C			
						Turb - >1000 NTU ORP - -10 mV			

Soil sample - SLGS00607SCXX @ 1700

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SOIL BORING LOG

		AOC: GS-07	
		Boring No.: TP-07	
Client: NYSDEC - Saranac Lake	Project No. 36120602058-03.1	Protection: D	
Contractor: ADT	Date Started: 5/1/2007	Completed: 5/1/2007	
Method: Direct Push	Casing Size: 1.5"	PI Meter: TE 580B	
Ground Elev.:	Soil Drilled: 8'	Total Depth: 8'	
Logged by: MSW	Checked by: AR	Below Ground: 1.0'	
Screen: NA (ft.)	Riser: NA (ft.) Diam: NA (ID) Material: NA	Page 1 of: 1	

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
0	DP-1		NA 0-4'	3.3	0	dark black, coarse sand with some gravel	SW		
1					0	dark orange grading to light grey fine med sand; lots of			
2					0	iron oxidation sign.	SP		
3					0				
4					0				
	DP-2		NA 4-8'	4'	0	light gray/orange grading			
5					0	to med/dark gray. Med/Fine			
					0	Sand. at 6-7' Tar like	SP		
6					0	substance found. Strong			
					0	odor. Tar substance stains			
7					0	orange			
					6				
8					0				
						no further samples taken. Stopped at 8ft			
9						PH - 6.0 DO - 7.6 mg/L		SLGW0070850XX	
						COND - .190 mS/cm Temp - 6.0 °C		Groundwater	
10						Turb - 437 NTU ORP - 11 mV		grab sample	

So.1 Samples: SLGS 0070 SCXX @ 1610

SOIL BORING LOG

		AOC:	
		Boring No.: GS-08	
Client: NYSDEC - Saranac Lake	Project No. 36120620558-03.1	Protection: D	
Contractor: AOT	Date Started: 5/1/2007	Completed: 5/1/2007	
Method: Direct Push	Casing Size: 1.5"	PI Meter: TB 5203	
Ground Elev.:	Soil Drilled: 12'	Total Depth: 12'	
Logged by: MJW	Checked by: DR	▽ Below Ground: 6'	
Screen: NA (ft.)	Riser: NA (ft.) Diam: NA (ID) Material: NA	Page 1 of: 2	

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
1	DP-1		NA 0-4'	3.1	0	Dark brown with black and orange lines, fine sand with some silt and organic material	SP/SW		
					0				
2					0	dark brown, slightly reddish, fine to med sand with some gravel and very little organic material	SP		
3					0				
					0	Brown to grey fine sand with some silt	SP		
4									
5	DP-2		NA 4-8'	4'	15	dark brown, to med orange	SP/SW		
					20	fine to med and coarse			
					30	sand			
6					25	lite grey with stripes of			
					18	black banding, grading to			
7					40	dark ~~grading to black~~ as	SP		
					50	fine to med sand with			
					59	silt, strong odor, metallic sheen			
8	DP-3		NA 8-12'	4'	2	Dark grey, fine sand with			
					3	a little silt. Dark banding			
9					5	throughout entire sample. Area	SP		
					5	from ~~10-11~~ 9-10' covered with			
					6	tar like material and a slight			
10					4	orange color. Metallic sheen			
						~~throughout, strong odor~~			

Soil sample: SLGS 0080 @ 0 scan @ 1520

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SOIL BORING LOG

			AOC:
			Boring No.: GS-08
Client: NYSDEC - Saranac Lake		Project No. 36120620558-03.1	Protection: D
Contractor: ADT	Date Started: 5/1/2007		Completed: 5/1/2007
Method: Direct Push	Casing Size: 1.5		PI Meter: TE 52213
Ground Elev.:	Soil Drilled: 12'		Total Depth: 12'
Logged by: MJW	Checked by: JR		Below Ground: 6'
Screen: NA (ft.)	Riser: NA (ft.)	Diam: NA (ID) Material: NA	Page 2 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
0	GS-7		NA: 4 per 2-12'	4'	5 6 4 2	See notes from Page 1			
12						No further samples taken - Stopped at 12' PH - 6.3 COND - 0.164 mS/cm Turb - 71000 NTU Temp - 8.1°C ORP - -53 mV DO - 0 < 0.1 mg/L		SLGW0058/25CKK Groundwater grab sample	

SOIL BORING LOG

		AOC:	
		Boring No.:	GS-09
Client: NNSOEC - Sarmachombe	Project No. 36120602058-03.1	Protection:	D
Contractor: AOT	Date Started: 5/1/2007	Completed:	5/1/2007
Method: Direct Push	Casing Size: 1.5"	PI Meter:	TE 580B
Ground Elev.:	Soil Drilled: 8'	Total Depth:	8'
Logged by: MSW	Checked by: JR	Below Ground:	1'
Screen: NA (ft.) Riser: NA (ft.) Diam: NA (ID) Material: NA		Page	1 of: 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
1	DP-1		NA 0-4'	2c	48	dark brown to dark grey med to fine sand with some gravel and organic material	SP/SM	SLGS00902SCXA	
					25				
2					3				
						dark grey with some pockets of black fine sand with some silt	SP		
3					4				
					2				
4	DP-2		NO 4-8'	4'					
					0	dark brown/grey fine sand with some silt	SP		
5					0				
6					0				
						dark grey grading to lite grey fine sand with some silt fines	SP/SM		
7					0				
8					0				
						no further samples taken final depth 8'			
9								SLGW00903SCXA	
10						Ground water grab sample			

~~pH - 5.9~~ mg/stetter Temp - 7.35 mg/ STET

~~COND - .09~~ mg/stetter ORP - -1 mV STETAF

~~DO - 2.4~~ mg/stetter

~~TURB - 71000~~ mg/ STET

pH - 5.9 ORP - 7.4 mV

COND - .090 mS/cm

DO - 2.4 mg/L

Turb - 71000 NTU

Temp - 7.4°C

Soil Sample: SLGS00902SCXX @ 1420

MACTEC

2002040a L 2

SOIL BORING LOG

		AOC:	
		Boring No.: GS-10	
Client: NAVSTEC - Saratoga	Project No. 3612062058-03.1	Protection: D	
Contractor: ADT	Date Started: 5/2/2007	Completed: 5/2/2007	
Method: Direct Push	Casing Size: 1.5	PI Meter: TE 5243	
Ground Elev.:	Soil Drilled: 8'	Total Depth: 8'	
Logged by: MLW	Checked by: JR	Below Ground: 1'	
Screen: NA (ft.)	Riser: NA (ft.) Diam: NA (ID) Material: NA	Page 1 of: 1	

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
1	DP-1		NA 0-4'	2.3	.2	brown grading to dark brown some with packets of dark orange med to fine sand with some gravel and small stones. Top 2in rich in organic material. 1.5-3" contains much fibrous organic material. Slight odor	SW		
2					.4				
3					1				
4					2	dark gray fine to medium sand stratifications w/ light gray with some gravel layers	SW		
5	DP-2		NA 4'-8'	3.1	4				
6					12	gray brown fine to medium sand with some silt and cobbles. TAR like substance oozing out strong odor. Metallic sheen	SW/SP		
7					22				
8					36	gray with black/orange stratifications fine to medium sand. Tar-like substance strong odor. Metallic sheen	stratified SP		
9					49				
10					72				
					5	dark grayish med to fine sand strong odor.	SP		
					2				
						Stopped samplers at 8 ft depth No refusal			

SLGW010075CXX Groundwater grab sample

Soil Sample - SLGS010006SCXX @ 0935

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Project: ~~Callahan Mine Site~~ Saranac Lake Gas Co
Location: ~~Brooksville, Maine~~ Saranac Lake, NY
Client: ~~MDOT~~ NYSDEC
3012002058-03.1

Boring: GS-11
File No.:

Contractor: ADT
Operator: Mike Sarno
Logged By: MW
Checked By: AR
Date Start/Finish: 5/2/07
Boring Location: Saranac Lake GP
Ref. Elevation[1]:

Drilling Method: Direct Push
Bore Hole ID/OD: ~~6"~~ 1.5"
Auger ID/OD: 1.5"
Sampler: ~~4" SS~~ Acrylic sleeve
Hammer Wt./ Fall: NA
Water Level[2]: (3-5' 3' BGS

Definitions:
S = Split Spoon Sample
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
q_u = Unconfined Compressive Strength (psf)
wsh = weight of 140 lb. hammer
wor = weight of rods
wc = Water Content, percent
oc = Organic Content, percent

Depth	Sample Information: Sample No.	Recovery	PID Time[5]	Sample Description and Classification	Unified Classification	Analytical Collected (Y/N)	Elevation
0	DP-1 0-4	2ft	.5	0-.5' dark brown coarse to med sand with small rocks and some gravel ~~organic~~ Material	SW		
			1	.5-3' med brown grading to darker brown med sand with some coarse sand and rocks	SW/SP		
2			.2				
			0	3'-4' black layer for 2in with a med brown layer for 3in and then a dark brown/ grey layer to 4', med to fine sand with gravel and ~~coal~~ small stones			
			0				
4	DP-2 4-8	3ft	0	greenish/grey med to coarse sand with some gravel	SP/SW		
			0	5'-7' grey with a greenish tint med to fine sand with some coarse sand and gravel			
6			0				
			0	7'-8' grey fine sand with some silt	SP		
8			0	~~Sli~~ slight odor of mgh			
				Continued drilling to ~~12'~~ 11' for well installation. No further samples taken			
				No refusal			
				screen - 9' SLGW0111SCXX			
				riser - 2' Groundwater grab sample			
				Material - Sch 40 1" pvc			

Notes

pH - 5.7
Turb - 145 NTU
Cond = .195 mS/cm
DO - 5.4 mg/L
Temp - 5.4°C
ORP - -9 mV

Soil sample: SLGS 0106 SCXX

Stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Boring: GS-~~15~~ 11

(SB)

SOIL BORING LOG

AOC:			
Boring No.: GS-12			
Client: NVSDEC - Sarmanachube	Project No. 361202058-03.1		Protection: D
Contractor: ADT	Date Started: 5/2/2007		Completed: 5/2/2007
Method: Direct Push	Casing Size: 1.5"		PI Meter: TE 580B
Ground Elev.:	Soil Drilled: 4'		Total Depth: 8'
Logged by: MJW	Checked by: JR		▽ Below Ground: 3.5
Screen: NA (ft.)	Riser: NA (ft.)	Diam: NA (ID) / Material: NA	Page 1 of: 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
1	DP-1		NA 0-4'	37	.8	Dark brown grading to black organic rich fine to med sand with some stones and gravel	SP/SW		
2					2				
					1	Dark orange grading to orange/grey fine to med sand with some stones/gravel/cobbles and a little organic material	SP/SW		
					1				
3					.5				
					.5				
4	DP-2		4-8'	4'	.8	coarse to med sand orange/gray with some gravel	SP		
5					.2	greyish with some orange med to fine sand with some gravel and stones	SP/SW		
					.2				
6					0				
7					0				
8					.2	No further sample taken stopped at 8 ft			
						orangish gray grading to dark orange with layers of light gray and orange fine sand with some silt.			

SLGW012105SCXX } Groundwater grab sample
SLGW012110SCXD }

Soil Sample: SLGS012035SCXX @ 1115

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SOIL BORING LOG

			AOC:
			Boring No.: GS-13
Client: NYSDEC - Saranac Lake		Project No. 36120620580-03.1	Protection: D
Contractor: ADT	Date Started: 5/2/2007		Completed: 5/2/2007
Method: Direct Push	Casing Size: 1.5"		PI Meter: TE 5203
Ground Elev.:	Soil Drilled: 12'		Total Depth: 12'
Logged by: MSW	Checked by: JR		▽ Below Ground: 7'
Screen: NA (ft.)	Riser: NA (ft.)	Diam: NA (ID) / Material: NA	Page 1 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
0	DP-1		NA 0-4'	2.2	2	med brown with some pockets of orange and light brown.			
1					2	med to fine sand with	SW		
2					2	some gravel and small stones			
3					0	some organic material in the			
4					0	top foot.			
					0				
4	DP-2		4'-7½	1.0	.8	~~med to fine~~ mr			
5					.8	med brown with small pockets of black. med to fine sand	SP/SW		
6						with some coarse sand and gravel. some small stones			
7						sample was stopped by a large stone that was removed.			
8	DP-3		7.5-12	3.2	.5	med brown med to coarse sand with fine sand and gravel	SP/SW		
					.5			SLGW013085CXX Groundwater grab sample	
9					.2	brownish gray with layers of dark gray and reddish gray. fine	SP		
					0	sand with some silt.			
10					0	See next page			

Soil Sample: SLGS013105CXX @ 1050

MACTEC

SOIL BORING LOG

			AOC:
			Boring No.: GS-13
Client: NVS DEC - Saranac Lake		Project No. 361206 2058-03.1	Protection: D
Contractor: ADT	Date Started: 5/2/2007		Completed: 5/2/2007
Method: Direct Push	Casing Size: 1.5 in		PI Meter: TIP SERIES
Ground Elev.:	Soil Drilled: 12'		Total Depth: 12'
Logged by: MSW	Checked by: SR		Below Ground: ~~Not Encountered~~ 7'
Screen: NA (ft.)	Riser: NA (ft.)	Diam: NA (ID) Material: NA	Page 2 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
10	GS-13		NA 75-12"	3.2	0	~~Gravel~~ Sand med brown speckled with black orange, white coarse to med sand with gravel and small stones	SP/SW		
					0	med brown fine to med sand with pockets of black			
12						No further samples taken after 12 ft			

SOIL BORING LOG

		AOC:	
		Boring No.:	GS-14
Client: NYSDEC - Saranac Lake	Project No. 36120620558-0311	Protection:	D
Contractor: ADT	Date Started: 5/2/2007	Completed:	5/2/2007
Method: Direct Push	Casing Size: 1.5 in	PI Meter:	TE 52:B
Ground Elev.:	Soil Drilled: 11'	Total Depth:	11'
Logged by: MJW	Checked by: AR	Below Ground:	1'
Screen: 10 (ft.) Riser: 1 (ft.) Diam: 1" (ID) Material: PVC		Page 1 of: 1	

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
1	DP-1		NA 0-4'	2.5	.2	dark brown grading to dark orange coarse to med. sand with some gravel. Top 1" organic material.	SP		
2					.2				
					.2	dark gray coarse sand with gravel and small cobbles. Appears to be some asphalt type material.			
3					.2	Med gray fine to med sand with some gravel	SP/SW		
4					.2	dark brown to dark orange fine to medium sand			
	DP-2		NA 4-8'	3.5	0	dark brown/orange fine to medium sand	SP		
5					0				
6					0	med gray with darker gray stratification/layers fine to medium sand with some silt	SP		
7					0	Lite orange/gray med to coarse sand with some gravel.	SP		
8					0				
9						stopped sampling at 8 ft. Continue drilling to 11' for well installation			
10						Groundwater Grab Sample SLGW0141115CXX			

Soil sample: Grab from SLGW0140305CXX-750

SLGW0141115CXX

pH - 5.3
Cond - .270 ms/cm
DO - 9.06 mg/L
Temp - 4.9 °C
ORP - 188 mV

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Project: ~~Callahan Mine Site~~ Saranac Lake Gas Co
Location: ~~Brooksville, Maine~~ Saranac Lake, NY
Client: ~~MDOT~~ NYSDEC
361206205S-03.1

Boring: GS-15
File No.:

Contractor: ADT	Drilling Method: Direct Push
Operator: Mike Sarno	Bore Hole ID/OD: GS-15 / ~~2"~~ 2.5"
Logged By: MSW	Auger ID/OD: 1.5"
Checked By: MR	Sampler: TE 580B
Date Start/Finish: 5/2/07	Hammer Wt./ Fall:
Boring Location:	Water Level[3]: 1'
Ref. Elevation[1]:	

Definitions:
S = Split Spoon Sample
U = Thin Wall Tube Sample
R = Rock Core Sample
V = Insitu Vane Shear Test
q_u = Unconfined Compressive Strength (psi)
wsh = weight of 140 lb. hammer
wor = weight of rods
wc = Water Content, percent
oc = Organic Content, percent

Depth	Sample No.	Recovery	PID Time	Sample Description and Classification	Unified Classification	Analytical Collected (Y/N)	Elevation
0-4'	DP-1	2.2'	0 1 0 0 0	0-6" dark brown med sand with some coarse sand and organic material 6"-3' Med to coarse sand with some fine sand and gravel, Dark grey/brownish. Some organic Material	SP/SW		
4-5'			0 0 0 0 0	3'-4' ~~dark~~ dark grey to greenish (olive) fine sand with some silt ~~4'-5.5'~~ 4'-5'			
4.5-5.5'	DP-2	1.5'	0 0 0 0 0	dark grey/greenish (olive) with pockets of black spot and slight orange spot. fine sand and silt with gravel ~~5'~~ 5'-5.5'	SP		
5-5.5'			0 0 0 0 0	Very dark grey med to fine sand with pockets of dark brown and small stones and gravel	SP/SW		
				Refusal @ 5.5'. No further sample taken.			
				SLGW01507SCXX - Groundwater grab sample			

Notes
Soil sample: SLGS01502SCXX @ 1250

Stratification lines represent approximate boundaries between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SOIL BORING LOG

		AOC:	
		Boring No.: GS-16	
Client: NYSDEC Saranac Lake	Project No. 36120620 58-03.1	Protection: D	
Contractor: AOT	Date Started: 5/1/07	Completed: 5/1/07	
Method: Direct Push	Casing Size: 1.5" ID	PI Meter: TE-5800	
Ground Elev.:	Soil Drilled: 12'	Total Depth: 12' BGS	
Logged by: JLR	Checked by: JMP	Below Ground: ≈11.5	
Screen: NA (ft.)	Riser: NA (ft.) Diam: NA (ID) Material: NA	Page 1 of: 2	

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
1	DP-1	0 - 4	NA 0-4 0840	2.6'	0	Brown to dark brown fine to coarse sand and gravel with traces of organic material at top. Traces of silt.	SW/SP		
2					0	Grades to a brown medium sand with a little coarse sand traces of fine sand and gravel.			
3					0	Moist, no obvious stratification or odors, staining.	SP/SW		
4									
5	DP-2	4 - 8'	NA	3.5'	0	Brown to light brown medium to coarse sand with a little fine sand and traces of gravel. Moist coarser at top of sample.	SW/SP		
6					0	Changes @ ≈6' to a finer grained fine to medium sand with occasional traces of coarse sand. Some stratification of sands.			
7					0	No odors or staining.	SP		
8									
9	DP-3	8 - 12	NA	3.1	0	light brown to brown fine to medium sand with traces of coarse sand. Moist, becomes wet at ≈11.5'	SP		
10					0	Possible faint creasote like odor. Collected sample SLGS01611SCXX			

No groundwater grab sample collected.

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SOIL BORING LOG

			AOC:
			Boring No.: GS-16
Client: NYSDEC - Saranac Lake		Project No. 36120620558-03.1	Protection: D
Contractor: ADT	Date Started: ~~5/30~~ 5/1/07		Completed: 5/1/07
Method: Direct Push	Casing Size: 1.5" OD		PI Meter: TE-580B
Ground Elev.:	Soil Drilled: 12'		Total Depth: 12'
Logged by: JKR	Checked by: JWP		Below Ground: 11.5'
Screen: NA (ft.)	Riser: NA (ft.)	Diam: NA (ID) Material: NA	Page 2 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	BLOW COUNTS	RECOVERY	PID/FID (ppm)	SOIL DESCRIPTION	SOIL CLASS	ANALYTICAL SAMPLE COLLECTED	WELL DATA
11	DP-3 (cont)	8 12	NA	-	0	Brown to light brown fine-med sand. Moist to wet at ≈ 11.5'. Faint odor.	SP	Yes SLGS0116 0915	11 SCX
					0			No groundwater grab sample	
12						Bottom of boring = 12' BGS No refusal			

APPENDIX A-2

GROUNDWATER FIELD DATA RECORDS

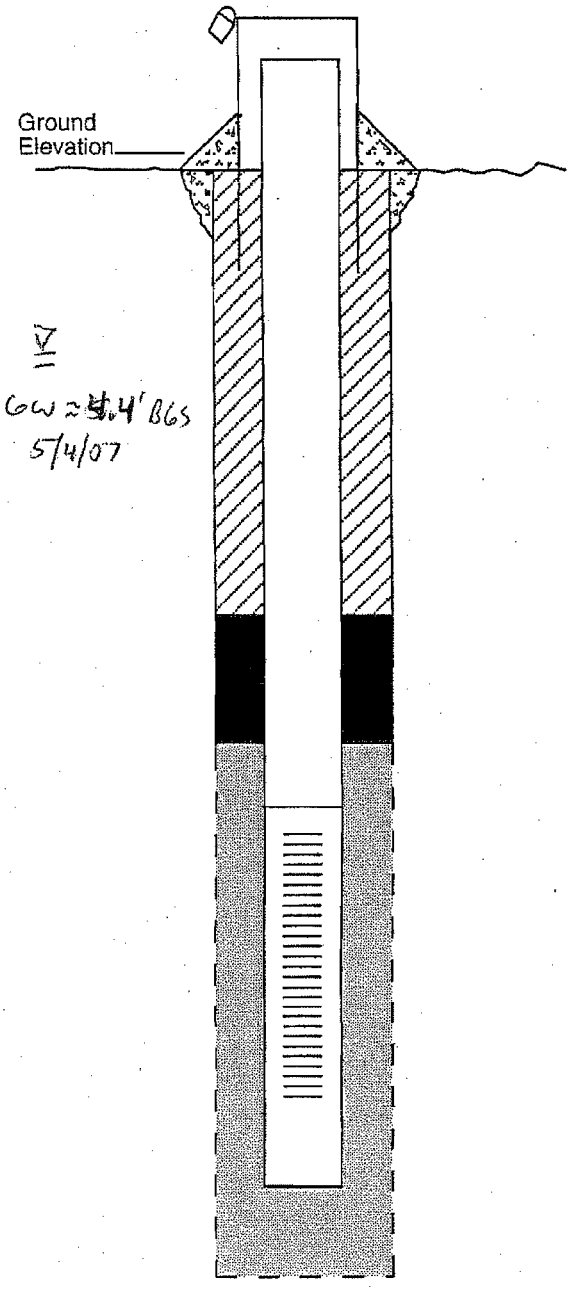
MONITORING WELL CONSTRUCTION DIAGRAM

Project Saranac Lake Gas Co. AOC _____ Driller Mike Sarro

Project No. 361206.2058.03.1 Boring No. GS-2 Drilling Method Direct Push

Date Installed 5/1/07 Development Method pump

Field Technician: M. Washburn



Stick-up of Casing Above Ground Surface: 0

Type of Surface Seal/Other Protection: Flush mount in bentonite and cement

Type of Surface Casing: steel flush mount.

ID of Surface Casing: 3"

Diameter of Borehole: 2"

Riser Pipe ID: 1"

Type of Riser Pipe: Sch 40 PVC

Type of Backfill: cement

Depth of Top of Seal: 0.5'

Type of Seal: bentonite

Depth of Top of Sand: 1' BGS

Depth of Top of Screen: 1.2' BGS

Type of Screen: Sch 40 PVC

Slot Size x Length: 0.01" x 9'

ID of Screen: 1"

Type of Sandpack: filter sand and native caving

Depth of Bottom of Screen: 10' BGS

Depth of Sediment Sump with Plug: 10' BGS

Depth of Bottom of Borehole: 10' BGS

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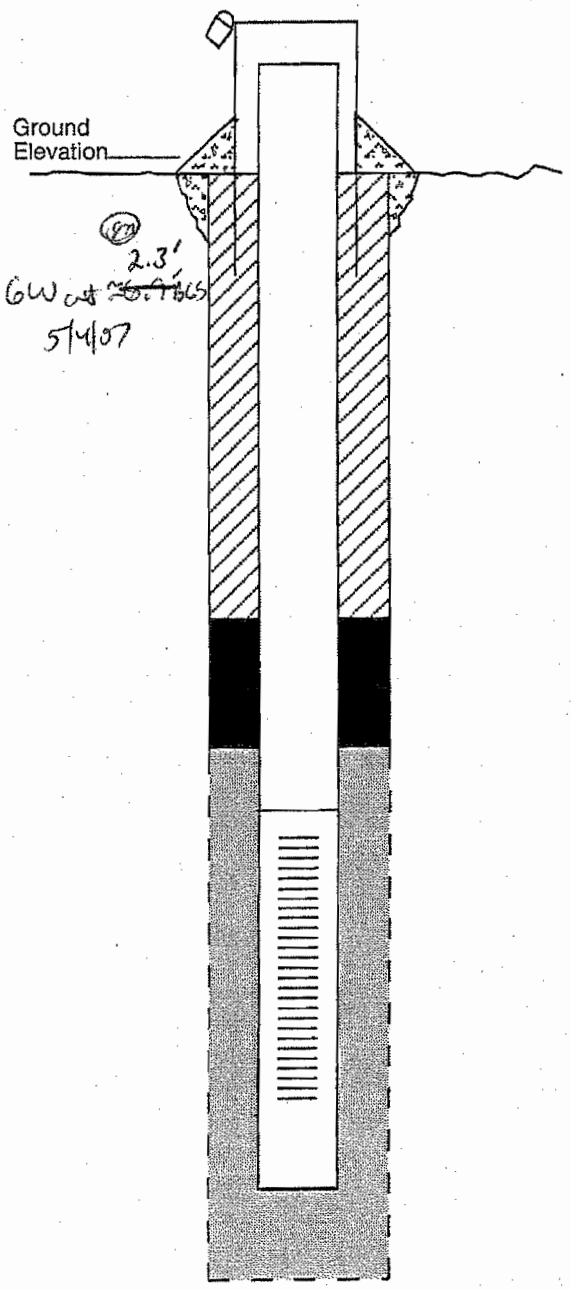
MONITORING WELL CONSTRUCTION DIAGRAM

Project Saranac Lake Gas Co. AOC _____ Driller Mike Sarro (ADT)

Project No. 36120620580-03.1 Boring No. GS-11 Drilling Method Direct Push.

Date Installed 5/2/07 Development Method pump.

Field Technician: M. Washburn



Stick-up of Casing Above Ground Surface: 0

Type of Surface Seal/Other Protection: cement

Type of Surface Casing: Steel Flushmount

ID of Surface Casing: 3"

Diameter of Borehole: 2"

Riser Pipe ID: 1"

Type of Riser Pipe: Sch 40 PVC

Type of Backfill: NA

Depth of Top of Seal: 0

Type of Seal: Cement over bentonite

Depth of Top of Sand: 1' BGS

Depth of Top of Screen: 2' BGS

Type of Screen: Sch 40 PVC

Slot Size x Length: 0.01" x 9"

ID of Screen: 1"

Type of Sandpack: filter sand and native cave

Depth of Bottom of Screen: 11' BGS

Depth of Sediment Sump with Plug: 11' BGS

Depth of Bottom of Borehole: 11' BGS

JR

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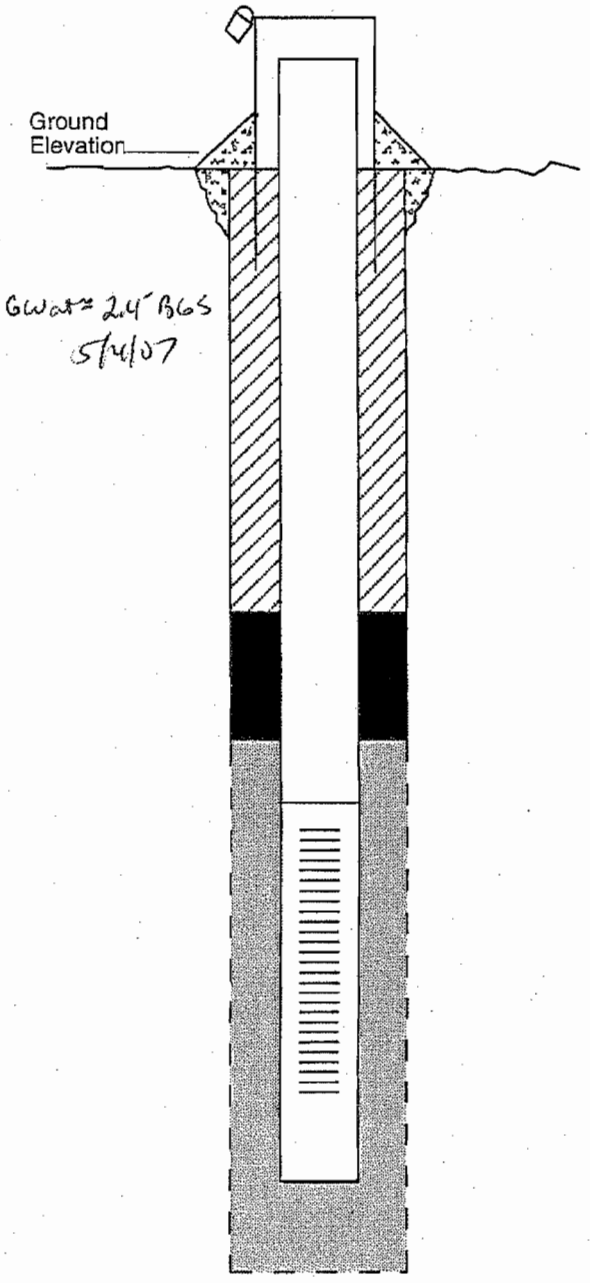
MONITORING WELL CONSTRUCTION DIAGRAM

Project Savannah River Co. AOC _____ Driller Mike Sarro (ADT)

Project No. 361206205B-03.1 Boring No. GS-14 Drilling Method Direct Push

Date Installed 5/2/07 Development Method pumping

Field Technician: Mike Washburn



Stick-up of Casing Above Ground Surface: 0

Type of Surface Seal/Other Protection: cement

Type of Surface Casing: Steel flush mount

ID of Surface Casing: 3"

Diameter of Borehole: 2"

Riser Pipe ID: 1"

Type of Riser Pipe: Sch 40 PVC

Type of Backfill: NA

Depth of Top of Seal: 0

Type of Seal: cement over bentonite

Depth of Top of Sand: 1'

Depth of Top of Screen: 2'

Type of Screen: Sch 40 PVC

Slot Size x Length: 0.01" x 9'

ID of Screen: 1"

Type of Sandpack: filter sand and native cave

Depth of Bottom of Screen: 11' BGS

Depth of Sediment Sump with Plug: 11' BGS

Depth of Bottom of Borehole: 11' BGS

JR

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APPENDIX A-3

SEDIMENT FIELD DATA RECORDS

MACTEC E & C

PAGE 1 OF 1

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Savannah Lake Gas Co | JOB NUMBER 3612062061 ~~02.5~~ 55- | DATE 5/2/07

FIELD SAMPLE NUMBER SD-01 SLSD001035CKA | ACTIVITY TIME START 1655 END 1715 | BOTTLE TIME 1705

QC SAMPLES COLLECTED

SURFACE WATER DATA

WATER DEPTH AT LOCATION 0.6' FT | SPEC. COND — UMHOS/CM | DEPTH OF SAMPLE FROM SURFACE — FT | D.O. — PPM | TEMPERATURE — DEG.C | PH — UNITS

ASSOCIATED TRIP BLANK | RINSATE BLANK

EQUIPMENT USED: [ ] BEAKER [ ] PACS BOMB [ ] PERISTALTIC PUMP [ ] FILTER/ NUMBER [ ] OTHER

TYPE OF SURFACE WATER: [X] ~~STREAM/ RIVER~~ [ ] LAKE/ POND [ ] SEEP [ ] MARSH [ ] OTHER

DECON FLUIDS USED: [ ] DI WATER N2 PURGE [ ] POTABLE WATER [X] _____

SEDIMENT DATA

ASSOCIATED TRIP BLANK | RINSATE BLANK

DEPTH OF SEDIMENT 3.2

TYPE OF SAMPLE: [X] DISCRETE (VOA) [X] COMPOSITE

SAMPLE OBSERVATIONS: ODOR sulfur/organic/diesel; COLOR Brown to dark brown

TYPE OF SEDIMENT: [X] ORGANIC trace [X] SAND [ ] GRAVEL [ ] CLAY [X] OTHER little silt

EQUIPMENT FOR COLLECTION: [X] HAND CORER [X] S.S. SPOON [X] ~~ALUMINUM~~ SS PAN [ ] S.S. SPATULA [ ] OTHER

DECON FLUIDS USED: [X] DI WATER ~~N2 PURGE~~ [ ] POTABLE WATER [X] LIQUINOX [ ] OTHER

ANALYTICAL PARAMETERS WATER

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[ ]	VOA	8260B		HCL	2-40 ml	[ ]
[ ]	SVOC	8270B		4 DEG C	2 - L ag	[ ]
[ ]	TAL Metals	6010B/7470A		HNO3	HNO3	[ ]
[ ]	PCBs	8082		4 DEG C	1 - L ag	[ ]
[ ]	DMF/2-MOE	8000 GC/PID/NPD		4 DEG C	3 -40 ml	[ ]
[ ]	Hardness	1301		HNO3	250 ml	[ ]
[ ]	Hex Cr	218.5		4 DEG C	250 ml	[ ]
[ ]	TPH	8015		4 DEG C	1 - L ag	[ ]
[ ]						[ ]
[ ]						[ ]

ANALYTICAL PARAMETERS SOIL

		METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[X]	VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	[X]
[X]	VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	[X]
[ ]	TAL Metals	6010B/7470A	4 DEG C	8 oz	[ ]
[X]	SVOC	8270B	4 DEG C	8 oz(w/metals)	[X]
[ ]	PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	[ ]
[ ]	PCBs (on site)	1A	4 DEG C	1- 4 oz	[ ]
[X]	TOC	415.1	4 DEG C	1- 4 oz	[X]
[ ]					[ ]

NOTES: located ≈ 15' upstream from culvert heading underroad. Augered to ≈ 3.5' with no sheens or contaminant odors.

SD-01

Peyerille Road

Brandy Brook

SIGNATURE: Jerry Randolph

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PAGE 1 OF ____

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Saraland Lake Corp Co | JOB NUMBER 361206206~~1-02-2~~ 58- | DATE 5/2/07

FIELD SAMPLE NUMBER SD-02 | ACTIVITY TIME START 1720 END 1755 | BOTTLE TIME 1745

SLSD002015CXX/XD/MS/MSD

QC SAMPLES COLLECTED Dup/MS/MSD

SURFACE WATER DATA

WATER DEPTH AT LOCATION 0.4-1.2 FT | SPEC. COND ___ UMHOS/CM | DEPTH OF SAMPLE FROM SURFACE ~~0.0~~ FT | D.O. ___ PPM | TEMPERATURE ___ DEG C | PH ___ UNITS

ASSOCIATED TRIP BLANK ___ | RINSATE BLANK ___

EQUIPMENT USED: [ ] BEAKER [ ] PACS BOMB [ ] PERISTALTIC PUMP [ ] FILTER/ NUMBER ___ [ ] OTHER

TYPE OF SURFACE WATER: [X] STREAM/ RIVER [ ] LAKE/ POND [ ] SEEP [ ] MARSH [ ] OTHER ___

DECON FLUIDS USED: [ ] DI WATER N2 PURGE [ ] POTABLE WATER [ ] ___

SEDIMENT DATA

ASSOCIATED TRIP BLANK ___ | RINSATE BLANK ___

DEPTH OF SEDIMENT 0-1.2

TYPE OF SAMPLE: [X] DISCRETE (GRAB) [X] COMPOSITE

SAMPLE OBSERVATIONS

ODOR slight sulfer/decay odor

COLOR Brown to dark brown to olive brown

TYPE OF SEDIMENT: [X] ORGANIC little [X] SAND [ ] GRAVEL [ ] CLAY [X] OTHER silt little

EQUIPMENT FOR COLLECTION: [X] HAND CORER [X] S.S. SPOON [X] ~~ALUMINUM~~ SS PAN [ ] S.S. SPATULA [ ] OTHER ___

DECON FLUIDS USED: [X] DI WATER ~~N2 PURGE~~ [ ] POTABLE WATER [X] LIQUINOX [ ] OTHER ___

Refusal at ≈1.5' below top of sediment on cobbles and roots (bedrock like).

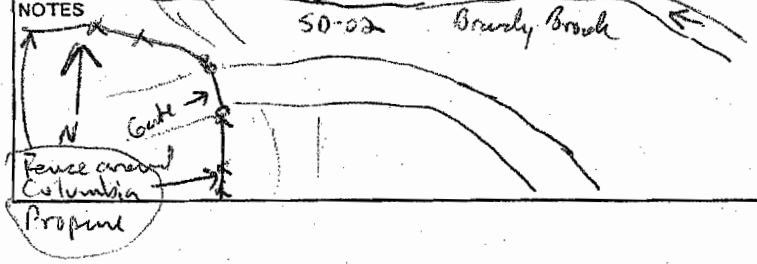
ANALYTICAL PARAMETERS WATER

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[ ]	VOA	8260B		HCL	2- 40 ml	[ ]
[ ]	SVOC	8270B		4 DEG C	2 - L ag	[ ]
[ ]	TAL Metals	6010B/7470A		HNO3	HNO3	[ ]
[ ]	PCBs	8082		4 DEG C	1 - L ag	[ ]
[ ]	DMF/2-MOE	8000 GC/FID/NPD		4 DEG C	3 -40 ml	[ ]
[ ]	Hardness	1301		HNO3	250 ml	[ ]
[ ]	Hex Cr	218.5		4 DEG C	250 ml	[ ]
[ ]	TPH	8015		4 DEG C	1 - L ag	[ ]
[ ]						[ ]
[ ]						[ ]

ANALYTICAL PARAMETERS SOIL

		METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[X]	VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	[X]
[X]	VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	[X]
[ ]	TAL Metals	6010B/7470A	4 DEG C	8 oz	[ ]
[X]	SVOC	8270B	4 DEG C	8 oz(w/metals)	[X]
[ ]	PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	[ ]
[ ]	PCBs (on site)	1A	4 DEG C	1- 4 oz	[ ]
[X]	TOC	415.1	4 DEG C	1- 4 oz	[X]
[ ]					[ ]

NOTES



SIGNATURE: Jerry Randolph

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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Saranac Lake Gas Co

JOB NUMBER 3612062061 ~~02.2~~ 58-

DATE 5/3/07

FIELD SAMPLE NUMBER SD-03 SLSD0030-2SCXA

ACTIVITY TIME START 0800 END 0835

BOTTLE TIME 0815

QC SAMPLES COLLECTED

SURFACE WATER DATA

WATER DEPTH AT LOCATION 0 - 1.5 FT

SPEC. COND ___ UMHOS/CM

DEPTH OF SAMPLE FROM SURFACE ___ FT

D.O. ___ PPM

TEMPERATURE ___ DEG C

PH ___ UNITS

ASSOCIATED TRIP BLANK

RINSATE BLANK

EQUIPMENT USED
- [ ] BEAKER
- [ ] PACS BOMB
- [ ] PERISTALTIC PUMP
- [ ] FILTER/ NUMBER ___
- [ ] OTHER

TYPE OF SURFACE WATER
- [X] STREAM/ RIVER
- [ ] LAKE/ POND
- [ ] SEEP
- [ ] MARSH
- [ ] OTHER ___

DECON FLUIDS USED:
- [ ] DI WATER N2 PURGE
- [ ] POTABLE WATER
- [ ] ___

SEDIMENT DATA

ASSOCIATED TRIP BLANK

RINSATE BLANK

DEPTH OF SEDIMENT 0 - 2'

TYPE OF SAMPLE
- [X] DISCRETE VOA
- [X] COMPOSITE

SAMPLE OBSERVATIONS

ODOR Possible mild MGP product

COLOR Brown to dark brown to very dark brown

TYPE OF SEDIMENT:
- [X] ORGANIC
- [X] SAND
- [ ] GRAVEL
- [ ] CLAY
- [X] OTHER silt

EQUIPMENT FOR COLLECTION
- [X] HAND CORER
- [X] S.S. SPOON
- [X] SS ~~ALUMINUM~~ PAN
- [ ] S.S. SPATULA
- [ ] OTHER ___

DECON FLUIDS USED
- [X] ~~DI WATER N2 PURGE~~
- [ ] POTABLE WATER
- [X] LIQUINOX
- [ ] OTHER ___

Hand auger to ~ 3' in edge of stream bed stratified fine-med brown sand with a little silt some organics becomes finer grained at depth.

Sampled in boggy floodplain area next to stream (2' away) Dark brown highly organic with lots of silt. Possible slight MGP impact odor.

Refusal at 3' on buried cobbles/roots.

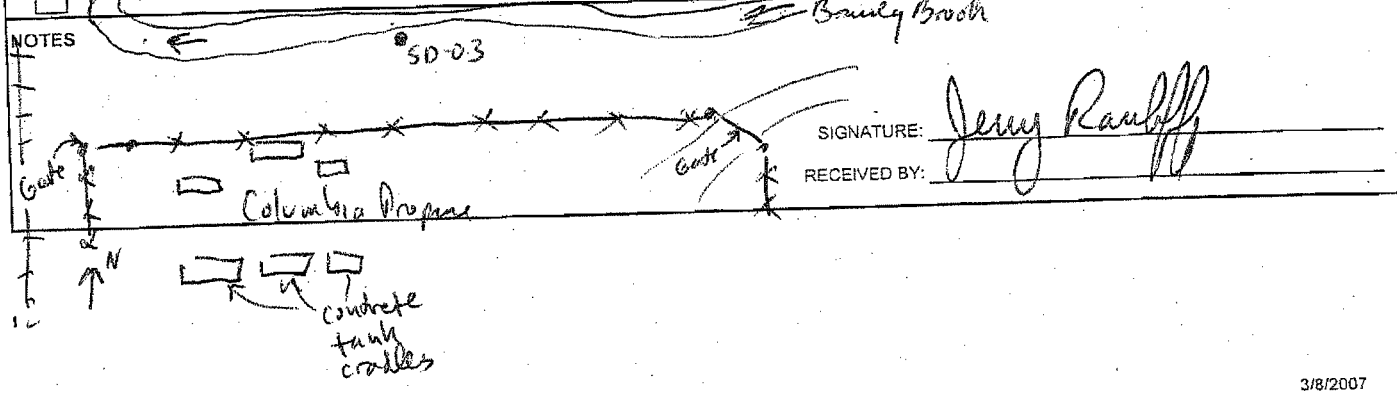
ANALYTICAL PARAMETERS WATER

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[ ] VOA	8260B		HCL	2- 40 ml	[ ]
[ ] SVOC	8270B		4 DEG C	2 - L ag	[ ]
[ ] TAL Metals	6010B/7470A		HNO3	HNO3	[ ]
[ ] PCBs	8082		4 DEG C	1 - L ag	[ ]
[ ] DMF/2-MOE	8000 GC/FID/NPD		4 DEG C	3 -40 ml	[ ]
[ ] Hardness	1301		HNO3	250 ml	[ ]
[ ] Hex Cr	218.5		4 DEG C	250 ml	[ ]
[ ] TPH	8015		4 DEG C	1 - L ag	[ ]
[ ]					[ ]
[ ]					[ ]

ANALYTICAL PARAMETERS SOIL

	METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[X] VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	[X]
[X] VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	[X]
[ ] TAL Metals	6010B/7470A	4 DEG C	8 oz	[ ]
[X] SVOC	8270B	4 DEG C	8 oz(w/metals)	[X]
[ ] PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	[ ]
[ ] PCBs (on site)	1A	4 DEG C	1- 4 oz	[ ]
[X] TOC	415.1	4 DEG C	1- 4 oz	[X]
[ ]				[ ]

NOTES



SIGNATURE: Jerry Ranlett

RECEIVED BY:

3/8/2007

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PAGE 1 OF 1

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Saranac Lake Gas Co | JOB NUMBER 361206206~~1 02.8~~ 58 | DATE 5/3/07

FIELD SAMPLE NUMBER SD-04 | ACTIVITY TIME START 0832 END 0915 | BOTTLE TIME 0905

QC SAMPLES COLLECTED SLSD05402SCXX

SURFACE WATER DATA

WATER DEPTH AT LOCATION Upto 6.5' FT | SPEC. COND ~~UMHOS/CM~~ | DEPTH OF SAMPLE FROM SURFACE ~~FT~~ | D.O. ~~PPM~~ | TEMPERATURE ~~DEG C~~ No SW sample | PH ~~UNITS~~ | ASSOCIATED TRIP BLANK ~~ | RINSATE BLANK ~~

EQUIPMENT USED: ☐ BEAKER ☐ PACS BOMB ☐ PERISTALTIC PUMP ☐ FILTER/ NUMBER ___ ☐ OTHER

TYPE OF SURFACE WATER: ☐ STREAM/ RIVER ☐ LAKE/ POND ☐ SEEP ☐ MARSH ☐ OTHER

DECON FLUIDS USED: ☐ DI WATER N2 PURGE ☐ POTABLE WATER ☐

SEDIMENT DATA

ASSOCIATED TRIP BLANK | RINSATE BLANK

DEPTH OF SEDIMENT 0 - 3.5'

TYPE OF SAMPLE: ☒ DISCRETE VOA ☒ COMPOSITE

SAMPLE OBSERVATIONS: ODOR MGP odor | COLOR Very dark brown

TYPE OF SEDIMENT: ☒ ORGANIC ☒ SAND some volatile ☐ GRAVEL ☐ CLAY ☒ OTHER silt

EQUIPMENT FOR COLLECTION: ☒ HAND CORER ☒ S.S. SPOON ☒ ~~ALUMINUM~~ SS PAN ☐ S.S. SPATULA ☐ OTHER

DECON FLUIDS USED: ☒ DI WATER ~~NO PURGE~~ ☐ POTABLE WATER ☒ LIQUINOX ☐ OTHER

Top 1.0 of sediment "clean" strata decreasing MGP odor sheen at ~2'
Augered to ~3.5' BGS
Strong MGP odor, sheen on sandy, silty, organic soils.

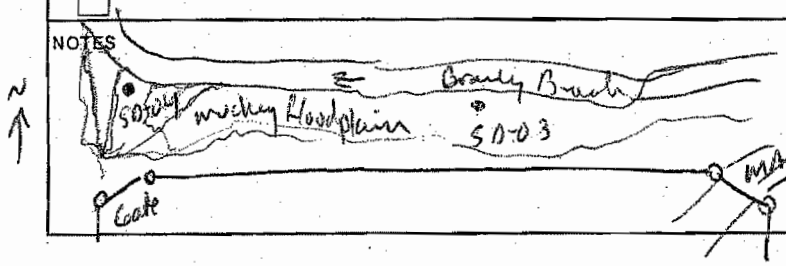
ANALYTICAL PARAMETERS WATER

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
☐	VOA	8260B		HCL	2- 40 ml	☐
☐	SVOC	8270B		4 DEG C	2 - L ag	☐
☐	TAL Metals	6010B/7470A		HNO3	HNO3	☐
☐	PCBs	8082		4 DEG C	1 - L ag	☐
☐	DMF/2-MOE	~~8000 GC/FID/NPD~~		4 DEG C	3 -40 ml	☐
☐	Hardness	1301		HNO3	250 ml	☐
☐	Hex Cr	218.5		4 DEG C	250 ml	☐
☐	TPH	8015		4 DEG C	1 - L ag	☐
☐						☐
☐						☐

ANALYTICAL PARAMETERS SOIL

		METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
☒	VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	☒
☒	VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	☒
☒	TAL Metals	6010B/7470A	4 DEG C	8 oz	☒
☒	SVOC	8270B	4 DEG C	8 oz(w/metals)	☒
☒	PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	☒
☐	PCBs (on site)	1A	4 DEG C	1- 4 oz	☐
☒	TOC	415.1	4 DEG C	1- 4 oz	☒
☐					☐

NOTES



SIGNATURE: Doug Rudloff

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PAGE 1 OF 1

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Saranac Lake Gas Co | JOB NUMBER 361206208~~1.02.2~~ 58- | DATE 5/3/07

FIELD SAMPLE NUMBER SD-05 SLSD00502SCXA | ACTIVITY TIME START 1810 END 1845 | BOTTLE TIME 1830

QC SAMPLES COLLECTED

SURFACE WATER DATA

WATER DEPTH AT LOCATION 1.5' FT | SPEC. COND UMHOS/CM | DEPTH OF SAMPLE FROM SURFACE — FT | D.O. — PPM | TEMPERATURE — DEG C | PH — UNITS

ASSOCIATED TRIP BLANK | RINSATE BLANK

EQUIPMENT USED: [ ] BEAKER [ ] PACS BOMB [ ] PERISTALTIC PUMP [ ] FILTER/ NUMBER ____ [X] OTHER

TYPE OF SURFACE WATER: [X] STREAM/RIVER [ ] LAKE/ POND [ ] SEEP [ ] MARSH [ ] OTHER ____

DECON FLUIDS USED: [ ] DI WATER N2 PURGE [ ] POTABLE WATER [ ] ____

SEDIMENT DATA

ASSOCIATED TRIP BLANK | RINSATE BLANK

DEPTH OF SEDIMENT 2.5'

TYPE OF SAMPLE: [X] DISCRETE VOST [X] COMPOSITE

SAMPLE OBSERVATIONS

ODOR Strong MGP odor when

COLOR Brown to dark grey

TYPE OF SEDIMENT: [X] ORGANIC trace [X] SAND [X] GRAVEL little [ ] CLAY [ ] OTHER ____

EQUIPMENT FOR COLLECTION: [X] HAND CORER [X] S.S. SPOON [X] ~~ALUMINUM~~ SS PAN [ ] S.S. SPATULA [ ] OTHER ____

DECON FLUIDS USED: [X] DI WATER N2 PURGE [ ] POTABLE WATER [X] LIQUINOX [ ] OTHER ____

0-1.0 Brown fine sand w/ traces of gravel & some organics

1-2 Sand, gravel and organics with strong MGP odor & sheen

2-2.5 Grey fine sand with some MGP odor

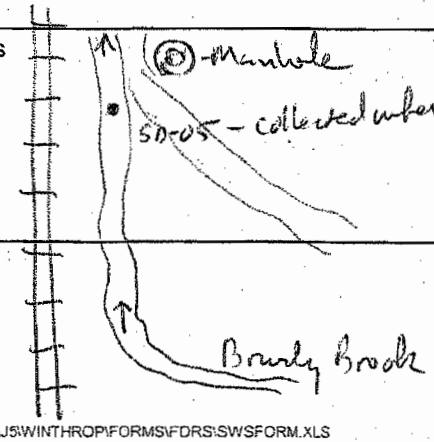
ANALYTICAL PARAMETERS WATER

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[ ] VOA	8260B		HCL	2-40 ml	[ ]
[ ] SVOC	8270B		4 DEG C	2 - L ag	[ ]
[ ] TAL Metals	6010B/7470A		HNO3	HNO3	[ ]
[ ] PCBs	8082		4 DEG C	1 - L ag	[ ]
[ ] DMF/2-MOE	8000-GC/FID/NPD		4 DEG C	3 -40 ml	[ ]
[ ] Hardness	1301		HNO3	250 ml	[ ]
[ ] Hex Cr	218.5		4 DEG C	250 ml	[ ]
[ ] TPH	8015		4 DEG C	1 - L ag	[ ]
[ ]					[ ]
[ ]					[ ]

ANALYTICAL PARAMETERS SOIL

	METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[X] VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	[X]
[X] VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	[X]
[ ] TAL Metals	6010B/7470A	4 DEG C	8 oz	[ ]
[X] SVOC	8270B	4 DEG C	8 oz(w/metals)	[X]
[ ] PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	[ ]
[ ] PCBs (on site)	1A	4 DEG C	1- 4 oz	[ ]
[X] TOC	415.1	4 DEG C	1- 4 oz	[X]
[ ]				[ ]

NOTES



SIGNATURE: Jerry Rowell

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PAGE 1 OF 1

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Saranac Lake Gas Co | JOB NUMBER 361206208~~1.02.0~~ 58- | DATE 5/3/07

FIELD SAMPLE NUMBER SD-06 SLSD0001SC00 | ACTIVITY TIME START 1735 END 1800 | BOTTLE TIME 1750

QC SAMPLES COLLECTED

SURFACE WATER DATA

WATER DEPTH AT LOCATION 1-1.5 FT | SPEC. COND ~~UMHOS/CM~~

DEPTH OF SAMPLE FROM SURFACE ~~FT~~ | D.O. ~~PPM~~

TEMPERATURE ~~DEG C~~

PH ~~UNITS~~ | ASSOCIATED TRIP BLANK | RINSATE BLANK

EQUIPMENT USED: [ ] BEAKER [ ] PACS BOMB [ ] PERISTALTIC PUMP [ ] FILTER/ NUMBER ___ [/] OTHER

TYPE OF SURFACE WATER: [X] STREAM/ RIVER [ ] LAKE/ POND [ ] SEEP [ ] MARSH [ ] OTHER ___

DECON FLUIDS USED: [ ] DI WATER N2 PURGE [ ] POTABLE WATER [/] ___

SEDIMENT DATA

ASSOCIATED TRIP BLANK | RINSATE BLANK

DEPTH OF SEDIMENT 0-2.5

TYPE OF SAMPLE: [A] DISCRETE VOA [A] COMPOSITE

SAMPLE OBSERVATIONS: ODOR Strong Mod sheen | COLOR Brown

TYPE OF SEDIMENT: [X] ORGANIC trace [X] SAND [ ] GRAVEL [ ] CLAY [ ] OTHER ___

EQUIPMENT FOR COLLECTION: [A] HAND CORER [A] S.S. SPOON [A] ~~ALUMINUM~~ SS PAN [ ] S.S. SPATULA [ ] OTHER ___

DECON FLUIDS USED: [X] DI WATER ~~N2 PURGE~~ [ ] POTABLE WATER [X] LIQUINOX [ ] OTHER ___

0-0.4 Brown sand "sheen"

0.4-1.5 is very saturated with strong sheen and odor.

ANALYTICAL PARAMETERS WATER

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[ ] VOA	8260B		HCL	2- 40 ml	[ ]
[ ] SVOC	8270B		4 DEG C	2 - L ag	[ ]
[ ] TAL Metals	6010B/7470A		HNO3	HNO3	[ ]
[ ] PCBs	8082		4 DEG C	1 - L ag	[ ]
[ ] DMF/2-MOE	8000 GC/FID/NPD		4 DEG C	3 -40 ml	[ ]
[ ] Hardness	1301		HNO3	250 ml	[ ]
[ ] Hex Cr	218.5		4 DEG C	250 ml	[ ]
[ ] TPH	8015		4 DEG C	1 - L ag	[ ]
[ ]					[ ]
[/]					[ ]

ANALYTICAL PARAMETERS SOIL

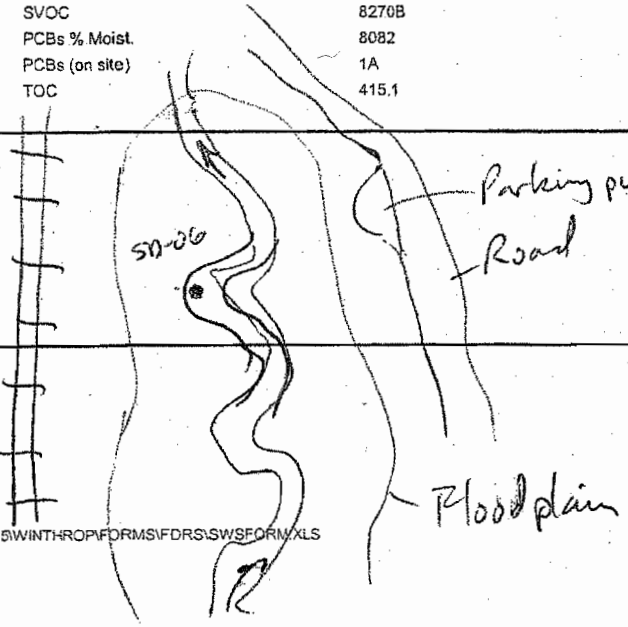
	METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[X] VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	[X]
[X] VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	[X]
[ ] TAL Metals	6010B/7470A	4 DEG C	8 oz	[ ]
[X] SVOC	8270B	4 DEG C	8 oz(w/metals)	[X]
[ ] PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	[ ]
[ ] PCBs (on site)	1A	4 DEG C	1- 4 oz	[ ]
[X] TOC	415.1	4 DEG C	1- 4 oz	[X]
[ ]				[ ]

NOTES

Sample collected from below surface water - outside of screen, very heavy.

SIGNATURE: Jerry Reed

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PAGE 1 OF 1

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Savannah Lock Gas Co | JOB NUMBER 361206206~~1 02 8~~ 58- | DATE 5/3/07

FIELD SAMPLE NUMBER SD-07 | ACTIVITY TIME START 1650 END 1735 | BOTTLE TIME 1710

QC SAMPLES COLLECTED

SURFACE WATER DATA

WATER DEPTH AT LOCATION 0.5-2' FT | SPEC. COND — UMHOS/CM | DEPTH OF SAMPLE FROM SURFACE — FT | D.O. — PPM | TEMPERATURE — DEG C | PH — UNITS

EQUIPMENT USED: [ ] BEAKER [ ] PACS BOMB [ ] PERISTALTIC PUMP [ ] FILTER/ NUMBER ____ [ ] OTHER

TYPE OF SURFACE WATER: [X] STREAM/ RIVER [ ] LAKE/ POND [ ] SEEP [ ] MARSH [ ] OTHER ____

DECON FLUIDS USED: [ ] DI WATER/N2 PURGE [ ] POTABLE WATER [ ] ____

ASSOCIATED TRIP BLANK | RINSATE BLANK

SEDIMENT DATA

ASSOCIATED TRIP BLANK | RINSATE BLANK

DEPTH OF SEDIMENT 1.0

TYPE OF SAMPLE: [X] DISCRETE VOA [X] COMPOSITE

TYPE OF SEDIMENT: [ ] ORGANIC [X] SAND [X] GRAVEL [ ] CLAY [X] OTHER Cobbles

EQUIPMENT FOR COLLECTION: [X] HAND CORER [X] S.S. SPOON [X] 55 ALUMINUM PAN [ ] S.S. SPATULA [ ] OTHER ____

DECON FLUIDS USED: [X] DI WATER ~~N2 PURGE~~ [ ] POTABLE WATER [X] LIQUINOX [ ] OTHER ____

SAMPLE OBSERVATIONS

ODOR Strong MGP odor

COLOR Brown to grey

0 - 0.5' Brown sand and gravel

0.5 - 1.0 Grey sand and gravel with strong MGP odor and strong sheen.

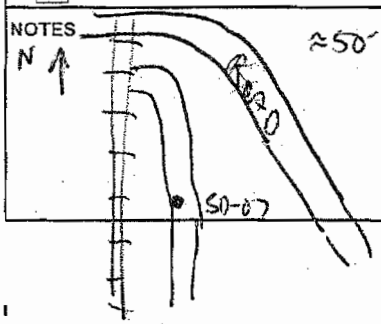
ANALYTICAL PARAMETERS WATER

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[ ]	VOA	8260B		HCL	2- 40 ml	[ ]
[ ]	SVOC	8270B		4 DEG C	2 - L ag	[ ]
[ ]	TAL Metals	6010B/7470A		HNO3	HNO3	[ ]
[ ]	PCBs	8082		4 DEG C	1 - L ag	[ ]
[ ]	DMF/2-MOE	8000-GC/FID/NPD		4 DEG C	3 -40 ml	[ ]
[ ]	Hardness	1301		HNO3	250 ml	[ ]
[ ]	Hex Cr	218.5		4 DEG C	250 ml	[ ]
[ ]	TPH	8015		4 DEG C	1 - L ag	[ ]
[ ]						[ ]
[ ]						[ ]

ANALYTICAL PARAMETERS SOIL

		METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[X]	VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	[X]
[X]	VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	[X]
[ ]	TAL Metals	6010B/7470A	4 DEG C	8 oz	[ ]
[X]	SVOC	8270B	4 DEG C	8 oz(w/metals)	[X]
[ ]	PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	[ ]
[ ]	PCBs (on site)	1A	4 DEG C	1- 4 oz	[ ]
[X]	TOC	415.1	4 DEG C	1- 4 oz	[X]
[ ]					[ ]

NOTES



≈50' from culvert under RR tracks

SIGNATURE: Jerry Ruff

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PAGE 1 OF 1

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Saranac Lake Gas Co | JOB NUMBER 361206208~~1 02.0~~ 58- | DATE 5/3/07

FIELD SAMPLE NUMBER SD-08 SLSD00802SCXX | ACTIVITY TIME START 1615 END 1640 | BOTTLE TIME 1630

QC SAMPLES COLLECTED

SURFACE WATER DATA

WATER DEPTH AT LOCATION 0.8' FT | SPEC. COND ___ UMHOS/CM | DEPTH OF SAMPLE FROM SURFACE ___ FT | D.O. ___ PPM | TEMPERATURE ___ DEG C | PH ___ UNITS

EQUIPMENT USED: [ ] BEAKER [ ] PACS BOMB [ ] PERISTALTIC PUMP [ ] FILTER/ NUMBER ___ [X] OTHER

TYPE OF SURFACE WATER: [X] STREAM/ RIVER [ ] LAKE/ POND [ ] SEEP [ ] MARSH [ ] OTHER ___

DECON FLUIDS USED: [ ] DI WATER N2 PURGE [ ] POTABLE WATER [ ] ___

ASSOCIATED TRIP BLANK ___ | RINSATE BLANK ___

SEDIMENT DATA

ASSOCIATED TRIP BLANK ___ | RINSATE BLANK ___

DEPTH OF SEDIMENT 0 - 2.5

TYPE OF SAMPLE: [X] DISCRETE VOA [X] COMPOSITE

SAMPLE OBSERVATIONS: ODOR Strong MGP odor | COLOR Brown to gray

TYPE OF SEDIMENT: [ ] ORGANIC [X] SAND [X] GRAVEL [ ] CLAY [X] OTHER cobbles

EQUIPMENT FOR COLLECTION: [X] HAND CORER [X] S.S. SPOON [X] ~~S.S.~~ ALUMINUM PAN [ ] S.S. SPATULA [ ] OTHER ___

DECON FLUIDS USED: [X] DI WATER ~~N2 PURGE~~ [ ] POTABLE WATER [X] LIQUINOX [ ] OTHER ___

0 - 1.5 Sand and gravel with some cobbles, 1.5 - 2.5 med - coarse sand and gravel MGP odor + sheen noted on cobbles at 2.5. Appear to just be getting into the MGP material.

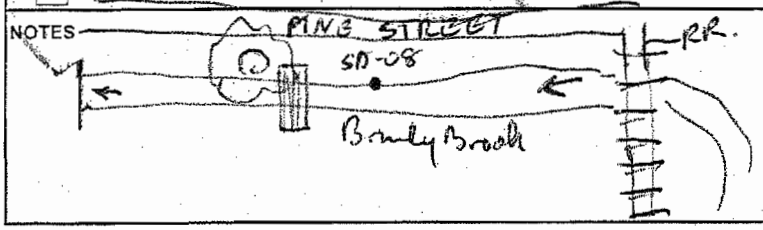
ANALYTICAL PARAMETERS WATER

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[ ]	VOA	8260B		HCL	2- 40 ml	[ ]
[ ]	SVOC	8270B		4 DEG C	2 - L ag	[ ]
[ ]	TAL Metals	6010B/7470A		HNO3	HNO3	[ ]
[ ]	PCBs	8082		4 DEG C	1 - L ag	[ ]
[ ]	DMF/2-MOE	8000 GC/FID/NPD		4 DEG C	3 -40 ml	[ ]
[ ]	Hardness	1301		HNO3	250 ml	[ ]
[ ]	Hex Cr	218.5		4 DEG C	250 ml	[ ]
[ ]	TPH	8015		4 DEG C	1 - L ag	[ ]
[ ]						[ ]
[ ]						[ ]

ANALYTICAL PARAMETERS SOIL

		METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[X]	VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	[X]
[X]	VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	[X]
[ ]	TAL Metals	6010B/7470A	4 DEG C	8 oz	[ ]
[X]	SVOC	8270B	4 DEG C	8 oz(w/metals)	[X]
[ ]	PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	[ ]
[ ]	PCBs (on site)	1A	4 DEG C	1- 4 oz	[ ]
[X]	TOC	415.1	4 DEG C	1- 4 oz	[X]
[ ]					[ ]

NOTES



SIGNATURE: Jerry Randall

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PAGE 1 OF 1

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Savannah Lake Gas Co | JOB NUMBER 361206206~~1 02 9~~ 58 | DATE 5/3/07

FIELD SAMPLE NUMBER SD-09 | ACTIVITY TIME START 1350 END 1420 | BOTTLE TIME 1405

QC SAMPLES COLLECTED SLSD000904SCXX

SURFACE WATER DATA

WATER DEPTH AT LOCATION 0.7 FT | SPEC. COND ~~UMHOS/CM~~ | DEPTH OF SAMPLE FROM SURFACE ~~FT~~ | D.O. ~~PPM~~ | TEMPERATURE ~~DEG C~~ | PH ~~UNITS~~

ASSOCIATED TRIP BLANK | RINSATE BLANK

EQUIPMENT USED: [ ] BEAKER [ ] PACS BOMB [ ] PERISTALTIC PUMP [ ] FILTER/ NUMBER ___ [ ] OTHER

TYPE OF SURFACE WATER: [ ] STREAM/ RIVER [X] LAKE/ POND [ ] SEEP [ ] MARSH [ ] OTHER

DECON FLUIDS USED: [ ] DI WATER N2 PURGE [ ] POTABLE WATER [ ]

SEDIMENT DATA

ASSOCIATED TRIP BLANK | RINSATE BLANK

DEPTH OF SEDIMENT 4.0

TYPE OF SAMPLE: [X] DISCRETE VOA [X] COMPOSITE

TYPE OF SEDIMENT: [X] ORGANIC silt [X] SAND [X] GRAVEL [ ] CLAY [ ] OTHER

EQUIPMENT FOR COLLECTION: [X] HAND CORER [X] S.S. SPOON [X] 55 ALUMINUM PAN [ ] S.S. SPATULA [ ] OTHER

DECON FLUIDS USED: [X] DI WATER ~~N2 PURGE~~ [ ] POTABLE WATER [X] LIQUINOX [ ] OTHER

SAMPLE OBSERVATIONS

ODOR Strong MGP odor

COLOR Brown to grey

0-0.4 Very soft organic silt

0.4-1.5 fine to medium sand with some organics slight MGP odor

1.5-2.5 fine to coarse sand with traces of organics sheen, MGP odor

2.5-4.0 fine to coarse sand gradual with more organics strong MGP odor and sheen.

ANALYTICAL PARAMETERS WATER

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[ ]	VOA	8260B		HCL	2- 40 ml	[ ]
[ ]	SVOC	8270B		4 DEG C	2- L ag	[ ]
[ ]	TAL Metals	6010B/7470A		~~HNO3~~	HNO3	[ ]
[ ]	PCBs	8082		4 DEG C	1 - L ag	[ ]
[ ]	DMF/2-MOE	8000 GC/FID/NPD		4 DEG C	3 -40 ml	[ ]
[ ]	Hardness	4301		HNO3	250 ml	[ ]
[ ]	Hex Cr	218.5		4 DEG C	250 ml	[ ]
[ ]	TPH	8015		4 DEG C	1 - L ag	[ ]
[ ]						[ ]
[ ]						[ ]

ANALYTICAL PARAMETERS SOIL

		METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[X]	VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	[X]
[X]	VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	[X]
[X]	TAL Metals	6010B/7470A	4 DEG C	8 oz	[X]
[X]	SVOC	8270B	4 DEG C	8 oz(w/metals)	[X]
[ ]	PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	[ ]
[ ]	PCBs (on site)	1A	4 DEG C	1- 4 oz	[ ]
[X]	TOC	415.1	4 DEG C	1- 4 oz	[X]
[X]	Other SPLP, Fingerprint etc CN, Reactivity, TCLP SV				[X]

NOTES N 2000384.41

E 590808.78

SIGNATURE: Jerry Rembert

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PAGE 1 OF 1

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Saranac Lake Gas Co | JOB NUMBER 361206206~~1 02.0~~ 58 | DATE 5/3/07

FIELD SAMPLE NUMBER SD-10 SLSD01003SCXX | ACTIVITY TIME START 1230 END 1305 | BOTTLE TIME 1250

QC SAMPLES COLLECTED

SURFACE WATER DATA

WATER DEPTH AT LOCATION 5.5' FT | SPEC. COND ___ UMHOS/CM | DEPTH OF SAMPLE FROM SURFACE ___ FT | D.O. ___ PPM | TEMPERATURE ___ DEG C | PH ___ UNITS

ASSOCIATED TRIP BLANK | RINSATE BLANK

EQUIPMENT USED: ☐ BEAKER ☐ PACS BOMB ☐ PERISTALTIC PUMP ☐ FILTER/ NUMBER ___ ☐ OTHER

TYPE OF SURFACE WATER: ☐ STREAM/ RIVER ☒ LAKE/ POND ☐ SEEP ☐ MARSH ☐ OTHER

DECON FLUIDS USED: ☐ DI WATER N2 PURGE ☐ POTABLE WATER ☐

SEDIMENT DATA

ASSOCIATED TRIP BLANK | RINSATE BLANK

DEPTH OF SEDIMENT 0 - 3.5'

TYPE OF SAMPLE: ☒ DISCRETE VOA ☒ COMPOSITE

SAMPLE OBSERVATIONS

ODOR Organic decay + poss. Paint

COLOR Very dark brown to brown

TYPE OF SEDIMENT: ☒ ORGANIC ☒ SAND ☐ GRAVEL ☐ CLAY ☒ OTHER silt little

EQUIPMENT FOR COLLECTION: ☒ HAND CORER ☒ S.S. SPOON ☒ ~~ALUMINUM~~ SS PAN ☐ S.S. SPATULA ☐ OTHER

DECON FLUIDS USED: ☒ DI WATER ~~NO PURGE~~ ☐ POTABLE WATER ☒ LIQUINOX ☐ OTHER

Estimate 2-3' of soft organic sediment with a little sand changes to hard sand at ~3' below top of sediment. Collected a composite of sample from 2.0-3.5'

Faint MGP odor from sample.

ANALYTICAL PARAMETERS WATER

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
☐	VOA	8260B		HCL	2- ~~40 ml~~	☐
☐	SVOC	8270B		4 DEG C	2 - L ag	☐
☐	TAL Metals	6010B/7470A		HNO3	HNO3	☐
☐	PCBs	8082		4 DEG C	1 - L ag	☐
☐	DMF/2-MOE	8000 GC/FID/NPD		4 DEG C	3 -40 ml	☐
☐	Hardness	1301		HNO3	250 ml	☐
☐	Hex Cr	218.5		4 DEG C	250 ml	☐
☐	TPH	8015		4 DEG C	1 - L ag	☐
☐						☐
☐						☐

ANALYTICAL PARAMETERS SOIL

		METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
☒	VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	☒
☒	VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	☒
☐	TAL Metals	6010B/7470A	4 DEG C	8 oz	☐
☒	SVOC	8270B	4 DEG C	8 oz(w/metals)	☒
☐	PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	☐
☐	PCBs (on site)	1A	4 DEG C	1- 4 oz	☐
☒	TOC	415.1	4 DEG C	1- 4 oz	☒
☐					☐

NOTES N 2000412.58 } GPS coords
E 590507.81 }

SIGNATURE: Jerry Randall

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PAGE 1 OF 1

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Savannah Lake Gas Co | JOB NUMBER 361206208~~1-02-2~~ 58- | DATE 5/3/07

FIELD SAMPLE NUMBER SD-11 | ACTIVITY TIME START 1135 END 1230 | BOTTLE TIME 1200

QC SAMPLES COLLECTED SLSD011025CX

SURFACE WATER DATA

WATER DEPTH AT LOCATION 6' FT | SPEC. COND ___ UMHOS/CM

DEPTH OF SAMPLE FROM SURFACE — FT | D.O. — PPM

TEMPERATURE — DEG C

PH — UNITS | ASSOCIATED TRIP BLANK | RINSATE BLANK

EQUIPMENT USED: [ ] BEAKER [ ] PACS BOMB [ ] PERISTALTIC PUMP [ ] FILTER/ NUMBER ___ [ ] OTHER

TYPE OF SURFACE WATER: [ ] STREAM/ RIVER [X] LAKE/ POND [ ] SEEP [ ] MARSH [ ] OTHER

DECON FLUIDS USED: [ ] DI WATER N2 PURGE [ ] POTABLE WATER [ ]

SEDIMENT DATA

ASSOCIATED TRIP BLANK | RINSATE BLANK

DEPTH OF SEDIMENT 2-3'?

TYPE OF SAMPLE: [X] DISCRETE VOA [X] COMPOSITE

SAMPLE OBSERVATIONS: ODOR hydrocarbony | COLOR Very dark brown to light brown

TYPE OF SEDIMENT: [X] ORGANIC [X] SAND [ ] GRAVEL [ ] CLAY [X] OTHER silt trace

EQUIPMENT FOR COLLECTION: [X] HAND CORER [X] S.S. SPOON [X] ~~ALUMINUM~~ SS PAN [ ] S.S. SPATULA [ ] OTHER

DECON FLUIDS USED: [X] DI WATER ~~N2 PURGE~~ [X] ~~POTABLE WATER~~ [X] LIQUINOX [ ] OTHER

Hand augered thru 1-2' of soft organic sediment into brown fine sand w/ trace of med. sand and silt. Est. bottom of sample 3'.

ANALYTICAL PARAMETERS WATER

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[ ]	VOA	8260B		HCL	2- 40 ml	[ ]
[ ]	SVOC	8270B		4 DEG C	2- L ag	[ ]
[ ]	TAL Metals	6010B/7470A		HNO3	HNO3	[ ]
[ ]	PCBs	8082		4 DEG C	1 - L ag	[ ]
[ ]	DMF/2-MOE	8000 GC/FID/NPD		4 DEG C	3 -40 ml	[ ]
[ ]	Hardness	1301		HNO3	250 ml	[ ]
[ ]	Hex Cr	218.5		4 DEG C	250 ml	[ ]
[ ]	TPH	8015		4 DEG C	1 - L ag	[ ]
[ ]						[ ]
[ ]						[ ]

ANALYTICAL PARAMETERS SOIL

		METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
[X]	VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	[X]
[X]	VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	[X]
[ ]	TAL Metals	6010B/7470A	4 DEG C	8 oz	[ ]
[X]	SVOC	8270B	4 DEG C	8 oz(w/metals)	[X]
[ ]	PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	[ ]
[ ]	PCBs (on site)	1A	4 DEG C	1- 4 oz	[ ]
[X]	TOC	415.1	4 DEG C	1- 4 oz	[X]
[ ]					[ ]

NOTES

N 2000284.60
E 590525.61

SIGNATURE: Jerry Randolph

RECEIVED BY:

MACTEC E & C

PAGE 1 OF 1

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT ~~AL Tech Steel~~ Saranac Lake Gas Co | JOB NUMBER 361206206~~1-02-2~~ 58- | DATE 5/3/07

FIELD SAMPLE NUMBER SD-12 SLS001203SCAA | ACTIVITY TIME START 1310 END 1340 | BOTTLE TIME 1330

QC SAMPLES COLLECTED

SURFACE WATER DATA

WATER DEPTH AT LOCATION 3.5' FT | SPEC. COND — UMHOS/CM | DEPTH OF SAMPLE FROM SURFACE — FT | D.O. — PPM | TEMPERATURE — DEG C | PH — UNITS

ASSOCIATED TRIP BLANK | RINSATE BLANK

EQUIPMENT USED: ☐ BEAKER ☐ PACS BOMB ☐ PERISTALTIC PUMP ☐ FILTER/ NUMBER ☐ OTHER

TYPE OF SURFACE WATER: ☐ STREAM/ RIVER ☒ LAKE/ POND ☐ SEEP ☐ MARSH ☐ OTHER

DECON FLUIDS USED: ☐ DI WATER N2 PURGE ☐ POTABLE WATER ☐

SEDIMENT DATA

ASSOCIATED TRIP BLANK | RINSATE BLANK

DEPTH OF SEDIMENT 0-5'

TYPE OF SAMPLE: ☐ DISCRETE ☐ COMPOSITE

SAMPLE OBSERVATIONS

ODOR Strong MGP odor

COLOR Dark brown

TYPE OF SEDIMENT: ☒ ORGANIC ☒ SAND fine ☐ GRAVEL ☐ CLAY ☒ OTHER silt LPB

EQUIPMENT FOR COLLECTION: ☐ HAND CORER ☐ S.S. SPOON ☐ ALUMINIUM PAN ☐ S.S. SPATULA ☐ OTHER

DECON FLUIDS USED: ☐ DI WATER N2 PURGE ☐ POTABLE WATER ☐ LIQUINOX ☐ OTHER

0-1 Soft organic sed slight odor

1-3.0 Soft organics with strong odor throughout

3-4.5 Reddish brown peaty deposit slight odor

4.5-5 Brown to grey silt/sand fine sand w/ LPB's medium sand MGP odor

ANALYTICAL PARAMETERS WATER

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
☐	VOA	8260B		HCL	2- 40 ml	☐
☐	SVOC	8270B		4 DEG C	2 - L ag	☐
☐	TAL Metals	6010B/7470A		HNO3	HNO3	☐
☐	PCBs	8082		4 DEG C	1 - L ag	☐
☐	DMF/2-MOE	8000 GC/FID/NPD		4 DEG C	3 -40 ml	☐
☐	Hardness	1301		HNO3	250 ml	☐
☐	Hex Cr	~~218.5~~		4 DEG C	250 ml	☐
☐	TPH	8015		4 DEG C	1 - L ag	☐
☐						☐
☐						☐

ANALYTICAL PARAMETERS SOIL

		METHOD NUMBER	PRESERVATION METHOD	BOTTLE TYPE VOLUME REQUIRED	SAMPLE COLLECTED
☒	VOA ml w/Tics	8260B	4 DEG C MeOH	1- 40 ml	☒
☒	VOA LL w/Tics	8260B	H2O Freeze	2- 40 ml	☒
☐	TAL Metals	6010B/7470A	4 DEG C	8 oz	☐
☒	SVOC	8270B	4 DEG C	8 oz(w/metals)	☒
☐	PCBs % Moist.	8082	4 DEG C	8 oz(w/metals)	☐
☐	PCBs (on site)	1A	4 DEG C	1- 4 oz	☐
☒	TOC	415.1	4 DEG C	1- 4 oz	☒
☐					☐

NOTES N 2000395.59
E 590647.47

SIGNATURE: Jerry Randall

RECEIVED BY:

APPENDIX B

SITE PHOTOGRAPHS

APPENDIX B



Recovery from GS-06 4 to 8



TP-01, #1



TP-01, #3 edge of slab



TP – 01, #2



TP – 01, steel pipe



TP – 02, #1



TP – 02, #2



TP – 04, #1



TP – 04, #3



TP – 04, #2



TP – 05, #1



TP – 05, #2



TP – 05, #3



TP – 05, #4

APPENDIX C

DATA USABILITY SUMMARY REPORTS AND VALIDATED RESULTS

DATA USABILITY SUMMARY REPORT (F0546)
2007 SAMPLING EVENT
SARANAC LAKE GAS CO.
SARANAC LAKE, NEW YORK

1.0 Introduction

Soil samples, test pit samples, and one groundwater sample were collected at the Saranac Lake Gas Co. site in April-May of 2007 and submitted for off-site laboratory analyses. All analyses were performed by Mitkem Corporation located in Warwick, Rhode Island.

This DUSR contains information from one sample delivery group (F046) and 5 test pit samples, 10 soil samples, and one groundwater sample requesting multiple analyses. A listing of the samples and analyses included in this investigation is presented in Table 1. A summary of the analytical results is presented in the attached Tables. Samples were analyzed for the following parameters:

- VOC by USEPA Method 8260B,
- SVOC by USEPA Method 8270C,
- Pesticides by USEPA Method 8081A,
- PCBs by USEPA Method 8082,
- Total Metals by USEPA Method 6010B,
- Mercury by USEPA Method 7470A/7471A,
- Total Cyanide by USEPA Method 9012B,

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2000).

A project chemist review was completed based on NYSDEC Division of Environmental Remediation guidance for Data Usability Summary Reports (NYSDEC, 2002). Laboratory QC limits were used during the data evaluation unless noted otherwise. The project chemist review included evaluations of sample collection, data package completeness, holding times, QC data (blanks, instrument calibrations, duplicates, surrogate recovery, and spike recovery), data transcription, electronic data reporting, calculations, and data qualification. With the exception of the items discussed below, results are interpreted to be usable as reported by the laboratory.

The following laboratory or data validation qualifiers are used in the final data presentation.

Qualifier	Applies to	Definition
U	All analytes	Target analyte is not detected at the reported detection limit
J	All analytes	Concentration is estimated
UJ	All analytes	Target analyte is not detected at the reported detection limit and is estimated
D	All analytes	Result was reported from a diluted analytical run.
R	All analytes	Result was rejected during validation
B	Metals	Estimated result. Reported result was between the method detection limit and reporting limit
N	Metals	The matrix spike recovery was outside of control limits.
N	Pest/PCB	Presumptive evidence the analyte is present in the sample.
*	Metals	The relative percent difference for the duplicate analysis was outside of limits.

Qualifier	Applies to	Definition
E	Metals	The percent difference between the initial and serial dilution sample was greater than 10%.
E	SVOC	The result is above the linear range of calibration.
P	Pest/PCB	The percent difference between results from the initial and confirmation column was greater than 25%
B	Volatiles	Analyte was detected in the method blank

Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 Volatile Organic Compounds

Blank Contamination

Methylene chloride (73 ug/kg) was detected in the low level analysis of trip blank (TBSL1). An action level was calculated at ten times the blank concentration and compared to sample results. The low level detection of methylene chloride in SLTP00106SCXX was qualified as non-detected (U). Methylene chloride was not detected in the other samples associated with TBSL1 and results were reported unqualified.

Naphthalene (4 ug/kg) was reported in the method blank (VBLK1Q) associated with samples SLTP00406SCXX and SLGS00303SCXX. An action level was calculated at five times the blank concentration and compared to sample results. Low level detections of naphthalene in SLTP00406SCXX and SLGS00303SCXX were qualified as non-detected (U).

Initial Calibration

Percent relative standard deviations (%RSDs) for dichlorodifluoromethane (18.2), bromomethane (22.6), chloroethane (16.3), 1,1-dichloroethene (19.3), acetone (34.7), iodomethane (15.1), 2-hexanone (18.7), and hexachlorobutadiene (17.1) in the initial calibration associated with a subset of samples were outside the control limit of 15.0. In addition, the average relative response factor (RRF) for acetone (0.048) was below the control limit of 0.05. Positive results for acetone were qualified as estimated (J) and non-detected results for acetone were qualified as rejected (R) in associated samples SLTP00309SCXX, SLTP00406SCXX, SLTP00502SCXX, SLGS00101SCXX, SLGS00204SCXX, SLGS00403SCXX, SLGS00303SCXX, SLGS00303SCXD, SLGS01611SCXX, SLGS00707SCXX, and SLGS00902SCXX. Dichlorodifluoromethane, bromomethane, chloroethane, 1,1-dichloroethene, iodomethane, 2-hexanone, and hexachlorobutadiene were not detected in the associated samples, and quantitation limits for these analytes were qualified as estimated (UJ) in samples SLTP00309SCXX, SLTP00406SCXX, SLTP00502SCXX, SLGS00101SCXX, SLGS00204SCXX, SLGS00403SCXX, SLGS00303SCXX, SLGS00303SCXD, SLGS01611SCXX, SLGS00707SCXX, and SLGS00902SCXX.

%RSDs for bromomethane (16.3), chloroethane (16.1). acetone (22.5), 2-butanone (18.0), 4-methyl-2-pentanone (16.2), and 2-hexanone (16.8) in the initial calibration associated with sample TP00406SCD were above the control limit of 15.0. These analytes were not detected in the sample, and quantitation limits for bromomethane, chloroethane, acetone, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone were qualified as estimated (UJ) in SLTP00406SCXD.

%RSDs for trichlorofluoromethane (22.9), acetone (24.6), and 2-hexanone (16.9) in the initial calibration associated with SLGW00508SCXX and SLGS00810SCXX were above the control limit of 15.0. In addition, the average RRFs for acetone (0.019) and 2-butanone (0.031) were below the control limit of 0.05. Acetone and 2-butanone were not detected in SLGW00508SCXX and SLGS00810SCXX, and results were qualified as rejected (R). Trichlorofluoromethane and 2-hexanone were not detected in SLGW00508SCXX and SLGS00810SCXX, and quantitation limits were qualified as estimated (UJ).

%RSDs for acetone (46.7), iodomethane (22.2), methylene chloride (26.8), trans-1,2-dichloroethene (23.7), methyl tert-butyl ether (24.0), and hexachlorobutadiene (15.1) in the initial calibration associated with a subset of samples were above the control limit of 15.0. In addition, the average RRFs for acetone (0.025) and 2-butanone (0.036) were below the control limit of 0.05. These analytes were not detected in the associated samples, and non-detected results for acetone and 2-butanone were qualified as rejected (R) in samples SLTP00203SCXX, SLTP00106SCXX, SLGS00503SCXX, and SLGS00607SCXX. Quantitation limits for iodomethane, methylene chloride, trans-1,2-dichloroethene, methyl tert-butyl ether, and hexachlorobutadiene were qualified as estimated (UJ) in samples SLTP00203SCXX, SLTP00106SCXX, SLGS00503SCXX, and SLGS00607SCXX.

Continuing Calibration

Percent differences (%Ds) between the initial calibration average RRFs and continuing calibration RRFs for chloromethane (23.4), trichlorofluoromethane (24.3), acetone (29.2), vinyl acetate (23.1), 2-butanone (25.5), 4-methyl-2-pentanone (43.0), 2-hexanone (45.2), and n-butylbenzene (21.9) were outside the control limit of 20.0 in the continuing calibration associated with a subset of samples. Positive and non-detected results for acetone and n-butylbenzene were qualified as estimated (J/UJ) in samples SLTP00502SCXX, SLGS00101SCXX, SLGS00204SCXX, SLGS00303SCXD, and SLGS01611SCXX. Chloromethane, trichlorofluoromethane, vinyl acetate, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone were not detected in the samples, and quantitation limits were qualified as estimated (UJ) in samples SLTP00502SCXX, SLGS00101SCXX, SLGS00204SCXX, SLGS00303SCXD, and SLGS01611SCXX.

%Ds for trichlorofluoromethane (38.7), acetone (27.1), 1,1-dichloroethane (20.4), 2,2-dichloropropane (25.3), 1,1,1-trichloroethane (34.0), carbon tetrachloride (24.8), 4-methyl-2-pentanone (24.7), and 2-hexanone (21.1) were outside the control limit of 20.0 in the continuing calibration associated with a subset of samples. Positive and non-detected results for these analytes in samples SLTP00309SCXX, SLGS00403SCXX, SLGS00707SCXX, and SLGS00902SCXX were qualified as estimated (J/UJ). Non-detected results for acetone in samples SLTP00309SCXX, SLGS00403SCXX, and SLGS00902SCXX were previously qualified as rejected (R) based on the initial calibration.

%Ds for dichlorodifluoromethane (33.1), bromomethane (28.4), iodomethane (20.6), and styrene (24.2) were outside the control limit of 20.0 in the continuing calibration associated with samples SLTP00406SCXX and SLGS00303SCXX. In addition, the RRFs for acetone (0.039) and 2-butanone (0.045) were below the control limit of 0.05. Positive results for acetone and 2-butanone were qualified as estimated (J), and non-detected results for acetone and 2-butanone were qualified as rejected (R) in the associated samples. Dichlorodifluoromethane, bromomethane, iodomethane, and styrene were not detected and quantitation limits were qualified as estimated (UJ) in SLTP00406SCXX and SLGS00303SCXX.

The %D for dichlorodifluoromethane (22.4) was outside the control limit of 20.0 in the continuing calibration associated with sample SLGW00508SCXX. In addition, the RRFs for acetone (0.016) and 2-butanone (0.033) were below the control limit of 0.05. Acetone and 2-butanone were not detected in the sample and were qualified as rejected (R). Dichlorodifluoromethane was not detected in SLGW00508SCXX and the quantitation limit was qualified as estimated (UJ).

%Ds for dichlorodifluoromethane (34.5), chloromethane (20.2), bromochloromethane (26.4), benzene (24.3), 1,2-dichloropropane (27.9), dibromomethane (23.6), 1,1,2-trichloroethane (26.4), 1,1,2,2-tetrachloroethane (25.7), 1,2,4-trichlorobenzene (31.5), naphthalene (31.6), and 1,2,3-trichlorobenzene (31.1) were outside the control limit of 20.0 in the continuing calibration associated with sample SLGS00810SCXX. In addition, the RRFs for acetone (0.017) and 2-butanone (0.036) were below the control limit of 0.05. Acetone and 2-butanone were not detected in the sample and were qualified as rejected (R). The positive detection of naphthalene was qualified as estimated (J). Dichlorodifluoromethane, chloromethane, bromochloromethane, benzene, 1,2-dichloropropane, dibromomethane, 1,1,2-trichloroethane, 1,1,2,2-tetrachloroethane, 1,2,4-trichlorobenzene, naphthalene, and 1,2,3-trichlorobenzene were not detected in SLGS00810SCXX and the quantitation limits were qualified as estimated (UJ).

RRFs for acetone (0.029) and 2-butanone (0.038) were below the control limit of 0.05 in the continuing calibration associated with samples SLTP00106SCXX, SLGS00503SCXX, and SLGS00607SCXX. Acetone and 2-butanone were not detected in the samples and results for these analytes were qualified as rejected (R) in SLTP00106SCXX, SLGS00503SCXX, and SLGS00607SCXX.

The %D for iodomethane (24.7) was outside the control limit of 20.0 in the continuing calibration associated with sample SLTP00203SCXX. In addition, RRFs for acetone (0.025) and 2-butanone (0.042) were below the control limit of 0.05. Acetone and 2-butanone were not detected in the sample and results for these analytes were qualified as rejected (R) in SLTP00203SCXX. Iodomethane was not detected in SLTP00203SCXX and the quantitation limit was qualified as estimated (UJ).

Surrogate Recoveries

Percent recovery of dibromofluoromethane (75) in the undiluted analysis of sample SLGW00508SCXX was below the control limit, indicating potential low biases for reported results. Positive and non-detected results reported from the initial undiluted analysis of SLGW00508SCXX were qualified as estimated (J/UJ).

Percent recoveries for all surrogates in sample SLTP00406SCXD were outside control limits. Three surrogates indicated potential low biases and one surrogate indicated potential high biases for sample results. Positive and non-detected results for all analytes in SLTP00406SCXD were qualified as estimated (J/UJ).

Percent recovery of d8-toluene (120) in sample SLTP00502SCXX was above the control limit, indicating potential high biases for positive results. Positive detections in SLTP00502SCXX were qualified as estimated (J).

Percent recovery of bromofluorobenzene (113) in sample SLGS00810SCXX was above the control limit, indicating potential high biases for positive results. Positive detections in SLGS00810SCXX were qualified as estimated (J).

Matrix Spike/Matrix Spike Duplicate

Percent recoveries for the majority of target analytes in the matrix spike/matrix spike duplicate (MS/MSD) of sample SLGS00303SCXX are below control limits, indicating potential low biases. Due to the significant number of low recoveries and based on professional judgment, positive and non-detected results for all analytes in SLGS00303SCXX and its field duplicate, SLGS00303SCXD, were qualified as estimated (J/UJ).

Percent recoveries for 1,1-dichloroethane (72, 70), dibromochloromethane (75), and bromoform (54, 58) in the MS and/or MSD associated with sample SLGS00607SCXX were below control limits. 1,1-Dichloroethane, dibromochloromethane, and bromoform were not detected in the sample, and quantitation limits were qualified as estimated (UJ) in SLGS00607SCXX.

Percent recoveries for the majority of target analytes in the matrix spike/matrix spike duplicate (MS/MSD) of sample SLTP00406SCXX are below control limits, indicating potential low biases. Due to the significant number of low recoveries and based on professional judgment, positive and non-detected results for all analytes in SLTP00406SCXX and its field duplicate, SLTP00406SCXD, were qualified as estimated (J/UJ).

Laboratory Control Sample

Percent recoveries for m,p-xylene (82), total xylenes (80), and isopropylbenzene (78) in the laboratory control sample (LCS) associated with SLTP00406SCXD were below control limits indicating potential low biases. Positive and non-detected results for isopropylbenzene, m,p-xylene, and total xylenes in sample SLTP00406SCXD were qualified as estimated (J/UJ).

The percent recovery for methylene chloride (60) in the LCS associated with samples SLTP00106SCXX, SLGS00503SCXX, and SLGS00607SCXX was below the control limit, indicating a potential low bias. Methylene chloride was not detected in the samples, and quantitation limits were qualified as estimated (UJ) in SLTP00106SCXX, SLGS00503SCXX, and SLGS00607SCXX.

Percent recoveries for methylene chloride (23), trans-1,2-dichloroethene (40), methyl tert-butyl ether (44), 1,1-dichloroethane (22), and vinyl acetate (20) in the LCS associated with sample SLTP00203SCXX were below control limits, indicating potential low biases. Methylene chloride, methyl tert-butyl ether, trans-1,2-dichloroethene, 1,1-dichloroethane, and vinyl acetate were not detected in the sample, and quantitation limits were qualified as estimated (UJ) in SLTP00203SCXX.

Internal Standards

Responses for one or more internal standards in samples SLTP00502SCXX, SLGS00303SCXD, and SLTP00406SCXD were outside control limits. Positive and non-detected results for all target analytes in samples SLGS00303SCXD and SLTP00406SCXD were qualified as estimated (J/UJ). Positive and non-detected results for the following analytes in SLTP00502SCXX were qualified as estimated (J/UJ): 1,1,2,2-tetrachloroethane, bromobenzene, 1,2,3-trichloropropane, n-propylbenzene, 2-chlorotoluene, 1,3,5-trimethylbenzene, 4-chlorotoluene, t-butylbenzene, 1,2,4-

trimethylbenzene, sec-butylbenzene, 1,3-dichlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 4-isopropyltoluene, n-butylbenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene.

Duplicates

Inconsistent results were reported for chloroform in the field duplicate analyses of SLTP00406SCXX and SLTP00406SCXD. Chloroform was reported at 11 ug/kg in SLTP00406SCXX, but was not detected in the field duplicate, SLTP00406SCXD. The positive and non-detected results for chloroform in SLTP00406SCXX and SLTP00406SCXD were qualified as estimated (J/UJ).

Inconsistent results were reported for acetone and methylene chloride in the field duplicate analyses of SLGS00303SCXX and SLGS00303SCXD. Acetone was reported non-detected in SLGS00303SCXX, but was reported at 30 ug/kg in the field duplicate, SLGS00303SCXD. Methylene chloride was detected at 30 ug/kg in SLGS00303SCXX, but was reported non-detected in the field duplicate, SLGS00303SCXD. Positive and non-detected results for acetone and methylene chloride in SLGS00303SCXX and SLGS00303SCXD were qualified as estimated (J/UJ).

3.0 Semivolatile Organic Compounds

Blank Contamination

Bis(2-ethylhexyl) phthalate (69 ug/kg) was reported in the method blank. An action level was established at ten times the concentration detected in the blank and was compared to sample data. Low level detections of bis(2-ethylhexyl) phthalate in one or more samples were qualified as non-detected (U).

Initial Calibration

The %RSD for 2,4-dinitrophenol (34.5) in the initial calibration associated with a subset of samples was outside the control limit of 30.0. The results for 2,4-dinitrophenol in all associated samples were non-detect and quantitation limits were qualified as estimated (UJ) in samples SLTP00309SCXX, SLTP00406SCXD, SLTP00502SCXX, SLGS00101SCXX, SLGS00204SCXX, SLGS00503SCXX, SLGS00403SCXX, SLGS00303SCXX, SLGS00303SCXD, SLGS01611SCXX, SLGS00607SCXX, SLGS00707SCXX, SLGS00810SCXX, and SLGS00902SCXX.

Continuing Calibration

%Ds for phenol (-21.9), acenaphthylene (23.6), acenaphthene (20.9), 4-bromophenyl-phenylether (22.6), hexachlorobenzene (25.0), pentachlorophenol (-22.2), butylbenzylphthalate (-20.6), and bis(2-ethylhexyl)phthalate (-23.5) in the continuing calibration associated with samples SLTP00203SCXX, SLTP00106SCXX, and SLTP00406SCXX were outside the control limit of 20.0. These analytes were not detected in the samples, and quantitation limits were qualified as estimated (UJ).

%Ds for nitrobenzene (-31.1), 2-nitrophenol (-43.4), 2-nitroaniline (-46.7), 2,6-dinitrotoluene (-41.9), 3-nitroaniline (-29.6), 2,4-dinitrophenol (-40.0), 4-nitrophenol (-33.7), 2,4-dinitrotoluene (-

44.0), 4-nitroaniline (-21.1), and 4,6-dinitro-2-methylphenol (-46.2) in the continuing calibration associated with a subset of samples were outside the control limit of 20.0. These analytes were not detected in the samples and quantitation limits were qualified as estimated (UJ) in samples SLTP00406SCXD, SLTP00502SCXX, SLGS00101SCXX, SLGS00204SCXX, and SLGS00403SCXX.

%Ds for 2,4-dinitrophenol (32.9), pentachlorophenol (22.6), and di-n-octylphthalate (25.3) in the continuing calibration associated with sample SLGS00707SCXX were outside the control limit of 20.0. These analytes were not detected in the sample and quantitation limits were qualified as estimated (UJ).

%Ds for n-nitroso-di-n-propylamine (-20.8), 2-nitroaniline (-20.1), and 4-nitrophenol (-23.4) in the continuing calibration associated with samples SLGS00503SCXX, SLGS00810SCXX, and SLGS00902SCXX were outside the control limit of 20.0. These analytes were not detected in the samples and quantitation limits were qualified as estimated (UJ).

Matrix Spike/Matrix Spike Duplicate

Percent recoveries for the majority of target analytes in the matrix spike/matrix spike duplicate (MS/MSD) of sample SLGS00303SCXX are below control limits, indicating potential low biases. Due to the significant number of low recoveries and based on professional judgment, positive and non-detected results for all analytes in SLGS00303SCXX and its field duplicate, SLGS00303SCXD, were qualified as estimated (J/UJ).

Percent recoveries for the majority of target analytes in the matrix spike duplicate (MSD) of sample SLTP00406SCXX are below control limits, indicating potential low biases. In addition, the majority of relative percent differences (RPDs) between MS and MSD recoveries are outside the control limit. Due to the significant number of low recoveries in the MSD and based on professional judgment, positive and non-detected results for all analytes in SLTP00406SCXX and its field duplicate, SLTP00406SCXD, were qualified as estimated (J/UJ).

Duplicates

The RPD between field duplicate results for pyrene (62) in the field duplicate analyses of SLGS00303SCXX and SLGS00303SCXD is above the control limit. Positive detections of pyrene in SLGS00303SCXX and SLGS00303SCXD were qualified as estimated (J).

Internal Standards

The response for one of six internal standards in sample SLTP00203SCXX was below the control limit. All associated target compounds were non-detected. Quantitation limits for the following target compounds were qualified as estimated (UJ) in SLTP00203SCXX: nitrobenzene, isophorone, 2-nitrophenol, 2,4-dimethylphenol, bis(2-chloroethoxy)methane, 2,4-dichlorophenol, 1,2,4-trichlorobenzene, 4-chloroaniline, hexachlorobutadiene, and 4-chloro-3-methylphenol. Target compounds naphthalene and 2-methylnaphthalene, also associated with the affected internal standard, were reported from a diluted analysis of sample SLTP00203SCXX for which all internal standards were in control and results were reported unqualified.

Responses for two of six internal standards in sample SLTP00106SCXX were below the control limits. Positive and non-detected results for the following target compounds were qualified as estimated (J/UJ) in SLTP00106SCXX: 4,6-dinitro-2-methylphenol, n-nitrosodiphenylamine, 4-

bromophenyl-phenylether, hexachlorobenzene, pentachlorophenol, anthracene, carbazole, di-n-butylphthalate, fluoranthene, di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene. The target compound phenanthrene, also associated with one of the affected internal standards, was reported from a diluted analysis of sample SLTP00106SCXX for which all internal standards were in control.

Target Compound Quantitation

The result for benzo(g,h,i)perylene in the initial analysis of sample SLGS00607SCXX was above the linear range of calibration. The sample was reanalyzed at a dilution and benzo(g,h,i)perylene was not detected in the reanalysis. The initial result over the calibration range was selected for final reporting and was qualified as estimated (J).

4.0 Pesticides

Holding Times

Samples SLTP00406SCXX, SLTP00406SCXD, and SLTP00502SCXX were initially extracted within holding times; however, numerous percent recoveries for surrogates, laboratory control samples, and matrix spike/matrix spike duplicate analyses were low and outside control limits. The samples were re-extracted outside the holding time and percent recoveries for surrogates, laboratory control samples, and most of the MS/MSD spikes were within control limits. Data from the re-extractions were selected for final reporting for SLTP00406SCXX, SLTP00406SCXD, and SLTP00502SCXX, and positive and non-detected results for all target compounds in these samples were qualified as estimated (J/UJ) based on expiration of the holding time.

Continuing Calibration

In the continuing calibration standard associated with samples SLTP00406SCXX and SLTP00406SCXD, the percent differences (%Ds) for endosulfan sulfate (16.9, 17.9) and endrin ketone (19.3, 16.0) exceed the QC limit of 15.0 on both GC columns. These analytes were not detected in the samples and quantitation limits were qualified as estimated (UJ) in SLTP00406SCXX and SLTP00406SCXD.

In the continuing calibration standards associated with sample SLTP00502SCXX, the %Ds for endrin ketone (17.7, 21.0) on the column used for reporting were outside the control limit of 15.0. In addition, the %Ds for endosulfan sulfate (17.1, 25.7) on the column used for reporting were outside the control limit. The positive detections of endrin ketone and endosulfan sulfate in SLTP00502SCXX were qualified as estimated (J).

Matrix Spike/Matrix Spike Duplicates

Percent recoveries for dieldrin (54), endrin (59), and alpha-chlordane (51) in the matrix spike associated with sample SLTP00406SCXX were below the control limits indicating potential low biases. These analytes were not detected in SLTP00406SCXX or the field duplicate, SLTP00406SCXD, and quantitation limits were qualified as estimated (UJ).

Target Compound Quantitation

The percent differences (%Ds) between the primary column and confirmatory column for endosulfan II (141), 4,4'-DDD (160), 4,4'-DDT (54.5), and endrin aldehyde (34.8) in the analysis of sample SLGS00503SCXX were above the control limit of 25. The results for 4,4'-DDT and endrin aldehyde were qualified as estimated (J). Based on %Ds greater than 70, the results for endosulfan II and 4,4'-DDD were qualified estimated with presumptive evidence the analytes are present in the sample (NJ). For all positive detections, the lower results obtained from the dual column analysis were reported.

The percent differences (%Ds) between the primary column and confirmatory column for beta-BHC (180), heptachlor epoxide (75.4), dieldrin (189), 4,4'-DDE (54.5), endosulfan II (163), endrin ketone (106), endrin aldehyde (85.7), and gamma-chlordane (91.4) in the analysis of sample SLGS00607SCXX were above the control limit of 25. The result for 4,4'-DDE was qualified as estimated (J). Based on %Ds greater than 70, the results for beta-BHC, heptachlor epoxide, dieldrin, endosulfan II, endrin ketone, endrin aldehyde, and gamma-chlordane were qualified estimated with presumptive evidence the analytes are present in the sample (NJ). For all positive detections, the lower results obtained from the dual column analysis were reported.

The percent differences (%Ds) between the primary column and confirmatory column for 4,4'-DDD (25.6), endosulfan sulfate (43.1), 4,4'-DDT (43.1), and endrin ketone (95.2) in the analysis of sample SLTP00502SCXX were above the control limit of 25. The results for 4,4'-DDD, endosulfan sulfate, and 4,4'-DDT were qualified as estimated (J). Based on a %D greater than 70, the result for endrin ketone was qualified estimated with presumptive evidence the analyte is present in the sample (NJ). For all positive detections, the lower results obtained from the dual column analysis were reported.

5.0 Polychlorinated Biphenyls (PCBs)

Holding Times

Samples SLTP00406SCXX, SLTP00406SCXD, and SLTP00502SCXX were initially extracted within holding times; however, percent recoveries for surrogates (4 – 28) were low and outside control limits. The samples were re-extracted outside the holding time and percent recoveries for surrogates, as well as laboratory control samples and MS/MSD spikes, were within control limits. Data from the re-extractions were selected for final reporting for SLTP00406SCXX, SLTP00406SCXD, and SLTP00502SCXX, and positive and non-detected results for all Aroclors in these samples were qualified as estimated (J/UJ).

6.0 Metals

Blank Contamination

Silver (0.21 mg/kg), antimony (4.4 ug/L), arsenic (3.8 ug/L), and thallium (4.2 ug/L) were detected in the instrument calibration blanks and/or preparation blank associated with the samples. Action levels were established at five times the maximum concentrations detected in the blanks and were compared to sample results. Low level detections of silver, antimony, arsenic, and thallium in one or more samples were qualified as non-detected (U).

Matrix Spike/Matrix Spike Duplicates

Percent recovery of antimony (74) in the matrix spike of sample SLTP00406SCXX was below the control limit of 75, indicating potential low biases for antimony. Positive and non-detected results for antimony in all test pit (TP) samples were qualified as estimated (J/UJ).

7.0 Wet Chemistry

Electronic Data Review

Results for cyanide reported in the electronic data deliverable did not coincide with the cyanide results reported on the hard copy Form 1s for samples SLTP00406SCXX, SLTP00406SCXD, and SLGS00607SCXX. The laboratory was contacted for verification of the correct results; corrections to the electronic deliverable were made during the data validation process.

TABLE 1

SDG	Sample Name	Date Collected	Method	Parameter	Type
F0546	SLTP00203SCXX	4/30/2007	8260B, 8270C	VOC, SVOC	FS
F0546	SLTP00309SCXX	4/30/2007	8260B, 8270C	VOC, SVOC	FS
F0546	SLTP00106SCXX	430/2007	8260B, 8270C	VOC, SVOC	FS
F0546	SLTP00406SCXX	4/30/2007	8260B, 8270C, 8081A, 8082, 6010B, 7471A, 9012B	VOC, SVOC, Pest/PCB, Metals, Cyanide	FS
F0546	SLTP00406SCXD	4/30/2007	8260B, 8270C, 8081A, 8082, 6010B, 7471A, 9012B	VOC, SVOC, Pest/PCB, Metals, Cyanide	FD
F0546	SLTP00502SCXX	4/30/2007	8260B, 8270C, 8081A, 8082, 6010B, 7471A, 9012B	VOC, SVOC, Pest/PCB, Metals, Cyanide	FS
F0546	SLGS00101SCXX	5/1/2007	8260B, 8270C	VOC, SVOC	FS
F0546	SLGS00204SCXX	5/1/2007	8260B, 8270C	VOC, SVOC	FS
F0546	SLGS00503SCXX	5/1/2007	8260B, 8270C, 8081A, 8082, 6010B, 7471A, 9012B	VOC, SVOC, Pest/PCB, Metals, Cyanide	FS
F0546	SLGS00403SCXX	5/1/2007	8260B, 8270C	VOC, SVOC	FS
F0546	SLGS00303SCXX	5/1/2007	8260B, 8270C	VOC, SVOC	FS
F0546	SLGS00303SCXD	5/1/2007	8260B, 8270C	VOC, SVOC	FD
F0546	SLGS01611SCXX	5/1/2007	8260B, 8270C	VOC, SVOC	FS
F0546	SLGW00508SCXX	5/1/2007	8260B	VOC	FS
F0546	TRIP BLANK-SL1	5/1/2007	8260B	VOC	TB
F0546	TRIP BLANK-SL2	5/1/2007	8260B	VOC	TB
F0546	SLGS00607SCXX	5/1/2007	8260B, 8270C, 8081A, 8082, 6010B, 7471A, 9012B	VOC, SVOC, Pest/PCB, Metals, Cyanide	FS
F0546	SLGS00707SCXX	5/1/2007	8260B, 8270C	VOC, SVOC	FS
F0546	SLGS00810SCXX	5/1/2007	8260B, 8270C	VOC, SVOC	FS
F0546	SLGS00902SCXX	5/1/2007	8260B, 8270C	VOC, SVOC	FS

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2000. "Analytical Services Protocols"; June 2000.

New York State Department of Environmental Conservation (NYSDEC), 2002. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; Draft DER-10; Division of Environmental Remediation; December 2002.

Data Validator: Julie Ricardi
Signature on file Date : 8/14/2007

Reviewed by: JPC

Table 1.1: Soil VOC Results

Lab Sample ID	F0546-01C		F0546-02B		F0546-03C		F0546-04C		F0546-05C		F0546-06B	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	TP-02		TP-03		TP-01		TP-04		TP-04		TP-05	
Field Sample ID	SLTP00203SCXX		SLTP00309SCXX		SLTP00106SCXX		SLTP00406SCXX		SLTP00406SCXD		SLTP00502SCXX	
Field Sample Date	4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007	
QC Code	FS		FS		FS		FS		FD		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1,1,2-Tetrachloroethane	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
1,1,1-Trichloroethane	21000	U	4	UJ	450	U	4	UJ	4	UJ	4	U
1,1,2,2-Tetrachloroethane	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
1,1,2-Trichloroethane	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
1,1-Dichloroethane	21000	UJ	4	UJ	450	U	4	UJ	4	UJ	4	U
1,1-Dichloroethene	21000	U	4	UJ	450	U	4	UJ	4	UJ	4	UJ
1,1-Dichloropropene	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
1,2,3-Trichlorobenzene	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
1,2,3-Trichloropropane	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
1,2,4-Trichlorobenzene	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
1,2,4-Trimethylbenzene	7900	J	10		2200		4	UJ	4	UJ	2	J
1,2-Dibromo-3-chloropropane	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
1,2-Dibromoethane	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
1,2-Dichlorobenzene	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
1,2-Dichloroethane	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
1,2-Dichloropropane	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
1,3,5-Trimethylbenzene	21000	U	14		1800		4	UJ	4	UJ	2	J
1,3-Dichlorobenzene	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
1,3-Dichloropropane	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
1,4-Dichlorobenzene	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
2,2-Dichloropropane	21000	U	4	UJ	450	U	4	UJ	4	UJ	4	U
2-Butanone		R	4	U		R		R	4	UJ	4	UJ
2-Chlorotoluene	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
2-Hexanone	21000	U	4	UJ	450	U	4	UJ	4	UJ	4	UJ
4-Chlorotoluene	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
4-iso-Propyltoluene	21000	U	4	U	1200		4	UJ	4	UJ	4	U
4-Methyl-2-pentanone	21000	U	4	UJ	450	U	4	UJ	4	UJ	4	UJ
Acetone		R		R		R		R	4	UJ		R
Benzene	21000	U	4	U	450	U	4	UJ	4	UJ	10	J
Bromobenzene	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
Bromochloromethane	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
Bromodichloromethane	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
Bromoform	21000	U	4	U	450	U	4	UJ	4	UJ	4	U

Table 1.1: Soil VOC Results

Lab Sample ID	F0546-01C		F0546-02B		F0546-03C		F0546-04C		F0546-05C		F0546-06B	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	TP-02		TP-03		TP-01		TP-04		TP-04		TP-05	
Field Sample ID	SLTP00203SCXX		SLTP00309SCXX		SLTP00106SCXX		SLTP00406SCXX		SLTP00406SCXD		SLTP00502SCXX	
Field Sample Date	4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007	
QC Code	FS		FS		FS		FS		FD		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Bromomethane	21000	U	4	UJ	450	U	4	UJ	4	UJ	4	UJ
Carbon disulfide	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
Carbon tetrachloride	21000	U	4	UJ	450	U	4	UJ	4	UJ	4	U
Chlorobenzene	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
Chlorodibromomethane	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
Chloroethane	21000	U	4	UJ	450	U	4	UJ	4	UJ	4	UJ
Chloroform	21000	U	4	U	450	U	11	J	4	UJ	4	U
Chloromethane	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
Cis-1,2-Dichloroethene	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
cis-1,3-Dichloropropene	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
Dibromomethane	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
Dichlorodifluoromethane	21000	U	4	UJ	450	U	4	UJ	4	UJ	4	UJ
Ethyl benzene	21000	U	0.8	J	140	J	4	UJ	4	UJ	4	U
Hexachlorobutadiene	21000	UJ	4	UJ	450	UJ	4	UJ	4	UJ	4	UJ
Iodomethane	21000	UJ	4	UJ	450	UJ	4	UJ	4	UJ	4	UJ
Isopropylbenzene	21000	U	4	U	260	J	4	UJ	4	UJ	4	UJ
Methyl Tertbutyl Ether	21000	UJ	4	U	450	UJ	4	UJ	4	UJ	4	U
Methylene chloride	21000	UJ	4	U	450	UJ	4	J	4	UJ	4	U
n-Butylbenzene	21000	U	3	J	1900		4	UJ	4	UJ	2	J
Naphthalene	440000		39	B	9500	B	4	UJ	4	UJ	12	J
o-Xylene	21000	U	24		160	J	4	UJ	4	UJ	4	U
Propylbenzene	21000	U	4	U	280	J	4	UJ	4	UJ	4	UJ
sec-Butylbenzene	21000	U	4	U	170	J	4	UJ	4	UJ	4	UJ
Styrene	21000	U	3	J	450	U	4	UJ	4	UJ	4	U
tert-Butylbenzene	21000	U	4	U	450	U	4	UJ	4	UJ	4	UJ
Tetrachloroethene	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
Toluene	21000	U	2	J	450	U	4	UJ	2	J	6	J
trans-1,2-Dichloroethene	21000	UJ	4	U	450	UJ	4	UJ	4	UJ	4	U
trans-1,3-Dichloropropene	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
Trichloroethene	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
Trichlorofluoromethane	21000	U	4	UJ	450	U	4	UJ	4	UJ	4	UJ
Vinyl acetate	21000	UJ	4	U	450	U	4	UJ	4	UJ	4	UJ
Vinyl chloride	21000	U	4	U	450	U	4	UJ	4	UJ	4	U
Xylene, m/p	6300	J	8		360	J	4	UJ	2	J	2	J

Table 1.1: Soil VOC Results

Lab Sample ID	F0546-01C		F0546-02B		F0546-03C		F0546-04C		F0546-05C		F0546-06B	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	TP-02		TP-03		TP-01		TP-04		TP-04		TP-05	
Field Sample ID	SLTP00203SCXX		SLTP00309SCXX		SLTP00106SCXX		SLTP00406SCXX		SLTP00406SCXD		SLTP00502SCXX	
Field Sample Date	4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007	
QC Code	FS		FS		FS		FS		FD		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Xylenes, Total	6300	J	33		510		4	UJ	2	J	2	J

Table 1.1: Soil VOC Results

Lab Sample ID	F0546-07B		F0546-08B		F0546-09C		F0546-10B		F0546-11B		F0546-12B	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	GS-01		GS-02		GS-05		GS-04		GS-03		GS-03	
Field Sample ID	SLGS00101SCXX		SLGS00204SCXX		SLGS00503SCXX		SLGS00403SCXX		SLGS00303SCXX		SLGS00303SCXD	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	FS		FS		FS		FS		FS		FD	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1,1,2-Tetrachloroethane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,1,1-Trichloroethane	4	U	3	U	22000	U	4	UJ	4	UJ	4	UJ
1,1,2,2-Tetrachloroethane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,1,2-Trichloroethane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,1-Dichloroethane	4	U	3	U	22000	U	4	UJ	4	UJ	4	UJ
1,1-Dichloroethene	4	UJ	3	UJ	22000	U	4	UJ	4	UJ	4	UJ
1,1-Dichloropropene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,2,3-Trichlorobenzene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,2,3-Trichloropropane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,2,4-Trichlorobenzene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,2,4-Trimethylbenzene	4	U	3	U	18000	J	4	U	4	UJ	2	J
1,2-Dibromo-3-chloropropane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,2-Dibromoethane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,2-Dichlorobenzene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,2-Dichloroethane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,2-Dichloropropane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,3,5-Trimethylbenzene	4	U	3	U	7000	J	4	U	4	UJ	1	J
1,3-Dichlorobenzene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,3-Dichloropropane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
1,4-Dichlorobenzene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
2,2-Dichloropropane	4	U	3	U	22000	U	4	UJ	4	UJ	4	UJ
2-Butanone	4	UJ	3	UJ		R	4	U		R	4	UJ
2-Chlorotoluene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
2-Hexanone	4	UJ	3	UJ	22000	U	4	UJ	4	UJ	4	UJ
4-Chlorotoluene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
4-iso-Propyltoluene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
4-Methyl-2-pentanone	4	UJ	3	UJ	22000	U	4	UJ	4	UJ	4	UJ
Acetone		R	68	J		R		R		R	30	J
Benzene	4	U	9		22000	U	4	U	4	UJ	4	J
Bromobenzene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Bromochloromethane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Bromodichloromethane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Bromoform	4	U	3	U	22000	U	4	U	4	UJ	4	UJ

Table 1.1: Soil VOC Results

Lab Sample ID	F0546-07B		F0546-08B		F0546-09C		F0546-10B		F0546-11B		F0546-12B	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	GS-01		GS-02		GS-05		GS-04		GS-03		GS-03	
Field Sample ID	SLGS00101SCXX		SLGS00204SCXX		SLGS00503SCXX		SLGS00403SCXX		SLGS00303SCXX		SLGS00303SCXD	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	FS		FS		FS		FS		FS		FD	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Bromomethane	4	UJ	3	UJ	22000	U	4	UJ	4	UJ	4	UJ
Carbon disulfide	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Carbon tetrachloride	4	U	3	U	22000	U	4	UJ	4	UJ	4	UJ
Chlorobenzene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Chlorodibromomethane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Chloroethane	4	UJ	3	UJ	22000	U	4	UJ	4	UJ	4	UJ
Chloroform	4	U	3	U	22000	U	4	U	3	J	4	UJ
Chloromethane	4	UJ	3	UJ	22000	U	4	U	4	UJ	4	UJ
Cis-1,2-Dichloroethene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
cis-1,3-Dichloropropene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Dibromomethane	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Dichlorodifluoromethane	4	UJ	3	UJ	22000	U	4	UJ	4	UJ	4	UJ
Ethyl benzene	4	U	3	U	7400	J	4	U	4	UJ	1	J
Hexachlorobutadiene	4	UJ	3	UJ	22000	UJ	4	UJ	4	UJ	4	UJ
Iodomethane	4	UJ	3	UJ	22000	UJ	4	UJ	4	UJ	4	UJ
Isopropylbenzene	4	U	3	U	22000	U	4	U	2	UJ	4	UJ
Methyl Tertbutyl Ether	4	U	3	U	22000	UJ	4	U	4	UJ	4	UJ
Methylene chloride	4	U	3	U	22000	UJ	4	U	30	J	4	UJ
n-Butylbenzene	4	UJ	3	UJ	22000	U	4	U	4	UJ	4	UJ
Naphthalene	2	J	4		500000	B	28	B	8	UJ	41	J
o-Xylene	4	U	3	U	5800	J	4	U	4	UJ	4	UJ
Propylbenzene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
sec-Butylbenzene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Styrene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
tert-Butylbenzene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Tetrachloroethene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Toluene	4	U	3	U	22000	U	4	U	4	UJ	1	J
trans-1,2-Dichloroethene	4	U	3	U	22000	UJ	4	U	4	UJ	4	UJ
trans-1,3-Dichloropropene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Trichloroethene	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Trichlorofluoromethane	4	UJ	3	UJ	22000	U	4	UJ	4	UJ	4	UJ
Vinyl acetate	4	UJ	3	UJ	22000	U	4	U	4	UJ	4	UJ
Vinyl chloride	4	U	3	U	22000	U	4	U	4	UJ	4	UJ
Xylene, m/p	4	U	3	U	11000	J	4	U	4	UJ	2	J

Table 1.1: Soil VOC Results

Lab Sample ID	F0546-07B		F0546-08B		F0546-09C		F0546-10B		F0546-11B		F0546-12B	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	GS-01		GS-02		GS-05		GS-04		GS-03		GS-03	
Field Sample ID	SLGS00101SCXX		SLGS00204SCXX		SLGS00503SCXX		SLGS00403SCXX		SLGS00303SCXX		SLGS00303SCXD	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	FS		FS		FS		FS		FS		FD	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Xylenes, Total	4	U	3	U	17000	J	4	U	4	UJ	2	J

Table 1.1: Soil VOC Results

Lab Sample ID	F0546-13B		F0546-15C		F0546-17D		F0546-18B		F0546-19C		F0546-20B	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	GS-16		QC		GS-06		GS-07		GS-08		GS-09	
Field Sample ID	SLGS01611SCXX		TRIP BLANK SL1		SLGS00607SCXX		SLGS00707SCXX		SLGS00810SCXX		SLGS00902SCXX	
Field Sample Date	5/1/2007		4/30/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	FS		TB		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1,1,2-Tetrachloroethane	4	U	250	U	130000	U	4	U	260	U	7	U
1,1,1-Trichloroethane	4	U	250	U	130000	U	4	UJ	260	U	7	UJ
1,1,2,2-Tetrachloroethane	4	U	250	U	130000	U	4	U	260	UJ	7	U
1,1,2-Trichloroethane	4	U	250	U	130000	U	4	U	260	UJ	7	U
1,1-Dichloroethane	4	U	250	U	130000	UJ	4	UJ	260	U	7	UJ
1,1-Dichloroethene	4	UJ	250	U	130000	U	4	UJ	260	U	7	UJ
1,1-Dichloropropene	4	U	250	U	130000	U	4	U	260	U	7	U
1,2,3-Trichlorobenzene	4	U	250	U	130000	U	4	U	260	UJ	7	U
1,2,3-Trichloropropane	4	U	250	U	130000	U	4	U	260	U	7	U
1,2,4-Trichlorobenzene	4	U	250	U	130000	U	4	U	260	UJ	7	U
1,2,4-Trimethylbenzene	4	U	250	U	60000	J	2	J	160	J	7	U
1,2-Dibromo-3-chloropropane	4	U	250	U	130000	U	4	U	260	U	7	U
1,2-Dibromoethane	4	U	250	U	130000	U	4	U	260	U	7	U
1,2-Dichlorobenzene	4	U	250	U	130000	U	4	U	260	U	7	U
1,2-Dichloroethane	4	U	250	U	130000	U	4	U	260	U	7	U
1,2-Dichloropropane	4	U	250	U	130000	U	4	U	260	UJ	7	U
1,3,5-Trimethylbenzene	4	U	250	U	130000	U	4	U	80	J	7	U
1,3-Dichlorobenzene	4	U	250	U	130000	U	4	U	260	U	7	U
1,3-Dichloropropane	4	U	250	U	130000	U	4	U	260	U	7	U
1,4-Dichlorobenzene	4	U	250	U	130000	U	4	U	260	U	7	U
2,2-Dichloropropane	4	U	250	U	130000	U	4	UJ	260	U	7	UJ
2-Butanone	4	UJ	250	U		R	4	U		R	7	U
2-Chlorotoluene	4	U	250	U	130000	U	4	U	260	U	7	U
2-Hexanone	4	UJ	250	U	130000	U	4	UJ	260	UJ	7	UJ
4-Chlorotoluene	4	U	250	U	130000	U	4	U	260	U	7	U
4-iso-Propyltoluene	4	U	250	U	130000	U	4	U	260	U	7	U
4-Methyl-2-pentanone	4	UJ	250	U	130000	U	4	UJ	260	U	7	UJ
Acetone		R	250	U		R	28	J		R		R
Benzene	4	U	250	U	67000	J	4	U	260	UJ	7	U
Bromobenzene	4	U	250	U	130000	U	4	U	260	U	7	U
Bromochloromethane	4	U	250	U	130000	U	4	U	260	UJ	7	U
Bromodichloromethane	4	U	250	U	130000	U	4	U	260	U	7	U
Bromoform	4	U	250	U	130000	UJ	4	U	260	U	7	U

Table 1.1: Soil VOC Results

Lab Sample ID	F0546-13B		F0546-15C		F0546-17D		F0546-18B		F0546-19C		F0546-20B	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	GS-16		QC		GS-06		GS-07		GS-08		GS-09	
Field Sample ID	SLGS01611SCXX		TRIP BLANK SL1		SLGS00607SCXX		SLGS00707SCXX		SLGS00810SCXX		SLGS00902SCXX	
Field Sample Date	5/1/2007		4/30/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	FS		TB		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Bromomethane	4	UJ	250	U	130000	U	4	UJ	260	U	7	UJ
Carbon disulfide	4	U	250	U	130000	U	4	U	260	U	7	U
Carbon tetrachloride	4	U	250	U	130000	U	4	UJ	260	U	7	UJ
Chlorobenzene	4	U	250	U	130000	U	4	U	260	U	7	U
Chlorodibromomethane	4	U	250	U	130000	UJ	4	U	260	U	7	U
Chloroethane	4	UJ	250	U	130000	U	4	UJ	260	U	7	UJ
Chloroform	4	U	250	U	130000	U	4	U	260	U	7	U
Chloromethane	4	UJ	250	U	130000	U	4	U	260	UJ	7	U
Cis-1,2-Dichloroethene	4	U	250	U	130000	U	4	U	260	U	7	U
cis-1,3-Dichloropropene	4	U	250	U	130000	U	4	U	260	U	7	U
Dibromomethane	4	U	250	U	130000	U	4	U	260	UJ	7	U
Dichlorodifluoromethane	4	UJ	250	U	130000	U	4	UJ	260	UJ	7	UJ
Ethyl benzene	4	U	250	U	100000	J	4	U	260	U	7	U
Hexachlorobutadiene	4	UJ	250	U	130000	UJ	4	UJ	260	U	7	UJ
Iodomethane	4	UJ	250	U	130000	UJ	4	UJ	260	U	7	UJ
Isopropylbenzene	4	U	250	U	130000	U	4	U	260	U	7	U
Methyl Tertbutyl Ether	4	U	250	U	130000	UJ	4	U	260	U	7	U
Methylene chloride	4	U	73	JB	130000	UJ	1	J	260	U	2	J
n-Butylbenzene	4	UJ	250	U	130000	U	4	U	260	U	7	U
Naphthalene	6		250	U	3300000	B	42	B	7800	J	38	B
o-Xylene	4	U	250	U	42000	J	4	U	260	U	7	U
Propylbenzene	4	U	250	U	130000	U	4	U	260	U	7	U
sec-Butylbenzene	4	U	250	U	130000	U	4	U	260	U	7	U
Styrene	4	U	250	U	73000	J	4	U	260	U	7	U
tert-Butylbenzene	4	U	250	U	130000	U	4	U	260	U	7	U
Tetrachloroethene	4	U	250	U	130000	U	4	U	260	U	7	U
Toluene	4	U	250	U	160000		4	U	260	U	7	U
trans-1,2-Dichloroethene	4	U	250	U	130000	UJ	4	U	260	U	7	U
trans-1,3-Dichloropropene	4	U	250	U	130000	U	4	U	260	U	7	U
Trichloroethene	4	U	250	U	130000	U	4	U	260	U	7	U
Trichlorofluoromethane	4	UJ	250	U	130000	U	4	UJ	260	UJ	7	UJ
Vinyl acetate	4	UJ	250	U	130000	U	4	U	260	U	7	U
Vinyl chloride	4	U	250	U	130000	U	4	U	260	U	7	U
Xylene, m/p	4	U	250	U	100000	J	4	U	90	J	7	U

Table 1.1: Soil VOC Results

Lab Sample ID	F0546-13B		F0546-15C		F0546-17D		F0546-18B		F0546-19C		F0546-20B	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	GS-16		QC		GS-06		GS-07		GS-08		GS-09	
Field Sample ID	SLGS01611SCXX		TRIP BLANK SL1		SLGS00607SCXX		SLGS00707SCXX		SLGS00810SCXX		SLGS00902SCXX	
Field Sample Date	5/1/2007		4/30/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	FS		TB		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Xylenes, Total	4	U	250	U	140000		4	U	90	J	.7	U

Table 1.1: Soil VOC Results

Lab Sample ID	**F0546-13B**		**F0546-15C**		**F0546-17D**		**F0546-18B**		**F0546-19C**		**F0546-20B**	
Lab Sample Delivery Group	**F0546**		**F0546**		**F0546**		**F0546**		**F0546**		**F0546**	
Loc Name	**GS-16**		**QC**		**GS-06**		**GS-07**		**GS-08**		**GS-09**	
Field Sample ID	**SLGS01611SCXX**		**TRIP BLANK SL1**		**SLGS00607SCXX**		**SLGS00707SCXX**		**SLGS00810SCXX**		**SLGS00902SCXX**	
Field Sample Date	**5/1/2007**		**4/30/2007**		**5/1/2007**		**5/1/2007**		**5/1/2007**		**5/1/2007**	
QC Code	**FS**		**TB**		**FS**		**FS**		**FS**		**FS**	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**

Notes:
Results in microgram per kilogram (µg/kg)
Samples analyzed for VOCs by Method SW846 8260B
QC Code:
FS = Field Sample
FD = Field Duplicate
TB = Trip Blank
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
B = Analyte was detected in the method blank
R = Analyte was rejected during validation

Table 1.2: Soil SVOC Results

Lab Sample ID	F0546-01A		F0546-02A		F0546-03A		F0546-04A		F0546-05A		F0546-06A	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	TP-02		TP-03		TP-01		TP-04		TP-04		TP-05	
Field Sample ID	SLTP00203SCXX		SLTP00309SCXX		SLTP00106SCXX		SLTP00406SCXX		SLTP00406SCXD		SLTP00502SCXX	
Field Sample Date	4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007	
QC Code	FS		FS		FS		FS		FD		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,2,4-Trichlorobenzene	2,100	UJ	8,000	U	400	U	380	UJ	390	UJ	2,000	U
1,2-Dichlorobenzene	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
1,3-Dichlorobenzene	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
1,4-Dichlorobenzene	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
2,4,5-Trichlorophenol	4,200	U	16,000	U	810	U	780	UJ	800	UJ	4,000	U
2,4,6-Trichlorophenol	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
2,4-Dichlorophenol	2,100	UJ	8,000	U	400	U	380	UJ	390	UJ	2,000	U
2,4-Dimethylphenol	2,100	UJ	8,000	U	400	U	380	UJ	390	UJ	2,000	U
2,4-Dinitrophenol	4,200	U	16,000	UJ	810	U	780	UJ	800	UJ	4,000	UJ
2,4-Dinitrotoluene	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	UJ
2,6-Dinitrotoluene	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	UJ
2-Chloronaphthalene	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
2-Chlorophenol	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
2-Methylnaphthalene	110000	D	6000	J	54000	D	380	UJ	390	UJ	9200	
2-Methylphenol	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
2-Nitroaniline	4,200	U	16,000	U	810	U	780	UJ	800	UJ	4,000	UJ
2-Nitrophenol	2,100	UJ	8,000	U	400	U	380	UJ	390	UJ	2,000	UJ
3,3`-Dichlorobenzidine	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
3-Nitroaniline	4,200	UJ	16,000	U	810	UJ	780	UJ	800	UJ	4,000	UJ
4,6-Dinitro-2-methylphenol	4,200	U	16,000	U	810	UJ	780	UJ	800	UJ	4,000	UJ
4-Bromophenyl phenyl ether	2,100	UJ	8,000	U	400	UJ	380	UJ	390	UJ	2,000	U
4-Chloro-3-methylphenol	2,100	UJ	8,000	U	400	U	380	UJ	390	UJ	2,000	U
4-Chloroaniline	2,100	UJ	8,000	U	400	U	380	UJ	390	UJ	2,000	U
4-Chlorophenyl phenyl ether	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
4-Methylphenol	2,100	U	8,000	U	400	U	380	UJ	390	UJ	260	J
4-Nitroaniline	4,200	U	16,000	U	810	U	780	UJ	800	UJ	4,000	UJ
4-Nitrophenol	4,200	U	16,000	U	810	U	780	UJ	800	UJ	4,000	UJ
Acenaphthene	27000	DJ	6400	J	32000	D	380	UJ	390	UJ	2400	
Acenaphthylene	86000	D	42000		4700	J	380	UJ	390	UJ	79000	D
Anthracene	36000	DJ	29000		5900	J	380	UJ	390	UJ	29000	
Benzo(a)anthracene	18,000		32,000		4,000		380	UJ	390	UJ	57,000	D
Benzo(a)pyrene	29,000		33,000		4,700	J	380	UJ	390	UJ	120,000	D
Benzo(b)fluoranthene	19,000		22,000		3,400	J	380	UJ	390	UJ	130,000	D

Table 1.2: Soil SVOC Results

Lab Sample ID	F0546-01A		F0546-02A		F0546-03A		F0546-04A		F0546-05A		F0546-06A	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	TP-02		TP-03		TP-01		TP-04		TP-04		TP-05	
Field Sample ID	SLTP00203SCXX		SLTP00309SCXX		SLTP00106SCXX		SLTP00406SCXX		SLTP00406SCXD		SLTP00502SCXX	
Field Sample Date	4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007	
QC Code	FS		FS		FS		FS		FD		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Benzo(ghi)perylene	30,000		14,000		3,100	J	64	J	390	UJ	110,000	D
Benzo(k)fluoranthene	13,000		12,000		2,000	J	380	UJ	390	UJ	64,000	D
Bis(2-Chloroethoxy)methane	2,100	UJ	8,000	U	400	U	380	UJ	390	UJ	2,000	U
Bis(2-Chloroethyl)ether	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
Bis(2-Chloroisopropyl)ether	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
Bis(2-Ethylhexyl)phthalate	2,100	UJ	8,000	U	400	UJ	380	UJ	390	UJ	2,000	U
Butylbenzylphthalate	2,100	UJ	8,000	U	400	UJ	380	UJ	390	UJ	2,000	U
Carbazole	360	J	8000	U	400	UJ	380	UJ	390	UJ	880	J
Chrysene	20,000		28,000		4,100		380	UJ	390	UJ	62,000	D
Di-n-butylphthalate	2,100	U	8,000	U	400	UJ	380	UJ	390	UJ	2,000	U
Di-n-octylphthalate	2,100	U	8,000	U	400	UJ	380	UJ	390	UJ	2,000	U
Dibenz(a,h)anthracene	4,200		2,700	J	490	J	380	UJ	390	UJ	26,000	
Dibenzofuran	3,500		8,000	U	2,200		380	UJ	390	UJ	2,000	U
Diethylphthalate	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
Dimethylphthalate	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
Fluoranthene	60000	DJ	65000		5600	J	380	UJ	390	UJ	84000	D
Fluorene	34000	DJ	20000		14000	D	380	UJ	390	UJ	13000	
Hexachlorobenzene	2,100	UJ	8,000	U	400	UJ	380	UJ	390	UJ	2,000	U
Hexachlorobutadiene	2,100	UJ	8,000	U	400	U	380	UJ	390	UJ	2,000	U
Hexachlorocyclopentadiene	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
Hexachloroethane	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
Indeno(1,2,3-cd)pyrene	18,000		9,900		1,800	J	380	UJ	390	UJ	71,000	D
Isophorone	2,100	UJ	8,000	U	400	U	380	UJ	390	UJ	2,000	U
N-Nitrosodi-n-propylamine	2,100	U	8,000	U	400	U	380	UJ	390	UJ	2,000	U
N-Nitrosodiphenylamine	2,100	U	8,000	U	400	UJ	380	UJ	390	UJ	2,000	U
Naphthalene	640000	D	900	J	5600	DJ	380	UJ	390	UJ	16000	
Nitrobenzene	2,100	UJ	8,000	U	400	U	380	UJ	390	UJ	2,000	UJ
Pentachlorophenol	4,200	UJ	16,000	U	810	UJ	780	UJ	800	UJ	4,000	U
Phenanthrene	130000	D	24000		56000	D	380	UJ	390	UJ	47000	D
Phenol	2,100	UJ	8,000	U	400	UJ	380	UJ	390	UJ	2,000	U
Pyrene	90000	D	86000		28000	D	380	UJ	390	UJ	160000	D

Table 1.2: Soil SVOC Results

Lab Sample ID	F0546-01A		F0546-02A		F0546-03A		F0546-04A		F0546-05A		F0546-06A	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	TP-02		TP-03		TP-01		TP-04		TP-04		TP-05	
Field Sample ID	SLTP00203SCXX		SLTP00309SCXX		SLTP00106SCXX		SLTP00406SCXX		SLTP00406SCXD		SLTP00502SCXX	
Field Sample Date	4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007		4/30/2007	
QC Code	FS		FS		FS		FS		FD		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**

Table 1.2: Soil SVOC Results

Lab Sample ID	F0546-07A		F0546-08A		F0546-09A		F0546-10A		F0546-11A		F0546-12A	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	GS-01		GS-02		GS-05		GS-04		GS-03		GS-03	
Field Sample ID	SLGS00101SCXX		SLGS00204SCXX		SLGS00503SCXX		SLGS00403SCXX		SLGS00303SCXX		SLGS00303SCXD	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	FS		FS		FS		FS		FS		FD	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,2,4-Trichlorobenzene	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
1,2-Dichlorobenzene	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
1,3-Dichlorobenzene	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
1,4-Dichlorobenzene	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
2,4,5-Trichlorophenol	790	U	4,100	U	36,000	U	770	U	7,900	UJ	3,900	UJ
2,4,6-Trichlorophenol	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
2,4-Dichlorophenol	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
2,4-Dimethylphenol	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
2,4-Dinitrophenol	790	UJ	4,100	UJ	36,000	UJ	770	UJ	7,900	UJ	3,900	UJ
2,4-Dinitrotoluene	390	UJ	2,000	UJ	18,000	U	380	UJ	3,900	UJ	1,900	UJ
2,6-Dinitrotoluene	390	UJ	2,000	UJ	18,000	U	380	UJ	3,900	UJ	1,900	UJ
2-Chloronaphthalene	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
2-Chlorophenol	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
2-Methylnaphthalene	390	U	3400		160000		380	U	1900	J	1300	J
2-Methylphenol	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
2-Nitroaniline	790	UJ	4,100	UJ	36,000	UJ	770	UJ	7,900	UJ	3,900	UJ
2-Nitrophenol	390	UJ	2,000	UJ	18,000	U	380	UJ	3,900	UJ	1,900	UJ
3,3`-Dichlorobenzidine	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
3-Nitroaniline	790	UJ	4,100	UJ	36,000	U	770	UJ	7,900	UJ	3,900	UJ
4,6-Dinitro-2-methylphenol	790	UJ	4,100	UJ	36,000	U	770	UJ	7,900	UJ	3,900	UJ
4-Bromophenyl phenyl ether	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
4-Chloro-3-methylphenol	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
4-Chloroaniline	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
4-Chlorophenyl phenyl ether	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
4-Methylphenol	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
4-Nitroaniline	790	UJ	4,100	UJ	36,000	U	770	UJ	7,900	UJ	3,900	UJ
4-Nitrophenol	790	UJ	4,100	UJ	36,000	UJ	770	UJ	7,900	UJ	3,900	UJ
Acenaphthene	390	U	30000		82000		380	U	5400	J	5300	J
Acenaphthylene	56	J	25000	D	110000		380	U	13000	J	12000	J
Anthracene	390	U	24000		69000		380	U	14000	J	8500	J
Benzo(a)anthracene	160	J	69,000	D	120,000		380	U	17,000	J	12,000	J
Benzo(a)pyrene	120	J	88,000	D	160,000		380	U	34,000	J	26,000	J
Benzo(b)fluoranthene	180	J	72,000	D	120,000		380	U	27,000	J	22,000	J

Table 1.2: Soil SVOC Results

Lab Sample ID	F0546-07A		F0546-08A		F0546-09A		F0546-10A		F0546-11A		F0546-12A	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
Loc Name	GS-01		GS-02		GS-05		GS-04		GS-03		GS-03	
Field Sample ID	SLGS00101SCXX		SLGS00204SCXX		SLGS00503SCXX		SLGS00403SCXX		SLGS00303SCXX		SLGS00303SCXD	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	FS		FS		FS		FS		FS		FD	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Benzo(ghi)perylene	140	J	54,000	D	90,000		380	U	24,000	J	20,000	J
Benzo(k)fluoranthene	70	J	32,000	D	55,000		380	U	12,000	J	8,600	J
Bis(2-Chloroethoxy)methane	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Bis(2-Chloroethyl)ether	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Bis(2-Chloroisopropyl)ether	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Bis(2-Ethylhexyl)phthalate	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Butylbenzylphthalate	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Carbazole	390	U	2000	U	18000	U	380	U	3900	UJ	1900	UJ
Chrysene	180	J	72,000	D	110,000		380	U	23,000	J	16,000	J
Di-n-butylphthalate	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Di-n-octylphthalate	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Dibenz(a,h)anthracene	390	U	10,000		14,000	J	380	U	3,200	J	2,900	J
Dibenzofuran	390	U	2,000	U	7,100	J	380	U	460	J	380	J
Diethylphthalate	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Dimethylphthalate	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Fluoranthene	190	J	190000	D	220000		380	U	44000	J	27000	J
Fluorene	390	U	20000		69000		380	U	6300	J	4700	J
Hexachlorobenzene	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Hexachlorobutadiene	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Hexachlorocyclopentadiene	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Hexachloroethane	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Indeno(1,2,3-cd)pyrene	100	J	36,000	D	61,000		380	U	16,000	J	14,000	J
Isophorone	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
N-Nitrosodi-n-propylamine	390	U	2,000	U	18,000	UJ	380	U	3,900	UJ	1,900	UJ
N-Nitrosodiphenylamine	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Naphthalene	390	U	10000		240000		380	U	1700	J	1100	J
Nitrobenzene	390	UJ	2,000	UJ	18,000	U	380	UJ	3,900	UJ	1,900	UJ
Pentachlorophenol	790	U	4,100	U	36,000	U	770	U	7,900	UJ	3,900	UJ
Phenanthrene	53	J	85000	D	210000		380	U	41000	J	25000	J
Phenol	390	U	2,000	U	18,000	U	380	U	3,900	UJ	1,900	UJ
Pyrene	310	J	270000	D	260000		380	U	57000	J	30000	J

Table 1.2: Soil SVOC Results

	Lab Sample ID	F0546-07A		F0546-08A		F0546-09A		F0546-10A		F0546-11A		F0546-12A	
	Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546		F0546	
	Loc Name	GS-01		GS-02		GS-05		GS-04		GS-03		GS-03	
	Field Sample ID	SLGS00101SCXX		SLGS00204SCXX		SLGS00503SCXX		SLGS00403SCXX		SLGS00303SCXX		SLGS00303SCXD	
	Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
	QC Code	FS		FS		FS		FS		FS		FD	
Parameter		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier

Table 1.2: Soil SVOC Results

Lab Sample ID	F0546-13A		F0546-17A		F0546-18A		F0546-19A		F0546-20A	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546	
Loc Name	GS-16		GS-06		GS-07		GS-08		GS-09	
Field Sample ID	SLGS01611SCXX		SLGS00607SCXX		SLGS00707SCXX		SLGS00810SCXX		SLGS00902SCXX	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	FS		FS		FS		FS		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,2,4-Trichlorobenzene	340	U	2,400	U	450	U	4,200	U	1,900	U
1,2-Dichlorobenzene	340	U	2,400	U	450	U	4,200	U	1,900	U
1,3-Dichlorobenzene	340	U	2,400	U	450	U	4,200	U	1,900	U
1,4-Dichlorobenzene	340	U	2,400	U	450	U	4,200	U	1,900	U
2,4,5-Trichlorophenol	700	U	4,900	U	910	U	8,600	U	3,800	U
2,4,6-Trichlorophenol	340	U	2,400	U	450	U	4,200	U	1,900	U
2,4-Dichlorophenol	340	U	2,400	U	450	U	4,200	U	1,900	U
2,4-Dimethylphenol	340	U	2,400	U	450	U	4,200	U	1,900	U
2,4-Dinitrophenol	700	UJ	4,900	UJ	910	UJ	8,600	UJ	3,800	UJ
2,4-Dinitrotoluene	340	U	2,400	U	450	U	4,200	U	1,900	U
2,6-Dinitrotoluene	340	U	2,400	U	450	U	4,200	U	1,900	U
2-Chloronaphthalene	340	U	2,400	U	450	U	4,200	U	1,900	U
2-Chlorophenol	340	U	2,400	U	450	U	4,200	U	1,900	U
2-Methylnaphthalene	340	U	780000	D	450	U	61000		1500	J
2-Methylphenol	340	U	2,400	U	450	U	4,200	U	1,900	U
2-Nitroaniline	700	U	4,900	U	910	U	8,600	UJ	3,800	UJ
2-Nitrophenol	340	U	2,400	U	450	U	4,200	U	1,900	U
3,3`-Dichlorobenzidine	340	U	2,400	U	450	U	4,200	U	1,900	U
3-Nitroaniline	700	U	4,900	U	910	U	8,600	U	3,800	U
4,6-Dinitro-2-methylphenol	700	U	4,900	U	910	U	8,600	U	3,800	U
4-Bromophenyl phenyl ether	340	U	2,400	U	450	U	4,200	U	1,900	U
4-Chloro-3-methylphenol	340	U	2,400	U	450	U	4,200	U	1,900	U
4-Chloroaniline	340	U	2,400	U	450	U	4,200	U	1,900	U
4-Chlorophenyl phenyl ether	340	U	2,400	U	450	U	4,200	U	1,900	U
4-Methylphenol	340	U	750	J	450	U	4,200	U	1,900	U
4-Nitroaniline	700	U	4,900	U	910	U	8,600	U	3,800	U
4-Nitrophenol	700	U	4,900	U	910	U	8,600	UJ	3,800	UJ
Acenaphthene	340	U	200000	D	450	U	24000		2900	
Acenaphthylene	340	U	600000	D	69	J	22000		4400	
Anthracene	340	U	180000	DJ	120	J	20000		7200	
Benzo(a)anthracene	340	U	140,000	DJ	190	J	8,700		13,000	
Benzo(a)pyrene	340	U	110,000	DJ	160	J	6,600		16,000	
Benzo(b)fluoranthene	340	U	86,000	DJ	120	J	5,000		13,000	

Table 1.2: Soil SVOC Results

Lab Sample ID	F0546-13A		F0546-17A		F0546-18A		F0546-19A		F0546-20A	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546	
Loc Name	GS-16		GS-06		GS-07		GS-08		GS-09	
Field Sample ID	SLGS01611SCXX		SLGS00607SCXX		SLGS00707SCXX		SLGS00810SCXX		SLGS00902SCXX	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Benzo(ghi)perylene	340	U	62,000	EJ	140	J	3,200	J	9,300	
Benzo(k)fluoranthene	340	U	31,000		66	J	1,600	J	4,800	
Bis(2-Chloroethoxy)methane	340	U	2,400	U	450	U	4,200	U	1,900	U
Bis(2-Chloroethyl)ether	340	U	2,400	U	450	U	4,200	U	1,900	U
Bis(2-Chloroisopropyl)ether	340	U	2,400	U	450	U	4,200	U	1,900	U
Bis(2-Ethylhexyl)phthalate	340	U	2,400	U	450	U	4,200	U	1,900	U
Butylbenzylphthalate	340	U	2,400	U	450	U	4,200	U	1,900	U
Carbazole	340	U	5500		450	U	4200	U	1900	U
Chrysene	340	U	110,000	DJ	140	J	6,100		12,000	
Di-n-butylphthalate	340	U	2,400	U	450	U	4,200	U	1,900	U
Di-n-octylphthalate	340	U	2,400	U	450	UJ	4,200	U	1,900	U
Dibenz(a,h)anthracene	340	U	10,000		450	U	580	J	1,500	J
Dibenzofuran	340	U	35,000		450	U	1,400	J	1,900	U
Diethylphthalate	340	U	2,400	U	450	U	4,200	U	1,900	U
Dimethylphthalate	340	U	2,400	U	450	U	4,200	U	1,900	U
Fluoranthene	340	U	430000	D	360	J	20000		20000	
Fluorene	340	U	280000	D	450	U	18000		2200	
Hexachlorobenzene	340	U	2,400	U	450	U	4,200	U	1,900	U
Hexachlorobutadiene	340	U	2,400	U	450	U	4,200	U	1,900	U
Hexachlorocyclopentadiene	340	U	2,400	U	450	U	4,200	U	1,900	U
Hexachloroethane	340	U	2,400	U	450	U	4,200	U	1,900	U
Indeno(1,2,3-cd)pyrene	340	U	39,000	DJ	90	J	2,100	J	6,400	
Isophorone	340	U	2,400	U	450	U	4,200	U	1,900	U
N-Nitrosodi-n-propylamine	340	U	2,400	U	450	U	4,200	UJ	1,900	UJ
N-Nitrosodiphenylamine	340	U	2,400	U	450	U	4,200	U	1,900	U
Naphthalene	340	U	2400000	D	450	U	72000	D	560	J
Nitrobenzene	340	U	2,400	U	450	U	4,200	U	1,900	U
Pentachlorophenol	700	U	4,900	U	910	UJ	8,600	U	3,800	U
Phenanthrene	340	U	1100000	D	400	J	54000		10000	
Phenol	340	U	2,400	U	450	U	4,200	U	1,900	U
Pyrene	340	U	610000	D	620		32000		28000	

Table 1.2: Soil SVOC Results

Lab Sample ID	**F0546-13A**		**F0546-17A**		**F0546-18A**		**F0546-19A**		**F0546-20A**	
Lab Sample Delivery Group	**F0546**		**F0546**		**F0546**		**F0546**		**F0546**	
Loc Name	**GS-16**		**GS-06**		**GS-07**		**GS-08**		**GS-09**	
Field Sample ID	**SLGS01611SCXX**		**SLGS00607SCXX**		**SLGS00707SCXX**		**SLGS00810SCXX**		**SLGS00902SCXX**	
Field Sample Date	**5/1/2007**		**5/1/2007**		**5/1/2007**		**5/1/2007**		**5/1/2007**	
QC Code	**FS**		**FS**		**FS**		**FS**		**FS**	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**

Table 1.2: Soil SVOC Results

	Lab Sample ID	F0546-13A		F0546-17A		F0546-18A		F0546-19A		F0546-20A	
	Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546	
	Loc Name	GS-16		GS-06		GS-07		GS-08		GS-09	
	Field Sample ID	SLGS01611SCXX		SLGS00607SCXX		SLGS00707SCXX		SLGS00810SCXX		SLGS00902SCXX	
	Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
	QC Code	FS		FS		FS		FS		FS	
Parameter		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier

Notes:
Results in microgram per kilogram (µg/kg)
Samples analyzed for SVOCs by Method SW846 8270C
QC Code:
FS = Field Sample
FD = Field Duplicate
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
D = Analyte was reported from a diluted analytical run
E = Analyte exceeded the calibration range of the instrument

Table 1.3: Soil Pesticide & PCB Results

Lab Sample ID	F0546-04ARE		F0546-05ARE		F0546-06ARE		F0546-09A		F0546-17A	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546	
Loc Name	TP-04		TP-04		TP-05		GS-05		GS-06	
Field Sample ID	SLTP00406SCXX		SLTP00406SCXD		SLTP00502SCXX		SLGS00503SCXX		SLGS00607SCXX	
Field Sample Date	4/30/2007		4/30/2007		4/30/2007		5/1/2007		5/1/2007	
QC Code	FS		FD		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Pesticides										
Aldrin	2	UJ	2	UJ	20	UJ	23	U	12	U
Alpha-BHC	2	UJ	2	UJ	20	UJ	23	U	12	U
Alpha-Chlordane	2	UJ	2	UJ	20	UJ	23	U	12	U
Beta-BHC	2	UJ	2	UJ	20	UJ	23	U	18	PNJ
Delta-BHC	2	UJ	2	UJ	20	UJ	23	U	12	U
Dieldrin	3.9	UJ	4	UJ	40	UJ	44	U	52	PNJ
Endosulfan I	2	UJ	2	UJ	20	UJ	23	U	12	U
Endosulfan II	3.9	UJ	4	UJ	40	UJ	78	PNJ	54	PNJ
Endosulfan sulfate	3.9	UJ	4	UJ	71	PJ	44	U	24	U
Endrin	3.9	UJ	4	UJ	40	UJ	44	U	24	U
Endrin aldehyde	3.9	UJ	4	UJ	40	UJ	190	J	200	PNJ
Endrin ketone	3.9	UJ	4	UJ	110	PNJ	44	U	58	PNJ
Gamma-BHC/Lindane	2	UJ	2	UJ	20	UJ	23	U	12	U
Gamma-Chlordane	2	UJ	2	UJ	20	UJ	23	U	41	PNJ
Heptachlor	2	UJ	2	UJ	20	UJ	23	U	12	U
Heptachlor epoxide	2	UJ	2	UJ	20	UJ	23	U	19	PNJ
Methoxychlor	20	UJ	20	UJ	200	UJ	420		120	U
Toxaphene	200	UJ	200	UJ	2000	UJ	2300	U	1200	U
PCBs										
Aroclor-1016	39	UJ	40	UJ	40	UJ	44	U	48	U
Aroclor-1221	39	UJ	40	UJ	40	UJ	44	U	48	U
Aroclor-1232	39	UJ	40	UJ	40	UJ	44	U	48	U
Aroclor-1242	39	UJ	40	UJ	40	UJ	44	U	48	U
Aroclor-1248	39	UJ	40	UJ	40	UJ	44	U	48	U
Aroclor-1254	39	UJ	40	UJ	40	UJ	44	U	48	U
Aroclor-1260	39	UJ	40	UJ	40	UJ	44	U	48	U
4,4`-DDD	3.9	UJ	4	UJ	170	J	180	PNJ	24	U
4,4`-DDE	3.9	UJ	4	UJ	40	UJ	44	U	36	PJ
4,4`-DDT	3.9	UJ	4	UJ	71	PJ	200	PJ	140	

Table 1.3: Soil Pesticide & PCB Results

Lab Sample ID	F0546-04ARE		F0546-05ARE		F0546-06ARE		F0546-09A		F0546-17A	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546	
Loc Name	TP-04		TP-04		TP-05		GS-05		GS-06	
Field Sample ID	SLTP00406SCXX		SLTP00406SCXD		SLTP00502SCXX		SLGS00503SCXX		SLGS00607SCXX	
Field Sample Date	4/30/2007		4/30/2007		4/30/2007		5/1/2007		5/1/2007	
QC Code	FS		FD		FS		FS		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier

Notes:
Results in microgram per kilogram (µg/kg)
Samples analyzed for Pesticides by Method SW846 8081A
Samples analyzed for PCBs by Method SW846 8082
QC Code:
FS = Field Sample
FD = Field Duplicate
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
P = The percent difference between columns is greater than 25%
NJ = The percent differece between columns is greater than 70%

Table 1.4: Soil Metals & Cyanide Results

Lab Sample ID	F0546-04B		F0546-05B		F0546-06A		F0546-09D		F0546-17B	
Lab Sample Delivery Group	F0546		F0546		F0546		F0546		F0546	
Loc Name	TP-04		TP-04		TP-05		GS-05		GS-06	
Field Sample ID	SLTP00406SCXX		SLTP00406SCXD		SLTP00502SCXX		SLGS00503SCXX		SLGS00607SCXX	
Field Sample Date	4/30/2007		4/30/2007		4/30/2007		5/1/2007		5/1/2007	
QC Code	FS		FD		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Metals										
Aluminum	3430		3710		2580		3870		2970	
Antimony	0.9	UJ	0.68	UJ	1	UJ	1.8	NJ	1	UJ
Arsenic	0.5	U	0.23	U	45.6		0.082	U	0.095	U
Barium	15.1		14.4		37.2		13.5		13.9	
Beryllium	0.005	U	0.0045	U	0.26	B	0.0065	U	0.0076	U
Cadmium	0.14	B	0.14	B	0.62		0.63		0.11	B
Calcium	1290		1350		1940		3330		3080	
Chromium	2.5		2.6		6.3		12.6		2.6	
Cobalt	1.3	B	1.3	B	0.55	B	2.4	B	0.72	B
Copper	1.8		1.8		28.9		28		2.8	
Iron	4650		4730		18100		7460		2070	
Lead	2.6		2.3		166		12.3		1.3	
Magnesium	736		718		1120		825		497	
Manganese	37.2		34.6		58.2		32		42.8	
Nickel	2.2		2.3		5		13.2		1.2	B
Potassium	176		172		194		125		76.5	
Selenium	1.8		1.7		10.5		3.4		0.53	B
Silver	2.9		3		8.3		3.4		0.54	U
Sodium	23.6	B	23.2	B	37.1	B	43.8	B	20.4	B
Thallium	0.15	U	0.21	U	0.93	U	0.41	U	0.12	U
Vanadium	8.2		8.4		6.7		7		4.1	
Zinc	36.8		37.9		97.2		395		9	
Mercury	0.0076	U	0.0074	U	0.25		0.0086	U	0.019	B
Cyanide										
Cyanide, Total	0.99	U	423		12.9		1.7		1.2	U

Notes:
Results in milligram per kilogram (mg/kg)
Samples analyzed for metals by Method SW846 6010B/7471A
Samples analyzed for cyanide by Method SW846 9012B
QC Code:
FS = Field Sample
FD = Field Duplicate
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated Value
B = Estimated Value. Reported result was between the MDL and RL
N = The matrix spike recovery was outside of control limits

Table 1.5: Groundwater VOC Results

Lab Sample ID	F0546-14A		F0546-16A	
Lab Sample Delivery Group	F0546		F0546	
Loc Name	GS-05		QC	
Field Sample ID	SLGW00508SCXX		TRIP BLANK SL2	
Field Sample Date	5/1/2007		4/30/2007	
QC Code	FS		TB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1,1,2-Tetrachloroethane	5	UJ	5	U
1,1,1-Trichloroethane	5	UJ	5	U
1,1,2,2-Tetrachloroethane	5	UJ	5	U
1,1,2-Trichloroethane	5	UJ	5	U
1,1-Dichloroethane	5	UJ	5	U
1,1-Dichloroethene	5	UJ	5	U
1,1-Dichloropropene	5	UJ	5	U
1,2,3-Trichlorobenzene	5	UJ	5	U
1,2,3-Trichloropropane	5	UJ	5	U
1,2,4-Trichlorobenzene	5	UJ	5	U
1,2,4-Trimethylbenzene	47	J	5	U
1,2-Dibromo-3-chloropropane	5	UJ	5	U
1,2-Dibromoethane	5	UJ	5	U
1,2-Dichlorobenzene	5	UJ	5	U
1,2-Dichloroethane	5	UJ	5	U
1,2-Dichloropropane	5	UJ	5	U
1,3,5-Trimethylbenzene	18	J	5	U
1,3-Dichlorobenzene	5	UJ	5	U
1,3-Dichloropropane	5	UJ	5	U
1,4-Dichlorobenzene	5	UJ	5	U
2,2-Dichloropropane	5	UJ	5	U
2-Butanone		R	5	U
2-Chlorotoluene	5	UJ	5	U
2-Hexanone	5	UJ	5	U
4-Chlorotoluene	5	UJ	5	U
4-iso-Propyltoluene	7	J	5	U
4-Methyl-2-pentanone	5	UJ	5	U
Acetone		R	5	U
Benzene	6	J	5	U
Bromobenzene	5	UJ	5	U
Bromochloromethane	5	UJ	5	U
Bromodichloromethane	5	UJ	5	U
Bromoform	5	UJ	5	U
Bromomethane	5	UJ	5	U
Carbon disulfide	5	UJ	5	U
Carbon tetrachloride	5	UJ	5	U
Chlorobenzene	5	UJ	5	U
Chlorodibromomethane	5	UJ	5	U
Chloroethane	5	UJ	5	U
Chloroform	5	UJ	5	U
Chloromethane	5	UJ	5	U
Cis-1,2-Dichloroethene	5	UJ	5	U
cis-1,3-Dichloropropene	5	UJ	5	U
Dibromomethane	5	UJ	5	U
Dichlorodifluoromethane	5	UJ	5	U
Ethyl benzene	44	J	5	U
Hexachlorobutadiene	5	UJ	5	U
Iodomethane	5	UJ	5	U
Isopropylbenzene	3	J	5	U
Methyl Tertbutyl Ether	5	UJ	5	U

Table 1.5: Groundwater VOC Results

Lab Sample ID	F0546-14A		F0546-16A	
Lab Sample Delivery Group	F0546		F0546	
Loc Name	GS-05		QC	
Field Sample ID	SLGW00508SCXX		TRIP BLANK SL2	
Field Sample Date	5/1/2007		4/30/2007	
QC Code	FS		TB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
Methylene chloride	5	UJ	5	U
n-Butylbenzene	5	UJ	5	U
Naphthalene	1100	D	5	U
o-Xylene	34	J	5	U
Propylbenzene	3	J	5	U
sec-Butylbenzene	5	UJ	5	U
Styrene	5	UJ	5	U
tert-Butylbenzene	5	UJ	5	U
Tetrachloroethene	5	UJ	5	U
Toluene	13	J	5	U
trans-1,2-Dichloroethene	5	UJ	5	U
trans-1,3-Dichloropropene	5	UJ	5	U
Trichloroethene	5	UJ	5	U
Trichlorofluoromethane	5	UJ	5	U
Vinyl acetate	5	UJ	5	U
Vinyl chloride	5	UJ	5	U
Xylene, m/p	60	J	5	U
Xylenes, Total	95	J	5	U

Notes:
Results in microgram per liter (µg/L)
Samples analyzed for VOCs by Method SW846 8260B
QC Code:
FS = Field Sample
TB = Trip Blank
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
R = Result was rejected during validation
D= Analyte reported from a diluted analytical run

DATA USABILITY SUMMARY REPORT (F0557)
2007 SAMPLING EVENT
SARANAC LAKE GAS CO.
SARANAC LAKE, NEW YORK

1.0 Introduction

Groundwater and soil samples were collected at the Saranac Lake Gas Co. site in May of 2007 and submitted for off-site laboratory analyses. All analyses were performed by Mitkem Corporation located in Warwick, Rhode Island. This DUSR contains information from one sample delivery group (SDG) (F0557) containing 12 groundwater samples and 6 soil samples requesting multiple analyses. A listing of the samples and analyses included in this investigation is presented in Table 1. A summary of the analytical results is presented in the attached tables. Samples were analyzed for the following parameters:

- VOC by USEPA Method 8260B,
- SVOC by USEPA Method 8270C,
- Pesticides by USEPA Method 8081A,
- PCBs by USEPA Method 8082,
- Total Metals by USEPA Method 6010B, and
- Mercury by USEPA Methods 7470A and 7471A.

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2000).

A project chemist review was completed based on NYSDEC Division of Environmental Remediation guidance for Data Usability Summary Reports (NYSDEC, 2002). Laboratory QC limits were used during the data evaluation unless noted otherwise. The project chemist review included evaluations of sample collection, data package completeness, holding times, QC data (blanks, instrument calibrations, duplicates, surrogate recovery, and spike recovery), data transcription, electronic data reporting, calculations, and data qualification. With the exception of the items discussed below, results are interpreted to be usable as reported by the laboratory.

The following laboratory or data validation qualifiers are used in the final data presentation.

Qualifier	Applies to	Definition
U	All analytes	Target analyte is not detected at the reported detection limit
J	All analytes	Concentration is estimated
UJ	All analytes	Target analyte is not detected at the reported detection limit and is estimated
D	All analytes	Result was reported from a diluted analytical run.
R	All analytes	Result was rejected during validation
B	Metals	Estimated result. Reported result was between the method detection limit and reporting limit
N	Metals	The matrix spike recovery was outside of control limits.
N	Pest/PCB	Presumptive evidence the analyte is present in the sample.
*	Metals	The relative percent difference for the duplicate analysis was outside of limits.
E	Metals	The percent difference between the initial and serial dilution sample was greater than 10%.

Qualifier	Applies to	Definition
P	Pest/PCB	The percent difference between results from the initial and confirmation column was greater than 25%
B	Volatiles	Analyte was detected in the method blank

Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 Volatile Organic Compounds

Blank Contamination

The tentatively identified compounds (TICs) dodecane, tridecane, tetradecane, unknown (17.64) and (18.29) are reported in the method blank associated with samples SLGW00211SCXX, SLGW00608SCXX, and SLGW00812SCXX. The TICs are not reported in the associated samples; no further action required.

Hexachlorobutadiene (1 µg/L), naphthalene (1 µg/L), and 1,2,3-trichlorobenzene (2 µg/L) are reported in the method blank (VBLK6M) associated with sample SLGW01411SCXX. Action levels were established at five times the reported blank concentrations. The reported result for naphthalene in sample SLGW01411SCXX is greater than the action limit, no further action required. Results for hexachlorobutadiene and 1,2,3-trichlorobenzene are non-detect, no further action required.

The TIC acetic acid (530 µg/L) is reported in the trip blank associated with all aqueous samples. Acetic acid is not reported in the associated samples; no further action required.

Naphthalene (4 ug/kg) is reported in the method blank (VBLK1Q) associated with soil samples SLGS01203SCXX, SLGS01310SCXX, SLGS01502SCXX, and SLGS01106SCXX. Naphthalene (3 ug/L) was also detected in the trip blank (TBSL3) associated with all soil samples. An action level was established at five times the maximum blank concentration and compared to sample results. Low level detections of naphthalene in SLGS01203SCXX, SLGS01310SCXX, and SLGS01502SCXX were qualified as non-detected (U).

Acetone (20 ug/L) was reported in the equipment blank (TPQT01SC) associated with all soil samples. An action level was calculated at ten times the blank concentration and compared to sample results. Low level detections of acetone in samples SLGS01106SCXX and SLGS01502SCXX were qualified as non-detected (U). Acetone was not reported in the remaining soil samples, and results were reported unqualified.

Initial Calibration

In the initial calibration, the percent relative standard deviation (%RSD) for trichlorofluoromethane (22.9), acetone (24.6), and 2-hexanone (16.9) exceeds the quality control (QC) limit of 15. The average relative response factor (RRF) for acetone (0.019) and 2-butanone (0.031) is less than the QC limit of 0.050. Associated samples are SLGW00211SCXX, SLGW00608SCXX, SLGW00812SCXX, SLGW00708SCXX, SLGW01210SCXX, SLGW00908SCXX, SLGW01210SCXD, SLGW01007SCXX, SLGW01308SCXX, and SLGW01111SCXX. The results for acetone and 2-butanone are non-detect in the associated

samples and were rejected (R). The results for trichlorofluoromethane and 2-hexanone in the associated samples are non-detect and were qualified estimated (UJ).

In the initial calibration, the %RSD for acetone (46.7), methylene chloride (26.8), trans-1,2-dichloroethene (23.7), methyl tert-butyl ether (24), and hexachlorobutadiene (15.1) exceeds the QC limit of 15. The RRF for acetone (0.025) and 2-butanone (0.036) is less than the QC limit of 0.050. Associated samples are SLGW01411SCXX and SLGW01507SCXX. The result for acetone and 2-butanone are non-detect in the associated samples and were rejected (R). The result for methylene chloride, trans-1,2-dichloroethene, methyl tert-butyl ether, and hexachlorobutadiene in the associated samples are non-detect and were qualified estimated (UJ).

Continuing Calibration

In the continuing calibration, the percent difference (%D) for dichlorodifluoromethane (22.4) exceeds the QC limit of 20. The RRF for acetone (0.016) and 2-butanone (0.033) is less than the QC limit of 0.050. Associated samples are SLGW00211SCXX, SLGW00608SCXX, and SLGW00812SCXX. The result for acetone and 2-butanone was qualified previously under the initial calibration criteria. The result for dichlorodifluoromethane in the associated samples are non-detect and were qualified estimated (UJ).

In the continuing calibration, the %D for dichlorodifluoromethane (31.5), hexachlorobutadiene (21.6), and 1,2,3-trichlorobenzene (26.9) exceeds the QC limit of 20. The RRF for acetone (0.018) and 2-butanone (0.030) is less than the QC limit of 0.050. Associated samples are SLGW00708SCXX and SLGW01210SCXX. The result for acetone and 2-butanone was qualified previously under the initial calibration criteria. The result for dichlorodifluoromethane, hexachlorobutadiene, and 1,2,3-trichlorobenzene in the associated sample are non-detect and were qualified estimated (UJ).

In the continuing calibration, the percent difference (%D) for dichlorodifluoromethane (44.8), chloromethane (22.7), vinyl chloride (21.1), bromomethane (25.2), 1,2,4-trichlorobenzene (28.6), hexachlorobutadiene (30.1), naphthalene (24.4), and 1,2,3-trichlorobenzene (31.3) exceeds the QC limit of 20. The RRF for acetone (0.017) and 2-butanone (0.029) is less than the QC limit of 0.050. Associated samples are SLGW00908SCXX, SLGW01210SCXD, SLGW01007SCXX, SLGW01308SCXX, and SLGW01111SCXX. The result for acetone and 2-butanone was qualified previously under the initial calibration criteria. The result for dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene in the associated samples were qualified estimated (J/UJ).

In the continuing calibration, the percent difference (%D) for acetone (44), methylene chloride (25.8), trans-1,2-dichloroethene (22.3), methyl tert butyl ether (29.6), 2-butanone (25), 2-hexanone (32), and bromoform (33.9) exceeds the QC limit of 20. The RRF for acetone (0.014) and 2-butanone (0.027) is less than the QC limit of 0.050. The associated sample is SLGW001411SCXX. The result for acetone and 2-butanone was qualified previously under the initial calibration criteria. The result for methylene chloride, trans-1,2-dichloroethene, methyl tert butyl ether, 2-hexanone, and bromoform in the associated sample are non-detect and were qualified estimated (UJ).

In the continuing calibration, the percent difference (%D) for vinyl chloride (34.5), trichlorofluoromethane (32.9), acetone (32), 2-butanone (44.4), 4-methyl-2-pentanone (32.2), 2-hexanone (43.6), isopropyl benzene (42.1), 1,2,3-trichloropropane (21.3), and 1,2,-dibromo-3-

chloropropane (20.8) exceeds the QC limit of 20. The RRF for acetone (0.017) and 2-butanone (0.020) is less than the QC limit of 0.050. The associated sample is SLGW01507SCXX. The result for acetone and 2-butanone was qualified previously under the initial calibration criteria. The result for vinyl chloride, trichlorofluoromethane, 4-methyl-2-pentanone , 2-hexanone, isopropyl benzene, 1,2,3-trichloropropane, and 1,2,-dibromo-3-chloropropane in the associated sample are non-detect and were qualified estimated (UJ).

Surrogate Recoveries

Dibromofluoromethane percent recovery in samples SLGW00211SCXX (71), SLGW00608SCXX (74), SLGW00812SCXX (74), and SLGW01007SCXX (79) are less than the lower QC limit of 85. Dibromofluoromethane percent recovery in sample SLGW01507SCXX (126) exceeds the upper QC limit of 115. Results in sample SLGW01507SCXX are non-detect; no further action required. Results in samples SLGW00211SCXX, SLGW00608SCXX, SLGW00812SCXX, and SLGW01007SCXX were qualified estimated (J/UJ).

Matrix Spike/Matrix Spike Duplicate

The MS/MSD percent recovery for styrene (54 and 60), 1,3,5-trimethylbenzene (70), and 1,2,4-trimethylbenzene (68 and 76) are less than the lower QC limits. The result for styrene, 1,3,5-trimethylbenzene, and 1,2,4-trimethylbenzene in the unspiked samples SLGW01210SCXX and SLGW01210SCXD are non-detect and were qualified estimated (UJ) and are potentially biased low.

Laboratory Control Sample

The (V6BLCS) percent recoveries for bromodichloromethane (88), 1,2,4-trichlorobenzene (64), and 1,2,3-trichlorobenzene (60) are less than the lower QC limits. The results for bromodichloromethane, 1,2,4-trichlorobenzene, and 1,2,3-trichlorobenzene in associated samples SLGW00908SCXX, SLGW01210SCXD, SLGW01007SCXX, SLGW01308SCXX, and SLGW01111SCXX are non-detect and were qualified estimated (UJ) and are potentially biased low.

The (V6MLCS) percent recoveries for acetone (36) and bromoform (62) are less than the lower QC limits. The results for acetone and bromoform in associated sample SLGW01411SCXX are non-detect and were qualified estimated (UJ) and are potentially biased low.
The (V6MLCS) percent recovery for 1,2-dichloroethane (126) is greater than the upper QC limit of 123. The result for 1,2-dichloroethane in associated sample SLGW01411SCXX is non-detect; no further action required.

The (V6PLCS) percent recoveries for cis-1,2-dichloroethene (60) and bromoform (68) are less than the lower QC limits. The results for cis-1,2-dichloroethene and bromoform in associated sample SLGW01507SCXX are non-detect and were qualified estimated (UJ) and are potentially biased low.

The (V6PLCS) percent recovery for trichlorofluoromethane (132) is greater than the upper QC limit of 129. The result for trichlorofluoromethane in associated sample SLGW01507SCXX is non-detect; no further action required.

The (V6YLCS) percent recovery for 1,2,4-trichlorobenzene (116) is greater than the upper QC limit of 114. The results for 1,2,4-trichlorobenzene in associated samples SLGW00211SCXX, SLGW00608SCXX, and SLGW00812SCXX are non-detect, no further action required.

Percent recoveries for m,p-xylene (82), total xylene (80), and isopropylbenzene (78) in the laboratory control sample associated with soil sample SLGS01403SCXX were below the control limits. These analytes were not detected in SLGS01403SCXX, and quantitation limits were qualified as estimated (UJ).

Quantitation

The undiluted result for naphthalene in samples SLGW00211SCXX, SLGW00608SCXX, SLGW00812SCXX, and SLGW01111SCXX exceeds the calibration range of the instrument. The undiluted result for toluene and styrene in sample SLGW00812SCXX exceeds the calibration range of the instrument. The undiluted result for ethylbenzene in sample SLGW01111SCXX exceeds the calibration range of the instrument. The samples were re-analyzed at dilution. Both sets of data are reported. The undiluted and diluted results were combined to report one result for each analyte.

3.0 Semivolatile Organic Compounds

Blank Contamination

The TIC dibenzilidene 4,4'-biphenylene is reported in the method blank. Dibenzilidene 4,4'-biphenylene is not reported in any of the samples, no further action required.

Bis(2-ethylhexyl) phthalate (40 ug/kg) was reported in the method blank (SBLK3W) associated with all soil samples. An action level was calculated at ten times the blank concentration and compared to sample results. Low level detections of bis(2-ethylhexyl) phthalate in SLGS01106SCXX, SLGS01203SCXX, SLGS01310SCXX, SLGS01403SCXX, and SLGS01502SCXX were qualified as non-detected (U).

Initial Calibration

In the initial calibration, the %RSD for 2,4-dinitrophenol (34.5) exceeds the QC limit of 30. The result for 2,4-dinitrophenol in all associated samples is non-detect and was qualified estimated (UJ).

Continuing Calibration

In the continuing calibration, the %D for n-nitroso-di-n-propylamine (21) and 4-nitrophenol (21.4) exceeds the QC limit of 20. Associated samples are SLGW00708SCXX, SLGW01210SCXX, SLGW00908SCXX, SLGW01210SCXD, SLGW01007SCXX, SLGW01308SCXX, and SLGW01411SCXX. The result for n-nitroso-di-n-propylamine and 4-nitrophenol in the associated samples are non-detect and were qualified estimated (UJ).

In the continuing calibration, the %D for n-nitroso-di-n-propylamine (24.6), 2-nitroaniline (20.6), 2,4-dintirophenol (41.2), 4-nitrophenol (21), 4,6-dinitro-2-methylphenol (24.7), and butylbenzylphthalate (24.5) exceeds the QC limit of 20. Associated samples are SLGW00211SCXX, SLGW00608SCXX, and SLGW01507SCXX. The result for n-nitroso-di-n-

propylamine, 2-nitroaniline, 2,4-dintirophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, and butylbenzylphthalate in the associated samples are non-detect and were qualified estimated (UJ).

In the continuing calibration, the %D for n-nitroso-di-n-propylamine (27.2), 2-nitroaniline (20.6), 2,4-dintirophenol (60), 4-nitrophenol (23.4), 4,6-dinitro-2-methylphenol (32.2), indeno (1,2,3-cd) pyrene (22.5), dibenzo (a,h) anthracene (21.6), and benzo (g,h,i) perylene (26.2) exceeds the QC limit of 20. Associated samples are SLGW00812SCXX and SLGW01111SCXX. The result for n-nitroso-di-n-propylamine, 2-nitroaniline, 2,4-dintirophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, indeno (1,2,3-cd) pyrene, dibenzo (a,h) anthracene, and benzo (g,h,i) perylene in the associated samples are non-detect and were qualified estimated (UJ).

Surrogate Recoveries

Terphenyl-d14 percent recovery in samples SLGW00708SCXX (34), and SLGW00908SCXX (27) are less than the lower QC limit of 50. 2,4,6-Tribromophenol percent recovery in sample SLGW01411SCXX (130) exceeds the upper QC limit of 125. No further action required.

Matrix Spike/Matrix Spike Duplicate

The MS percent recovery for hexachlorocyclopentadiene (1), and the MSD percent recovery of 2,4-dimethylphenol (67), are less than the lower QC limits. The MSD percent recovery for hexachlorocyclopentadiene (193), 2,4-dinitrophenol (152), and 4,6-dinitro-2-methylphenol (136) are greater than the upper QC limits. The results for 2,4-dimethylphenol in the unspiked samples SLGW01210SCXX and SLGW01210SCXD are non-detect and were qualified estimated (UJ). The results for 4,6-dinitro-2-methylphenol and 2,4-dinitrophenol in the unspiked samples SLGW01210SCXX and SLGW01210SCXD are non-detect; no further action required. Results for hexachlorocyclopentadiene are non-detect and based on professional judgment were qualified as estimated (UJ).

Laboratory Control Sample

The (S3GLCS) percent recovery for hexachlorocyclopentadiene (12) is less than the lower QC limit of 27. The result for hexachlorocyclopentadiene is non-detect and was qualified estimated (UJ) in all aqueous samples.

4.0 Pesticides

Initial Calibration

Initial calibration criteria met. In the continuing calibration, the percent difference for endosulfan sulfate (17.5) exceeds the QC limit of 15. The result for endosulfan sulfate in associated sample GW00608SC is non-detect and was qualified estimated (UJ). In the calibration verification, the percent difference for gamma-BHC/Lindane (17), methoxychlor (22), and 4,4'-DDT (17) exceeds the QC limit of 15. The result for gamma-BHC/Lindane and methoxychlor in associated sample SLGW00608SCXX is non-detect and was qualified estimated (U). The result for 4,4'-DDT in associated sample SLGW00608SCXX was qualified estimated (J). In the calibration verification, the percent difference for gamma-BHC/Lindane (17) exceeds the QC limit of 15. The result for gamma-BHC/Lindane in associated samples SLGW00708SCXX, SLGW01210SCXX, and SLGW01210SCXD is non-detect and was qualified estimated (UJ).

Surrogate Recoveries

Percent recovery of the surrogates in sample SLGW00608SCXX tetrachloro-m-xylene (column one and two) (185 and 146), and decachlorobiphenyl (column one) (919) exceed the upper QC limits. Percent recovery of decachlorobiphenyl (column 2) (46) is less than the lower QC limit of 54. The reported detection for endrin aldehyde, 4,4'-DDD, and 4,4'-DDT in sample SLGW00608SCXX was qualified estimated (J).

Miscellaneous

The percent differences between the primary column and confirmatory column for 4,4'-DDT (98.7) and endrin aldehyde (59.4) in the analysis of sample SLGW00608SCXX exceed the QC limit of 25. The result for endrin aldehyde was qualified (J). The result for 4,4'-DDT was qualified estimated with presumptive evidence the analyte is present in the sample (NJ).

The percent differences between the primary column and confirmatory column for beta-BHC (42.8), heptachlor epoxide (37.0), 4,4'-DDE (105), endrin (38.3), endosulfan sulfate (80.0), alpha-chlordane (121), and gamma-chlordane (72.5) in the analysis of sample SLGS01006SCXX exceed the QC limit of 25. The results for beta-BHC, heptachlor epoxide, and endrin were qualified (J). The results for 4,4'-DDE, endosulfan sulfate, alpha-chlordane, and gamma-chlordane were qualified estimated with presumptive evidence the analyte is present in the sample (NJ).

5.0 Polychlorinated Biphenyls (PCBs)

Surrogate Recoveries

The percent recovery of decachlorobiphenyl in samples SLGW00608SCXX (column one) (27) and SLGW00708SCXX (column one) (19) are less than the lower QC limit of 30. The percent recovery for decachlorobiphenyl in sample SLGW00608SCXX (column two) (194) exceeds the upper QC limit of 164. Only one surrogate is outside of criteria in sample SLGW00708SCXX, no further action required. Both surrogates from different columns are out of criteria both above and below limits in sample SLGW00608SCXX. A review of the chromatograms indicates the presence of other compounds but no Aroclor patterns. No further action required.

6.0 Metals

Blank Contamination

Silver (1.4 ug/L), zinc (2.9 ug/L), mercury (0.076 ug/L), and antimony (4.4 ug/L) were detected in the instrument calibration blanks and/or preparation blank associated with the water samples. Action levels were established at five times the maximum concentrations detected in the blanks and were compared to sample results. Low level detections of silver, zinc, mercury, and antimony in the water samples were qualified as non-detected (U).

Arsenic (0.17 mg/kg), copper (0.29 mg/kg), and silver (0.24 mg/kg) were detected in the instrument calibration blanks and/or preparation blanks associated with soil sample SLGS01006SCXX. Action levels were established at five times the maximum concentrations

detected in the blanks and compared to sample results. Low level detections of arsenic, copper, and silver in sample SLGS01006SCXX were qualified as non-detected (U).

Duplicates

Results of the field duplicate analyses for lead, nickel, and selenium in sample SLGW01210SCXX and field duplicate, SLGW01210SCXD, were inconsistent. Lead (0.64 ug/L) was detected in the field duplicate, but was not detected in sample GW01210SC. Nickel (0.83 ug/L) and selenium (2.7 ug/L) were detected in sample SLGW01210SCXX, but were not detected in the field duplicate, SLGW01210SCXD. Positive and non-detected results for these analytes in SLGW01210SCXX and SLGW01210SCXD were qualified as estimated (J/UJ).

TABLE 1

SDG	Sample Name	Date Collected	Method	Parameter	Type
F0557	SLGW00211SCXX	5/1/2007	8260B, 8270C	VOC, SVOC	FS
F0557	SLGW00608SCXX	5/1/2007	8260B, 8270C, 6010B, 7470A, 8081A, 8082	VOC, SVOC, Metals, Pest/PCB	FS
F0557	SLGW00708SCXX	5/1/2007	8260B, 8270C, 6010B, 7470A, 8081A, 8082	VOC, SVOC, Metals, Pest/PCB	FS
F0557	SLGW00812SCXX	5/1/2007	8260B, 8270C	VOC, SVOC	FS
F0557	SLGW00908SCXX	5/1/2007	8260B, 8270C	VOC, SVOC	FS
F0557	SLGW01007SCXX	5/2/2007	8260B, 8270C	VOC, SVOC	FS
F0557	SLGW01111SCXX	5/2/2007	8260B, 8270C	VOC, SVOC	FS
F0557	SLGW01210SCXD	5/2/2007	8260B, 8270C, 6010B, 7470A, 8081A, 8082	VOC, SVOC, Metals, Pest/PCB	FD
F0557	SLGW01210SCXX	5/2/2007	8260B, 8270C, 6010B, 7470A, 8081A, 8082	VOC, SVOC, Metals, Pest/PCB	FS
F0557	SLGW01308SCXX	5/2/2007	8260B, 8270C	VOC, SVOC	FS
F0557	SLGW01411SCXX	5/2/2007	8260B, 8270C	VOC, SVOC	FS
F0557	SLGW01507SCXX	5/2/2007	8260B, 8270C	VOC, SVOC	FS
F0557	TRIP BLANK SL4	5/1/2007	8260B	VOC	TB
F0557	SLGS01006SCXX	5/2/2007	8260B, 8270C, 6010B, 7471A, 8081A, 8082	VOC, SVOC, Metals, Pest/PCB	FS
F0557	SLGS01203SCXX	5/2/2007	8260B, 8270C	VOC, SVOC	FS
F0557	SLGS01310SCXX	5/2/2007	8260B, 8270C	VOC, SVOC	FS
F0557	SLGS01403SCXX	5/2/2007	8260B, 8270C	VOC, SVOC	FS
F0557	SLGS01502SCXX	5/2/2007	8260B, 8270C	VOC, SVOC	FS
F0557	SLGS01106SCXX	5/2/2007	8260B, 8270C	VOC, SVOC	FS
F0557	TBSL3	5/1/2007	8260B	VOC	TB
F0557	TPQT01SC	5/1/2007	8260B, 8270C	VOC, SVOC	FB

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2000. "Analytical Services Protocols"; June 2000.

New York State Department of Environmental Conservation (NYSDEC), 2002. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; Draft DER-10; Division of Environmental Remediation; December 2002.

Data Validator: Wolf Calicchio/Julie Ricardi
Signatures on file Date: 8/13/2007

Reviewed by: JPC

Table 1.1: Soil VOC Results

Lab Sample ID	F0557-07C		F0557-08B		F0557-15B		F0557-16B		F0557-17B		F0557-18B	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	GS-10		GS-12		GS-13		GS-14		GS-15		GS-11	
Field Sample ID	SLGS01006SCXX		SLGS01203SCXX		SLGS01310SCXX		SLGS01403SCXX		SLGS01502SCXX		SLGS01106SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007	
QC Code	FS		FS		FS		FS		FS		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	21000	U	4	U	4	U	3	U	4	U	4	U
1,1,1-Trichloroethane	21000	U	4	U	4	U	3	U	4	U	4	U
1,1,2,2-Tetrachloroethane	21000	U	4	U	4	U	3	U	4	U	4	U
1,1,2-Trichloroethane	21000	U	4	U	4	U	3	U	4	U	4	U
1,1-Dichloroethane	21000	U	4	U	4	U	3	U	4	U	4	U
1,1-Dichloroethene	21000	U	4	U	4	U	3	U	4	U	4	U
1,1-Dichloropropene	21000	U	4	U	4	U	3	U	4	U	4	U
1,2,3-Trichlorobenzene	21000	U	4	U	4	U	3	U	4	U	4	U
1,2,3-Trichloropropane	21000	U	4	U	4	U	3	U	4	U	4	U
1,2,4-Trichlorobenzene	21000	U	4	U	4	U	3	U	4	U	4	U
1,2,4-Trimethylbenzene	21000	J	4	U	4	U	3	U	4	U	1	J
1,2-Dibromo-3-chloropropane	21000	U	4	U	4	U	3	U	4	U	4	U
1,2-Dibromoethane	21000	U	4	U	4	U	3	U	4	U	4	U
1,2-Dichlorobenzene	21000	U	4	U	4	U	3	U	4	U	4	U
1,2-Dichloroethane	21000	U	4	U	4	U	3	U	4	U	4	U
1,2-Dichloropropane	21000	U	4	U	4	U	3	U	4	U	4	U
1,3,5-Trimethylbenzene	9800	J	4	U	4	U	3	U	4	U	4	U
1,3-Dichlorobenzene	21000	U	4	U	4	U	3	U	4	U	4	U
1,3-Dichloropropane	21000	U	4	U	4	U	3	U	4	U	4	U
1,4-Dichlorobenzene	21000	U	4	U	4	U	3	U	4	U	4	U
2,2-Dichloropropane	21000	U	4	U	4	U	3	U	4	U	4	U
2-Butanone	21000	U	4	U	4	U	3	U	4	U	4	U
2-Chlorotoluene	21000	U	4	U	4	U	3	U	4	U	4	U
2-Hexanone	21000	U	4	U	4	U	3	U	4	U	4	U
4-Chlorotoluene	21000	U	4	U	4	U	3	U	4	U	4	U
4-iso-Propyltoluene	21000	U	4	U	4	U	3	U	4	U	4	U
4-Methyl-2-pentanone	21000	U	4	U	4	U	3	U	4	U	4	U
Acetone	21000	U	4	U	4	U	3	U	16	U	20	U
Benzene	21000	U	4	U	4	U	3	U	4	U	4	U
Bromobenzene	21000	U	4	U	4	U	3	U	4	U	4	U
Bromochloromethane	21000	U	4	U	4	U	3	U	4	U	4	U
Bromodichloromethane	21000	U	4	U	4	U	3	U	4	U	4	U
Bromoform	21000	U	4	U	4	U	3	U	4	U	4	U

Table 1.1: Soil VOC Results

Lab Sample ID	F0557-07C		F0557-08B		F0557-15B		F0557-16B		F0557-17B		F0557-18B	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	GS-10		GS-12		GS-13		GS-14		GS-15		GS-11	
Field Sample ID	SLGS01006SCXX		SLGS01203SCXX		SLGS01310SCXX		SLGS01403SCXX		SLGS01502SCXX		SLGS01106SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007	
QC Code	FS		FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Bromomethane	21000	U	4	U	4	U	3	U	4	U	4	U
Carbon disulfide	21000	U	4	U	4	U	3	U	4	U	4	U
Carbon tetrachloride	21000	U	4	U	4	U	3	U	4	U	4	U
Chlorobenzene	21000	U	4	U	4	U	3	U	4	U	4	U
Chlorodibromomethane	21000	U	4	U	4	U	3	U	4	U	4	U
Chloroethane	21000	U	4	U	4	U	3	U	4	U	4	U
Chloroform	21000	U	4	U	4	U	2	J	4	U	4	U
Chloromethane	21000	U	4	U	4	U	3	U	4	U	4	U
Cis-1,2-Dichloroethene	21000	U	4	U	4	U	3	U	4	U	4	U
cis-1,3-Dichloropropene	21000	U	4	U	4	U	3	U	4	U	4	U
Dibromomethane	21000	U	4	U	4	U	3	U	4	U	4	U
Dichlorodifluoromethane	21000	U	4	U	4	U	3	U	4	U	4	U
Ethyl benzene	30000		4	U	4	U	3	U	4	U	4	U
Hexachlorobutadiene	21000	U	4	U	4	U	3	U	4	U	4	U
Iodomethane	21000	U	4	U	4	U	3	U	4	U	4	U
Isopropylbenzene	21000	U	4	U	4	U	3	UJ	4	U	4	U
Methyl Tertbutyl Ether	21000	U	4	U	4	U	3	U	4	U	4	U
Methylene chloride	4400	J	4	U	1	J	1	J	4	U	2	J
n-Butylbenzene	21000	U	4	U	4	U	3	U	4	U	4	U
Naphthalene	510000		4	U	4	U	3	U	4	U	23	B
o-Xylene	7500	J	4	U	4	U	3	U	4	U	4	U
Propylbenzene	21000	U	4	U	4	U	3	U	4	U	4	U
sec-Butylbenzene	21000	U	4	U	4	U	3	U	4	U	4	U
Styrene	21000	U	4	U	4	U	3	U	4	U	4	U
tert-Butylbenzene	21000	U	4	U	4	U	3	U	4	U	4	U
Tetrachloroethene	21000	U	4	U	4	U	3	U	4	U	4	U
Toluene	8200	J	4	U	4	U	3	U	4	U	4	U
trans-1,2-Dichloroethene	21000	U	4	U	4	U	3	U	4	U	4	U
trans-1,3-Dichloropropene	21000	U	4	U	4	U	3	U	4	U	4	U
Trichloroethene	21000	U	4	U	4	U	3	U	4	U	4	U
Trichlorofluoromethane	21000	U	4	U	4	U	3	U	4	U	4	U
Vinyl acetate	21000	U	4	U	4	U	3	U	4	U	4	U
Vinyl chloride	21000	U	4	U	4	U	3	U	4	U	4	U

Table 1.1: Soil VOC Results

Lab Sample ID	F0557-07C		F0557-08B		F0557-15B		F0557-16B		F0557-17B		F0557-18B	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	GS-10		GS-12		GS-13		GS-14		GS-15		GS-11	
Field Sample ID	SLGS01006SCXX		SLGS01203SCXX		SLGS01310SCXX		SLGS01403SCXX		SLGS01502SCXX		SLGS01106SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007	
QC Code	FS		FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Xylene, m/p	19000	J	4	U	4	U	3	UJ	4	U	4	U
Xylenes, Total	26000		4	U	4	U	3	UJ	4	U	4	U

Table 1.1: Soil VOC Results

Lab Sample ID	F0557-19B		F0557-19C	
Lab Sample Delivery Group	F0557		F0557	
Loc Name	QC		QC	
Field Sample ID	TRIP BLANK SL3		TRIP BLANK SL3	
Field Sample Date	5/1/2007		5/1/2007	
QC Code	TB		TB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1,1,2-Tetrachloroethane	5	U	250	U
1,1,1-Trichloroethane	5	U	250	U
1,1,2,2-Tetrachloroethane	5	U	250	U
1,1,2-Trichloroethane	5	U	250	U
1,1-Dichloroethane	5	U	250	U
1,1-Dichloroethene	5	U	250	U
1,1-Dichloropropene	5	U	250	U
1,2,3-Trichlorobenzene	5	U	250	U
1,2,3-Trichloropropane	5	U	250	U
1,2,4-Trichlorobenzene	5	U	250	U
1,2,4-Trimethylbenzene	5	U	250	U
1,2-Dibromo-3-chloropropane	5	U	250	U
1,2-Dibromoethane	5	U	250	U
1,2-Dichlorobenzene	5	U	250	U
1,2-Dichloroethane	5	U	250	U
1,2-Dichloropropane	5	U	250	U
1,3,5-Trimethylbenzene	5	U	250	U
1,3-Dichlorobenzene	5	U	250	U
1,3-Dichloropropane	5	U	250	U
1,4-Dichlorobenzene	5	U	250	U
2,2-Dichloropropane	5	U	250	U
2-Butanone	5	U	250	U
2-Chlorotoluene	5	U	250	U
2-Hexanone	5	U	250	U
4-Chlorotoluene	5	U	250	U
4-iso-Propyltoluene	5	U	250	U
4-Methyl-2-pentanone	5	U	250	U
Acetone	5	U	250	U
Benzene	5	U	250	U
Bromobenzene	5	U	250	U
Bromochloromethane	5	U	250	U
Bromodichloromethane	5	U	250	U
Bromoform	5	U	250	U

Table 1.1: Soil VOC Results

Lab Sample ID	F0557-19B		F0557-19C	
Lab Sample Delivery Group	F0557		F0557	
Loc Name	QC		QC	
Field Sample ID	TRIP BLANK SL3		TRIP BLANK SL3	
Field Sample Date	5/1/2007		5/1/2007	
QC Code	TB		TB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
Bromomethane	5	U	250	U
Carbon disulfide	5	U	250	U
Carbon tetrachloride	5	U	250	U
Chlorobenzene	5	U	250	U
Chlorodibromomethane	5	U	250	U
Chloroethane	5	U	250	U
Chloroform	5	U	250	U
Chloromethane	5	U	250	U
Cis-1,2-Dichloroethene	5	U	250	U
cis-1,3-Dichloropropene	5	U	250	U
Dibromomethane	5	U	250	U
Dichlorodifluoromethane	5	U	250	U
Ethyl benzene	5	U	250	U
Hexachlorobutadiene	5	U	250	U
Iodomethane	5	U	250	U
Isopropylbenzene	5	U	250	U
Methyl Tertbutyl Ether	5	U	250	U
Methylene chloride	2	J	250	U
n-Butylbenzene	5	U	250	U
Naphthalene	3	JB	130	J
o-Xylene	5	U	250	U
Propylbenzene	5	U	250	U
sec-Butylbenzene	5	U	250	U
Styrene	5	U	250	U
tert-Butylbenzene	5	U	250	U
Tetrachloroethene	5	U	250	U
Toluene	5	U	250	U
trans-1,2-Dichloroethene	5	U	250	U
trans-1,3-Dichloropropene	5	U	250	U
Trichloroethene	5	U	250	U
Trichlorofluoromethane	5	U	250	U
Vinyl acetate	5	U	250	U
Vinyl chloride	5	U	250	U

Table 1.1: Soil VOC Results

Lab Sample ID	F0557-19B		F0557-19C	
Lab Sample Delivery Group	F0557		F0557	
Loc Name	QC		QC	
Field Sample ID	TRIP BLANK SL3		TRIP BLANK SL3	
Field Sample Date	5/1/2007		5/1/2007	
QC Code	TB		TB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
Xylene, m/p	5	U	250	U
Xylenes, Total	5	U	250	U

Table 1.1: Soil VOC Results

	Lab Sample ID	F0557-19B		F0557-19C	
	Lab Sample Delivery Group	F0557		F0557	
	Loc Name	QC		QC	
	Field Sample ID	TRIP BLANK SL3		TRIP BLANK SL3	
	Field Sample Date	5/1/2007		5/1/2007	
	QC Code	TB		TB	
Parameter		Result	Qualifier	Result	Qualifier

Notes:
Results in microgram per kilogram (µg/kg)
Samples analyzed for VOCs by Method SW846 8260B
QC Code:
FS = Field Sample
TB = Trip Blank
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
B = Analyte was detected in the method blank

Table 1.2: Soil SVOC Results

Lab Sample ID	F0557-07A		F0557-08A		F0557-15A		F0557-16A		F0557-17A		F0557-18A	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	GS-10		GS-12		GS-13		GS-14		GS-15		GS-11	
Field Sample ID	SLGS01006SCXX		SLGS01203SCXX		SLGS01310SCXX		SLGS01403SCXX		SLGS01502SCXX		SLGS01106SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007	
QC Code	FS		FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,2,4-Trichlorobenzene	7,900	U	430	U	370	U	410	U	440	U	400	U
1,2-Dichlorobenzene	7,900	U	430	U	370	U	410	U	440	U	400	U
1,3-Dichlorobenzene	7,900	U	430	U	370	U	410	U	440	U	400	U
1,4-Dichlorobenzene	7,900	U	430	U	370	U	410	U	440	U	400	U
2,4,5-Trichlorophenol	16,000	U	880	U	750	U	840	U	900	U	810	U
2,4,6-Trichlorophenol	7,900	U	430	U	370	U	410	U	440	U	400	U
2,4-Dichlorophenol	7,900	U	430	U	370	U	410	U	440	U	400	U
2,4-Dimethylphenol	7,900	U	430	U	370	U	410	U	440	U	400	U
2,4-Dinitrophenol	16,000	U	880	U	750	U	840	U	900	U	810	U
2,4-Dinitrotoluene	7,900	U	430	U	370	U	410	U	440	U	400	U
2,6-Dinitrotoluene	7,900	U	430	U	370	U	410	U	440	U	400	U
2-Chloronaphthalene	7,900	U	430	U	370	U	410	U	440	U	400	U
2-Chlorophenol	7,900	U	430	U	370	U	410	U	440	U	400	U
2-Methylnaphthalene	210000	D	49	J	370	U	110	J	440	U	400	U
2-Methylphenol	7,900	U	430	U	370	U	410	U	440	U	400	U
2-Nitroaniline	16,000	U	880	U	750	U	840	U	900	U	810	U
2-Nitrophenol	7,900	U	430	U	370	U	410	U	440	U	400	U
3,3`-Dichlorobenzidine	7,900	U	430	U	370	U	410	U	440	U	400	U
3-Nitroaniline	16,000	U	880	U	750	U	840	U	900	U	810	U
4,6-Dinitro-2-methylphenol	16,000	U	880	U	750	U	840	U	900	U	810	U
4-Bromophenyl phenyl ether	7,900	U	430	U	370	U	410	U	440	U	400	U
4-Chloro-3-methylphenol	7,900	U	430	U	370	U	410	U	440	U	400	U
4-Chloroaniline	7,900	U	430	U	370	U	410	U	440	U	400	U
4-Chlorophenyl phenyl ether	7,900	U	430	U	370	U	410	U	440	U	400	U
4-Methylphenol	7,900	U	430	U	370	U	410	U	440	U	400	U
4-Nitroaniline	16,000	U	880	U	750	U	840	U	900	U	810	U
4-Nitrophenol	16,000	U	880	U	750	U	840	U	900	U	810	U
Acenaphthene	14,000		430	U	370	U	410	U	440	U	400	U
Acenaphthylene	110,000		78	J	40	J	1,300		440	U	400	U
Anthracene	58,000		430	U	370	U	230	J	440	U	400	U
Benzo(a)anthracene	30,000		430	U	370	U	110	J	50	J	400	U
Benzo(a)pyrene	25,000		430	U	370	U	430		440	U	400	U
Benzo(b)fluoranthene	17,000		430	U	370	U	250	J	55	J	400	U

Table 1.2: Soil SVOC Results

Lab Sample ID	F0557-07A		F0557-08A		F0557-15A		F0557-16A		F0557-17A		F0557-18A	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	GS-10		GS-12		GS-13		GS-14		GS-15		GS-11	
Field Sample ID	SLGS01006SCXX		SLGS01203SCXX		SLGS01310SCXX		SLGS01403SCXX		SLGS01502SCXX		SLGS01106SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007	
QC Code	FS		FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Benzo(ghi)perylene	10,000		430	U	370	U	890		440	U	400	U
Benzo(k)fluoranthene	6,200	J	430	U	370	U	74	J	440	U	400	U
Bis(2-Chloroethoxy)methane	7,900	U	430	U	370	U	410	U	440	U	400	U
Bis(2-Chloroethyl)ether	7,900	U	430	U	370	U	410	U	440	U	400	U
Bis(2-Chloroisopropyl)ether	7,900	U	430	U	370	U	410	U	440	U	400	U
Bis(2-Ethylhexyl)phthalate	7,900	U	430	U	370	U	410	U	440	U	400	U
Butylbenzylphthalate	7,900	U	430	U	370	U	410	U	440	U	400	U
Carbazole	7,900	U	430	U	370	U	410	U	440	U	400	U
Chrysene	21,000		430	U	370	U	200	J	440	U	400	U
Di-n-butylphthalate	7,900	U	430	U	370	U	410	U	440	U	400	U
Di-n-octylphthalate	7,900	U	430	U	370	U	410	U	440	U	400	U
Dibenz(a,h)anthracene	1,900	J	430	U	370	U	120	J	440	U	400	U
Dibenzofuran	7,900	U	430	U	370	U	410	U	440	U	400	U
Diethylphthalate	7,900	U	430	U	370	U	410	U	440	U	400	U
Dimethylphthalate	7,900	U	430	U	370	U	410	U	440	U	400	U
Fluoranthene	58,000		430	U	43	J	130	J	51	J	400	U
Fluorene	56,000		430	U	370	U	120	J	440	U	400	U
Hexachlorobenzene	7,900	U	430	U	370	U	410	U	440	U	400	U
Hexachlorobutadiene	7,900	U	430	U	370	U	410	U	440	U	400	U
Hexachlorocyclopentadiene	7,900	U	430	U	370	U	410	U	440	U	400	U
Hexachloroethane	7,900	U	430	U	370	U	410	U	440	U	400	U
Indeno(1,2,3-cd)pyrene	6,900	J	430	U	370	U	570		440	U	400	U
Isophorone	7,900	U	430	U	370	U	410	U	440	U	400	U
N-Nitrosodi-n-propylamine	7,900	U	430	U	370	U	410	U	440	U	400	U
N-Nitrosodiphenylamine	7,900	U	430	U	370	U	410	U	440	U	400	U
Naphthalene	140000	D	430	U	370	U	410	U	440	U	78	J
Nitrobenzene	7,900	U	430	U	370	U	410	U	440	U	400	U
Pentachlorophenol	16,000	U	880	U	750	U	840	U	900	U	810	U
Phenanthrene	180000	D	90	J	72	J	140	J	440	U	400	U
Phenol	7,900	U	430	U	370	U	410	U	440	U	400	U
Pyrene	92,000		71	J	88	J	250	J	77	J	400	U

Table 1.2: Soil SVOC Results

Lab Sample ID	F0557-07A		F0557-08A		F0557-15A		F0557-16A		F0557-17A		F0557-18A	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	GS-10		GS-12		GS-13		GS-14		GS-15		GS-11	
Field Sample ID	SLGS01006SCXX		SLGS01203SCXX		SLGS01310SCXX		SLGS01403SCXX		SLGS01502SCXX		SLGS01106SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007	
QC Code	FS		FS		FS		FS		FS		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier

Notes:
Results in microgram per kilogram (µg/kg)
Samples analyzed for SVOCs by Method SW846 8270C
QC Code:
FS = Field Sample
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
D = Analyte was reported from a diluted analytical run

Table 1.3: Soil Pesticide & PCB Results

Lab Sample ID	F0557-07A	
Lab Sample Delivery Group	F0557	
Loc Name	GS-10	
Field Sample ID	SLGS01006SCXX	
Field Sample Date	5/2/2007	
QC Code	FS	
Parameter	**Result**	**Qualifier**
Pesticides		
4,4`-DDD	19	
4,4`-DDE	20	PJN
4,4`-DDT	12	U
Aldrin	6.1	U
Alpha-BHC	6.1	U
Alpha-Chlordane	9.8	PJN
Beta-BHC	57	PJ
Delta-BHC	6.1	U
Dieldrin	12	U
Endosulfan I	6.1	U
Endosulfan II	12	U
Endosulfan sulfate	18	PJN
Endrin	19	J
Endrin aldehyde	38	
Endrin ketone	12	U
Gamma-BHC/Lindane	6.1	U
Gamma-Chlordane	29	PJN
Heptachlor	6.1	U
Heptachlor epoxide	33	J
Methoxychlor	61	U
Toxaphene	610	U
PCBs		
Aroclor-1016	40	U
Aroclor-1221	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	40	U
Aroclor-1260	40	U

Notes:
Results in microgram per kilogram (µg/kg)
Samples analyzed for Pesticides by Method SW846 8081A
Samples analyzed for PCBs by Method SW846 8082
QC Code:
FS = Field Sample
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
P = The percent difference between columns is greater than 25%
NJ = The percent differece between columns is greater than 70%

Table 1.4: Groundwater VOC Results

Lab Sample ID	F0557-01A		F0557-02A		F0557-03A		F0557-04A		F0557-05A		F0557-06A	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	QC		GS-02		GS-06		GS-07		GS-08		GS-09	
Field Sample ID	SLTPQT01SCXX		SLGW00211SCXX		SLGW00608SCXX		SLGW00708SCXX		SLGW00812SCXX		SLGW00908SCXX	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	EB		FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1,1,2-Tetrachloroethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,1,1-Trichloroethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,1,2,2-Tetrachloroethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,1,2-Trichloroethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,1-Dichloroethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,1-Dichloroethene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,1-Dichloropropene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,2,3-Trichlorobenzene	5	U	5	UJ	5	UJ	5	UJ	10	UJ	5	UJ
1,2,3-Trichloropropane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,2,4-Trichlorobenzene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	UJ
1,2,4-Trimethylbenzene	5	U	9	J	39	J	5	U	200	J	5	U
1,2-Dibromo-3-chloropropane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,2-Dibromoethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,2-Dichlorobenzene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,2-Dichloroethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,2-Dichloropropane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,3,5-Trimethylbenzene	5	U	3	J	13	J	5	U	64	J	5	U
1,3-Dichlorobenzene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,3-Dichloropropane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
1,4-Dichlorobenzene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
2,2-Dichloropropane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
2-Butanone	5	U		R		R		R		R		R
2-Chlorotoluene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
2-Hexanone	5	U	5	UJ	5	UJ	5	UJ	10	UJ	5	UJ
4-Chlorotoluene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
4-iso-Propyltoluene	5	U	5	UJ	4	J	5	U	10	UJ	5	U
4-Methyl-2-pentanone	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Acetone	20			R		R		R		R		R
Benzene	5	U	84	J	110	J	5	U	150	J	2	J
Bromobenzene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Bromochloromethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Bromodichloromethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	UJ
Bromoform	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U

Table 1.4: Groundwater VOC Results

Lab Sample ID	F0557-01A		F0557-02A		F0557-03A		F0557-04A		F0557-05A		F0557-06A	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	QC		GS-02		GS-06		GS-07		GS-08		GS-09	
Field Sample ID	SLTPQT01SCXX		SLGW00211SCXX		SLGW00608SCXX		SLGW00708SCXX		SLGW00812SCXX		SLGW00908SCXX	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	EB		FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Bromomethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	UJ
Carbon disulfide	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Carbon tetrachloride	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Chlorobenzene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Chlorodibromomethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Chloroethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Chloroform	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Chloromethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	UJ
Cis-1,2-Dichloroethene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
cis-1,3-Dichloropropene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Dibromomethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Dichlorodifluoromethane	5	U	5	UJ	5	UJ	5	UJ	10	UJ	5	UJ
Ethyl benzene	5	U	150	J	84	J	5	U	240	J	5	U
Hexachlorobutadiene	5	U	5	UJ	5	UJ	5	UJ	10	UJ	5	UJ
Iodomethane	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Isopropylbenzene	5	U	5	UJ	3	J	5	U	17	J	5	U
Methyl Tertbutyl Ether	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Methylene chloride	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
n-Butylbenzene	5	U	5	UJ	5	UJ	5	U	7	J	5	U
Naphthalene	2	J	330	D	1500	D	7		6400	D	130	J
o-Xylene	5	U	13	J	40	J	5	U	260	J	5	U
Propylbenzene	5	U	5	UJ	2	J	5	U	20	J	5	U
sec-Butylbenzene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Styrene	5	U	8	J	10	J	5	U	510	D	5	U
tert-Butylbenzene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Tetrachloroethene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Toluene	5	U	9	J	90	J	5	U	850	D	5	U
trans-1,2-Dichloroethene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
trans-1,3-Dichloropropene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Trichloroethene	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Trichlorofluoromethane	5	U	5	UJ	5	UJ	5	UJ	10	UJ	5	UJ
Vinyl acetate	5	U	5	UJ	5	UJ	5	U	10	UJ	5	U
Vinyl chloride	5	U	5	UJ	5	UJ	5	U	10	UJ	5	UJ

Table 1.4: Groundwater VOC Results

Lab Sample ID	F0557-01A		F0557-02A		F0557-03A		F0557-04A		F0557-05A		F0557-06A	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	QC		GS-02		GS-06		GS-07		GS-08		GS-09	
Field Sample ID	SLTPQT01SCXX		SLGW00211SCXX		SLGW00608SCXX		SLGW00708SCXX		SLGW00812SCXX		SLGW00908SCXX	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	EB		FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Xylene, m/p	5	U	29	J	63		5	U	500	J	5	U
Xylenes, Total	5	U	42	J	100	J	5	U	760	J	5	U

Table 1.4: Groundwater VOC Results

Lab Sample ID	F0557-09A		F0557-10A		F0557-11A		F0557-12A		F0557-13A		F0557-14A	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	GS-12		GS-12		GS-10		GS-13		GS-14		GS-15	
Field Sample ID	SLGW01210SCXX		SLGW01210SCXD		SLGW01007SCXX		SLGW01308SCXX		SLGW01411SCXX		SLGW01507SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007	
QC Code	FS		FD		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1,1,2-Tetrachloroethane	5	U	5	U	5	UJ	5	U	5	U	5	U
1,1,1-Trichloroethane	5	U	5	U	5	UJ	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	UJ	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	UJ	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	UJ	5	U	5	U	5	U
1,1-Dichloroethene	5	U	5	U	5	UJ	5	U	5	U	5	U
1,1-Dichloropropene	5	U	5	U	5	UJ	5	U	5	U	5	U
1,2,3-Trichlorobenzene	5	UJ	5	UJ	5	UJ	5	UJ	5	U	5	U
1,2,3-Trichloropropane	5	U	5	U	5	UJ	5	U	5	U	5	UJ
1,2,4-Trichlorobenzene	5	U	5	UJ	5	UJ	5	UJ	5	U	5	U
1,2,4-Trimethylbenzene	5	UJ	5	UJ	5	UJ	5	U	4	J	5	U
1,2-Dibromo-3-chloropropane	5	U	5	U	5	UJ	5	U	5	U	5	UJ
1,2-Dibromoethane	5	U	5	U	5	UJ	5	U	5	U	5	U
1,2-Dichlorobenzene	5	U	5	U	5	UJ	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	UJ	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	UJ	5	U	5	U	5	U
1,3,5-Trimethylbenzene	5	UJ	5	UJ	5	UJ	5	U	2	J	5	U
1,3-Dichlorobenzene	5	U	5	U	5	UJ	5	U	5	U	5	U
1,3-Dichloropropane	5	U	5	U	5	UJ	5	U	5	U	5	U
1,4-Dichlorobenzene	5	U	5	U	5	UJ	5	U	5	U	5	U
2,2-Dichloropropane	5	U	5	U	5	UJ	5	U	5	U	5	U
2-Butanone		R		R		R		R		R		R
2-Chlorotoluene	5	U	5	U	5	UJ	5	U	5	U	5	U
2-Hexanone	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ
4-Chlorotoluene	5	U	5	U	5	UJ	5	U	5	U	5	U
4-iso-Propyltoluene	5	U	5	U	5	UJ	5	U	5	U	5	U
4-Methyl-2-pentanone	5	U	5	U	5	UJ	5	U	5	U	5	UJ
Acetone		R		R		R		R		R		R
Benzene	5	U	5	U	5	UJ	5	U	80		5	U
Bromobenzene	5	U	5	U	5	UJ	5	U	5	U	5	U
Bromochloromethane	5	U	5	U	5	UJ	5	U	5	U	5	U
Bromodichloromethane	5	U	5	UJ	5	UJ	5	UJ	5	U	5	U
Bromoform	5	U	5	U	5	UJ	5	U	5	UJ	5	UJ

Table 1.4: Groundwater VOC Results

Lab Sample ID	F0557-09A		F0557-10A		F0557-11A		F0557-12A		F0557-13A		F0557-14A	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	GS-12		GS-12		GS-10		GS-13		GS-14		GS-15	
Field Sample ID	SLGW01210SCXX		SLGW01210SCXD		SLGW01007SCXX		SLGW01308SCXX		SLGW01411SCXX		SLGW01507SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007	
QC Code	FS		FD		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Bromomethane	5	U	5	UJ	5	UJ	5	UJ	5	U	5	U
Carbon disulfide	5	U	5	U	5	UJ	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	UJ	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	UJ	5	U	5	U	5	U
Chlorodibromomethane	5	U	5	U	5	UJ	5	U	5	U	5	U
Chloroethane	5	U	5	U	5	UJ	5	U	5	U	5	U
Chloroform	5	U	5	U	5	UJ	5	U	5	U	5	U
Chloromethane	5	U	5	UJ	5	UJ	5	UJ	1	J	5	U
Cis-1,2-Dichloroethene	5	U	5	U	5	UJ	5	U	5	U	5	UJ
cis-1,3-Dichloropropene	5	U	5	U	5	UJ	5	U	5	U	5	U
Dibromomethane	5	U	5	U	5	UJ	5	U	5	U	5	U
Dichlorodifluoromethane	5	UJ	5	UJ	5	UJ	5	UJ	5	U	5	U
Ethyl benzene	5	U	5	U	3	J	5	U	5		5	U
Hexachlorobutadiene	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ
Iodomethane	5	U	5	U	5	UJ	5	U	5	U	5	U
Isopropylbenzene	5	U	5	U	5	UJ	5	U	5	U	5	UJ
Methyl Tertbutyl Ether	5	U	5	U	5	UJ	5	U	5	UJ	5	UJ
Methylene chloride	5	U	5	U	5	UJ	5	U	5	UJ	5	UJ
n-Butylbenzene	5	U	5	U	5	UJ	5	U	5	U	5	U
Naphthalene	5	U	2	J	44	J	5	UJ	34	B	5	U
o-Xylene	5	U	5	U	5	UJ	5	U	51		5	U
Propylbenzene	5	U	5	U	5	UJ	5	U	5	U	5	U
sec-Butylbenzene	5	U	5	U	5	UJ	5	U	5	U	5	U
Styrene	5	UJ	5	UJ	5	UJ	5	U	5	U	5	U
tert-Butylbenzene	5	U	5	U	5	UJ	5	U	5	U	5	U
Tetrachloroethene	5	U	5	U	5	UJ	5	U	5	U	5	U
Toluene	5	U	5	U	1	J	5	U	9		5	U
trans-1,2-Dichloroethene	5	U	5	U	5	UJ	5	U	5	UJ	5	UJ
trans-1,3-Dichloropropene	5	U	5	U	5	UJ	5	U	5	U	5	U
Trichloroethene	5	U	5	U	5	UJ	5	U	5	U	5	U
Trichlorofluoromethane	5	UJ	5	UJ	5	UJ	5	UJ	5	U	5	UJ
Vinyl acetate	5	U	5	U	5	UJ	5	U	5	U	5	U
Vinyl chloride	5	U	5	UJ	5	UJ	5	UJ	5	U	5	UJ

Table 1.4: Groundwater VOC Results

Lab Sample ID	F0557-09A		F0557-10A		F0557-11A		F0557-12A		F0557-13A		F0557-14A	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	GS-12		GS-12		GS-10		GS-13		GS-14		GS-15	
Field Sample ID	SLGW01210SCXX		SLGW01210SCXD		SLGW01007SCXX		SLGW01308SCXX		SLGW01411SCXX		SLGW01507SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007	
QC Code	FS		FD		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Xylene, m/p	5	U	5	U	1	J	5	U	16		5	U
Xylenes, Total	5	U	5	U	1	J	5	U	67		5	U

Table 1.4: Groundwater VOC Results

Lab Sample ID	F0557-20A		F0557-21A	
Lab Sample Delivery Group	F0557		F0557	
Loc Name	QC		GS-11	
Field Sample ID	TRIP BLANK SL4		SLGW01111SCXX	
Field Sample Date	5/1/2007		5/2/2007	
QC Code	TB		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1,1,2-Tetrachloroethane	5	U	5	U
1,1,1-Trichloroethane	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U
1,1-Dichloroethane	5	U	5	U
1,1-Dichloroethene	5	U	5	U
1,1-Dichloropropene	5	U	5	U
1,2,3-Trichlorobenzene	5	U	5	UJ
1,2,3-Trichloropropane	5	U	5	U
1,2,4-Trichlorobenzene	5	U	5	UJ
1,2,4-Trimethylbenzene	5	U	87	
1,2-Dibromo-3-chloropropane	5	U	5	U
1,2-Dibromoethane	5	U	5	U
1,2-Dichlorobenzene	5	U	5	U
1,2-Dichloroethane	5	U	5	U
1,2-Dichloropropane	5	U	5	U
1,3,5-Trimethylbenzene	5	U	29	
1,3-Dichlorobenzene	5	U	5	U
1,3-Dichloropropane	5	U	5	U
1,4-Dichlorobenzene	5	U	5	U
2,2-Dichloropropane	5	U	5	U
2-Butanone	5	U		R
2-Chlorotoluene	5	U	5	U
2-Hexanone	5	U	5	UJ
4-Chlorotoluene	5	U	5	U
4-iso-Propyltoluene	5	U	5	
4-Methyl-2-pentanone	5	U	5	U
Acetone	5	U		R
Benzene	5	U	12	
Bromobenzene	5	U	5	U
Bromochloromethane	5	U	5	U
Bromodichloromethane	5	U	5	UJ
Bromoform	5	U	5	U

Table 1.4: Groundwater VOC Results

Lab Sample ID	F0557-20A		F0557-21A	
Lab Sample Delivery Group	F0557		F0557	
Loc Name	QC		GS-11	
Field Sample ID	TRIP BLANK SL4		SLGW01111SCXX	
Field Sample Date	5/1/2007		5/2/2007	
QC Code	TB		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
Bromomethane	5	U	5	UJ
Carbon disulfide	5	U	5	U
Carbon tetrachloride	5	U	5	U
Chlorobenzene	5	U	5	U
Chlorodibromomethane	5	U	5	U
Chloroethane	5	U	5	U
Chloroform	5	U	5	U
Chloromethane	5	U	5	UJ
Cis-1,2-Dichloroethene	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U
Dibromomethane	5	U	5	U
Dichlorodifluoromethane	5	U	5	UJ
Ethyl benzene	5	U	130	D
Hexachlorobutadiene	5	U	5	UJ
Iodomethane	5	U	5	U
Isopropylbenzene	5	U	19	
Methyl Tertbutyl Ether	5	U	5	U
Methylene chloride	5	U	5	U
n-Butylbenzene	5	U	6	
Naphthalene	5	U	1400	D
o-Xylene	5	U	99	
Propylbenzene	5	U	9	
sec-Butylbenzene	5	U	5	U
Styrene	5	U	5	U
tert-Butylbenzene	5	U	5	U
Tetrachloroethene	5	U	5	U
Toluene	5	U	33	
trans-1,2-Dichloroethene	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U
Trichloroethene	5	U	5	U
Trichlorofluoromethane	5	U	5	UJ
Vinyl acetate	5	U	5	U
Vinyl chloride	5	U	5	UJ

Table 1.4: Groundwater VOC Results

	Lab Sample ID	F0557-20A		F0557-21A	
	Lab Sample Delivery Group	F0557		F0557	
	Loc Name	QC		GS-11	
	Field Sample ID	TRIP BLANK SL4		SLGW01111SCXX	
	Field Sample Date	5/1/2007		5/2/2007	
	QC Code	TB		FS	
Parameter		Result	Qualifier	Result	Qualifier
Xylene, m/p		5	U	180	
Xylenes, Total		5	U	280	

Table 1.4: Groundwater VOC Results

Lab Sample ID	**F0557-20A**		**F0557-21A**	
Lab Sample Delivery Group	**F0557**		**F0557**	
Loc Name	**QC**		**GS-11**	
Field Sample ID	**TRIP BLANK SL4**		**SLGW01111SCXX**	
Field Sample Date	**5/1/2007**		**5/2/2007**	
QC Code	**TB**		**FS**	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**

Notes:
Results in microgram per liter (µg/L)
Samples analyzed for VOCs by Method SW846 8260B
QC Code:
FS = Field Sample
FD = Field Duplicate
TB = Trip Blank
EB = Equipment Blank
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
D = Result is reported from a diluted analytical run
B = Analyte was detected in the method blank
R = Analyte was rejected during validation

Table 1.5: Groundwater SVOC Results

Lab Sample ID	F0557-01B		F0557-02B		F0557-03B		F0557-04B		F0557-05B		F0557-06B	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	QC		GS-02		GS-06		GS-07		GS-08		GS-09	
Field Sample ID	SLTPQT01SCXX		SLGW00211SCXX		SLGW00608SCXX		SLGW00708SCXX		SLGW00812SCXX		SLGW00908SCXX	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	EB		FS		FS		FS		FS		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,2,4-Trichlorobenzene	10	U	20	U	100	U	10	U	400	U	10	U
1,2-Dichlorobenzene	10	U	20	U	100	U	10	U	400	U	10	U
1,3-Dichlorobenzene	10	U	20	U	100	U	10	U	400	U	10	U
1,4-Dichlorobenzene	10	U	20	U	100	U	10	U	400	U	10	U
2,4,5-Trichlorophenol	20	U	40	U	200	U	20	U	800	U	20	U
2,4,6-Trichlorophenol	10	U	20	U	100	U	10	U	400	U	10	U
2,4-Dichlorophenol	10	U	20	U	100	U	10	U	400	U	10	U
2,4-Dimethylphenol	10	U	20	U	100	U	10	U	400	U	10	U
2,4-Dinitrophenol	20	U	40	UJ	200	UJ	20	UJ	800	UJ	20	UJ
2,4-Dinitrotoluene	10	U	20	U	100	U	10	U	400	U	10	U
2,6-Dinitrotoluene	10	U	20	U	100	U	10	U	400	U	10	U
2-Chloronaphthalene	10	U	20	U	100	U	10	U	400	U	10	U
2-Chlorophenol	10	U	20	U	100	U	10	U	400	U	10	U
2-Methylnaphthalene	10	U	9	J	230		10	U	600		11	
2-Methylphenol	10	U	20	U	100	U	10	U	400	U	10	U
2-Nitroaniline	20	U	40	UJ	200	UJ	20	U	800	UJ	20	U
2-Nitrophenol	10	U	20	U	100	U	10	U	400	U	10	U
3,3`-Dichlorobenzidine	10	U	20	U	100	U	10	U	400	U	10	U
3-Nitroaniline	20	U	40	U	200	U	20	U	800	U	20	U
4,6-Dinitro-2-methylphenol	20	U	40	UJ	200	UJ	20	U	800	UJ	20	U
4-Bromophenyl phenyl ether	10	U	20	U	100	U	10	U	400	U	10	U
4-Chloro-3-methylphenol	10	U	20	U	100	U	10	U	400	U	10	U
4-Chloroaniline	10	U	20	U	100	U	10	U	400	U	10	U
4-Chlorophenyl phenyl ether	10	U	20	U	100	U	10	U	400	U	10	U
4-Methylphenol	10	U	20	U	100	U	10	U	400	U	10	U
4-Nitroaniline	20	U	40	U	200	U	20	U	800	U	20	U
4-Nitrophenol	20	U	40	UJ	200	UJ	20	UJ	800	UJ	20	UJ
Acenaphthene	10	U	38		180		10	U	75	J	17	
Acenaphthylene	10	U	8	J	90	J	1	J	260	J	10	U
Anthracene	10	U	3	J	37	J	10	U	400	U	10	U
Benzo(a)anthracene	10	U	3	J	29	J	10	U	400	U	10	U
Benzo(a)pyrene	10	U	2	J	28	J	10	U	400	U	10	U
Benzo(b)fluoranthene	10	U	2	J	20	J	10	U	400	U	10	U
Benzo(ghi)perylene	10	U	20	U	18	J	10	U	400	UJ	10	U
Benzo(k)fluoranthene	10	U	20	U	100	U	10	U	400	U	10	U
Bis(2-Chloroethoxy)methane	10	U	20	U	100	U	10	U	400	U	10	U
Bis(2-Chloroethyl)ether	10	U	20	U	100	U	10	U	400	U	10	U
Bis(2-Chloroisopropyl)ether	10	U	20	U	100	U	10	U	400	U	10	U
Bis(2-Ethylhexyl)phthalate	10	U	20	U	100	U	10	U	400	U	10	U
Butylbenzylphthalate	10	U	20	UJ	100	UJ	10	U	400	U	10	U

Table 1.5: Groundwater SVOC Results

Lab Sample ID	F0557-01B		F0557-02B		F0557-03B		F0557-04B		F0557-05B		F0557-06B	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	QC		GS-02		GS-06		GS-07		GS-08		GS-09	
Field Sample ID	SLTPQT01SCXX		SLGW00211SCXX		SLGW00608SCXX		SLGW00708SCXX		SLGW00812SCXX		SLGW00908SCXX	
Field Sample Date	5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007		5/1/2007	
QC Code	EB		FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Carbazole	10	U	20	U	100	U	10	U	400	U	10	U
Chrysene	10	U	2	J	20	J	10	U	400	U	10	U
Di-n-butylphthalate	10	U	20	U	100	U	10	U	400	U	10	U
Di-n-octylphthalate	10	U	20	U	100	U	10	U	400	U	10	U
Dibenz(a,h)anthracene	10	U	20	U	100	U	10	U	400	UJ	10	U
Dibenzofuran	10	U	20	U	11	J	10	U	400	U	10	U
Diethylphthalate	10	U	2	J	100	U	10	U	400	U	10	U
Dimethylphthalate	10	U	20	U	100	U	10	U	400	U	10	U
Fluoranthene	10	U	10	J	71	J	10	U	400	U	10	U
Fluorene	10	U	11	J	70	J	10	U	53	J	3	J
Hexachlorobenzene	10	U	20	U	100	U	10	U	400	U	10	U
Hexachlorobutadiene	10	U	20	U	100	U	10	U	400	U	10	U
Hexachlorocyclopentadiene	10	U	20	UJ	100	UJ	10	UJ	400	UJ	10	UJ
Hexachloroethane	10	U	20	U	100	U	10	U	400	U	10	U
Indeno(1,2,3-cd)pyrene	10	U	20	U	12	J	10	U	400	UJ	10	U
Isophorone	10	U	20	U	100	U	10	U	400	U	10	U
N-Nitrosodi-n-propylamine	10	U	20	UJ	100	UJ	10	UJ	400	UJ	10	UJ
N-Nitrosodiphenylamine	10	U	20	U	100	U	10	U	400	U	10	U
Naphthalene	10	U	250		810		10	U	3600		61	
Nitrobenzene	10	U	20	U	100	U	10	U	400	U	10	U
Pentachlorophenol	20	U	40	U	200	U	20	U	800	U	20	U
Phenanthrene	10	U	11	J	160		10	U	94	J	5	J
Phenol	10	U	3	J	100	U	10	U	400	U	10	U
Pyrene	10	U	19	J	110		10	U	400	U	1	J

Table 1.5: Groundwater SVOC Results

Lab Sample ID	F0557-09B		F0557-10B		F0557-11B		F0557-12B		F0557-13B		F0557-14B		F0557-21B	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	GS-12		GS-12		GS-10		GS-13		GS-14		GS-15		GS-11	
Field Sample ID	SLGW01210SCXX		SLGW01210SCXD		SLGW01007SCXX		SLGW01308SCXX		SLGW01411SCXX		SLGW01507SCXX		SLGW01111SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007	
QC Code	FS		FD		FS		FS		FS		FS		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,2,4-Trichlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U	100	U
1,2-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U	100	U
1,3-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U	100	U
1,4-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U	100	U
2,4,5-Trichlorophenol	20	U	20	U	20	U	20	U	20	U	20	U	200	U
2,4,6-Trichlorophenol	10	U	10	U	10	U	10	U	10	U	10	U	100	U
2,4-Dichlorophenol	10	U	10	U	10	U	10	U	10	U	10	U	100	U
2,4-Dimethylphenol	10	UJ	10	UJ	10	U	10	U	10	U	10	U	100	U
2,4-Dinitrophenol	20	UJ	20	UJ	20	UJ	20	UJ	20	UJ	20	UJ	200	UJ
2,4-Dinitrotoluene	10	U	10	U	10	U	10	U	10	U	10	U	100	U
2,6-Dinitrotoluene	10	U	10	U	10	U	10	U	10	U	10	U	100	U
2-Chloronaphthalene	10	U	10	U	10	U	10	U	10	U	10	U	100	U
2-Chlorophenol	10	U	10	U	10	U	10	U	10	U	10	U	100	U
2-Methylnaphthalene	10	U	10	U	21		10	U	10	U	10	U	200	
2-Methylphenol	10	U	10	U	10	U	10	U	10	U	10	U	100	U
2-Nitroaniline	20	U	20	U	20	U	20	U	20	U	20	UJ	200	UJ
2-Nitrophenol	10	U	10	U	10	U	10	U	10	U	10	U	100	U
3,3`-Dichlorobenzidine	10	U	10	U	10	U	10	U	10	U	10	U	100	U
3-Nitroaniline	20	U	20	U	20	U	20	U	20	U	20	U	200	U
4,6-Dinitro-2-methylphenol	20	U	20	U	20	U	20	U	20	U	20	UJ	200	UJ
4-Bromophenyl phenyl ether	10	U	10	U	10	U	10	U	10	U	10	U	100	U
4-Chloro-3-methylphenol	10	U	10	U	10	U	10	U	10	U	10	U	100	U
4-Chloroaniline	10	U	10	U	10	U	10	U	10	U	10	U	100	U
4-Chlorophenyl phenyl ether	10	U	10	U	10	U	10	U	10	U	10	U	100	U
4-Methylphenol	10	U	10	U	10	U	10	U	10	U	10	U	100	U
4-Nitroaniline	20	U	20	U	20	U	20	U	20	U	20	U	200	U
4-Nitrophenol	20	UJ	20	UJ	20	UJ	20	UJ	20	UJ	20	UJ	200	UJ
Acenaphthene	10	U	10	U	6	J	10	U	10	U	10	U	63	J
Acenaphthylene	10	U	10	U	12		10	U	4	J	10	U	13	J
Anthracene	10	U	10	U	9	J	10	U	10	U	10	U	100	U
Benzo(a)anthracene	10	U	10	U	12		10	U	10	U	10	U	100	U
Benzo(a)pyrene	10	U	10	U	12		10	U	10	U	10	U	100	U
Benzo(b)fluoranthene	10	U	10	U	17		10	U	10	U	10	U	100	U
Benzo(ghi)perylene	10	U	10	U	14		10	U	10	U	10	U	100	UJ
Benzo(k)fluoranthene	10	U	10	U	5	J	10	U	10	U	10	U	100	U
Bis(2-Chloroethoxy)methane	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Bis(2-Chloroethyl)ether	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Bis(2-Chloroisopropyl)ether	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Bis(2-Ethylhexyl)phthalate	10	U	1	J	10	U	10	U	10	U	10	U	100	U
Butylbenzylphthalate	10	U	10	U	10	U	10	U	10	U	10	UJ	100	U

Table 1.5: Groundwater SVOC Results

Lab Sample ID	F0557-09B		F0557-10B		F0557-11B		F0557-12B		F0557-13B		F0557-14B		F0557-21B	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557		F0557		F0557		F0557	
Loc Name	GS-12		GS-12		GS-10		GS-13		GS-14		GS-15		GS-11	
Field Sample ID	SLGW01210SCXX		SLGW01210SCXD		SLGW01007SCXX		SLGW01308SCXX		SLGW01411SCXX		SLGW01507SCXX		SLGW01111SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007		5/2/2007	
QC Code	FS		FD		FS		FS		FS		FS		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Carbazole	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Chrysene	10	U	10	U	8	J	10	U	10	U	10	U	100	U
Di-n-butylphthalate	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Di-n-octylphthalate	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Dibenz(a,h)anthracene	10	U	10	U	2	J	10	U	10	U	10	U	100	UJ
Dibenzofuran	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Diethylphthalate	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Dimethylphthalate	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Fluoranthene	10	U	10	U	23		1	J	10	U	10	U	100	U
Fluorene	10	U	10	U	9	J	10	U	10	U	10	U	15	J
Hexachlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Hexachlorobutadiene	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Hexachlorocyclopentadiene	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ	100	UJ
Hexachloroethane	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Indeno(1,2,3-cd)pyrene	10	U	10	U	10		10	U	10	U	10	U	100	UJ
Isophorone	10	U	10	U	10	U	10	U	10	U	10	U	100	U
N-Nitrosodi-n-propylamine	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ	100	UJ
N-Nitrosodiphenylamine	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Naphthalene	10	U	10	U	42		10	U	9	J	10	U	1200	
Nitrobenzene	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Pentachlorophenol	20	U	20	U	20	U	20	U	20	U	20	U	200	U
Phenanthrene	10	U	10	U	26		10	U	10	U	10	U	20	J
Phenol	10	U	10	U	10	U	10	U	3	J	10	U	100	U
Pyrene	10	U	10	U	59		2	J	10	U	10	U	100	U

Table 1.5: Groundwater SVOC Results

Lab Sample ID	**F0557-10B**		**F0557-11B**		**F0557-12B**		**F0557-13B**		**F0557-14B**		**F0557-21B**	
Lab Sample Delivery Group	**F0557**		**F0557**		**F0557**		**F0557**		**F0557**		**F0557**	
Loc Name	**GS-12**		**GS-10**		**GS-13**		**GS-14**		**GS-15**		**GS-11**	
Field Sample ID	**SLGW01210SCXD**		**SLGW01007SCXX**		**SLGW01308SCXX**		**SLGW01411SCXX**		**SLGW01507SCXX**		**SLGW01111SCXX**	
Field Sample Date	**5/2/2007**		**5/2/2007**		**5/2/2007**		**5/2/2007**		**5/2/2007**		**5/2/2007**	
QC Code	**FD**		**FS**		**FS**		**FS**		**FS**		**FS**	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**

Notes:
Results in microgram per liter (µg/L)
Samples analyzed for SVOCs by Method SW846 8270C
QC Code:
FS = Field Sample
FD = Field Duplicate
EB = Equipment Blank
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value

Table 1.6: Groundwater Pesticide & PCB Results

Lab Sample ID	F0557-03B		F0557-04B		F0557-09B		F0557-10B	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557	
Loc Name	GS-06		GS-07		GS-12		GS-12	
Field Sample ID	SLGW00608SCXX		SLGW00708SCXX		SLGW01210SCXX		SLGW01210SCXD	
Field Sample Date	5/1/2007		5/1/2007		5/2/2007		5/2/2007	
QC Code	FS		FS		FS		FD	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
PCBs								
Aroclor-1016	1	U	1	U	1	U	1	U
Aroclor-1221	1	U	1	U	1	U	1	U
Aroclor-1232	1	U	1	U	1	U	1	U
Aroclor-1242	1	U	1	U	1	U	1	U
Aroclor-1248	1	U	1	U	1	U	1	U
Aroclor-1254	1	U	1	U	1	U	1	U
Aroclor-1260	1	U	1	U	1	U	1	U
Pesticides								
4,4`-DDD	0.53	J	0.1	U	0.1	U	0.1	U
4,4`-DDE	0.1	U	0.1	U	0.1	U	0.1	U
4,4`-DDT	0.2	PNJ	0.1	U	0.1	U	0.1	U
Aldrin	0.05	U	0.05	U	0.05	U	0.05	U
Alpha-BHC	0.05	U	0.05	U	0.05	U	0.05	U
Alpha-Chlordane	0.05	U	0.05	U	0.05	U	0.05	U
Beta-BHC	0.05	U	0.05	U	0.05	U	0.05	U
Delta-BHC	0.05	U	0.05	U	0.05	U	0.05	U
Dieldrin	0.1	U	0.1	U	0.1	U	0.1	U
Endosulfan I	0.05	U	0.05	U	0.05	U	0.05	U
Endosulfan II	0.1	U	0.1	U	0.1	U	0.1	U
Endosulfan sulfate	0.1	UJ	0.1	U	0.1	U	0.1	U
Endrin	0.1	U	0.1	U	0.1	U	0.1	U
Endrin aldehyde	0.26	PJ	0.1	U	0.1	U	0.1	U
Endrin ketone	0.1	U	0.1	U	0.1	U	0.1	U
Gamma-BHC/Lindane	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ
Gamma-Chlordane	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor epoxide	0.05	U	0.05	U	0.05	U	0.05	U
Methoxychlor	0.5	UJ	0.5	U	0.5	U	0.5	U
Toxaphene	5	U	5	U	5	U	5	U
Alpha-BHC	0.05	U	0.05	U	0.05	U	0.05	U

Notes:
Results in microgram per liter (µg/L)
Samples analyzed for Pesticides by Method SW846 8081A
Samples analyzed for PCBs by Method SW846 8082
QC Code:
FS = Field Sample
FD = Field Duplicate
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
P = The percent difference between columns is greater than 25%
NJ = The percent differece between columns is greater than 70%

Table 1.7: Groundwater Metals Results

Lab Sample ID	F0557-03C		F0557-04C		F0557-09C		F0557-10C	
Lab Sample Delivery Group	F0557		F0557		F0557		F0557	
Loc Name	GS-06		GS-07		GS-12		GS-12	
Field Sample ID	SLGW00608SCXX		SLGW00708SCXX		SLGW01210SCXX		SLGW01210SCXD	
Field Sample Date	5/1/2007		5/1/2007		5/2/2007		5/2/2007	
QC Code	FS		FS		FS		FD	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Aluminum	13300		3740		292		271	
Antimony	3.6	U	1.2	U	1.2	U	2.9	U
Arsenic	17.5	B	1.6	U	1.6	U	1.6	U
Barium	232		78.1	B	18.9	B	19.3	B
Beryllium	0.38	B	0.16	B	0.15	U	0.15	U
Cadmium	0.97	B	0.15	B	0.1	U	0.1	U
Calcium	81600		23400		3130		3170	
Chromium	20.5		3.2	B	0.42	B	0.95	B
Cobalt	11.3	B	0.15	U	3.3	B	3	B
Copper	148		8.4	B	6.3	U	6.3	U
Iron	25900		22000		1470		1450	
Lead	142		11		0.46	UJ	0.64	BJ
Magnesium	4760		1190		729		725	
Manganese	395		122		900		918	
Nickel	31.2	B	0.59	U	0.83	BJ	0.59	UJ
Potassium	2410		5650		394	B	419	B
Selenium	9.3	B	10.4	B	2.7	BJ	0.98	UJ
Silver	0.91	U	1.1	U	0.91	U	0.91	U
Sodium	1600		3640		1270		1290	
Thallium	3.6	B	1.2	U	1.2	U	1.2	U
Vanadium	30.7	B	7.6	B	0.47	U	0.47	U
Zinc	317		19	B	8.1	U	10.5	U
Mercury	0.21	U	0.047	U	0.074	U	0.047	U

Notes:
Results in microgram per liter (µg/L)
Samples analyzed for metals by Method SW846 6010B/7470A
QC Code:
FS = Field Sample
FD = Field Duplicate
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
B = Estimated value. Reported result was between the MDL and RL

DATA USABILITY SUMMARY REPORT (F0561)
2007 SAMPLING EVENT
SARANAC LAKE GAS CO.
SARANAC LAKE, NEW YORK

1.0 Introduction

Sediment samples were collected at the Saranac Lake Gas Co. site in May of 2007 and submitted for off-site laboratory analyses. All analyses except % Sulfur were performed by Mitkem Corporation located in Warwick, Rhode Island. Analyses for % Sulfur were performed by R.I. Analytical of Warwick, Rhode Island.

This DUSR contains information from one sample delivery group (F0561) and 13 sediment samples requesting multiple analyses. A listing of the samples and analyses included in this investigation is presented in Table 1. A summary of the analytical results is presented in the attached Tables. Samples were analyzed for the following parameters:

- VOC by USEPA Method 8260B,
- SVOC by USEPA Method 8270C,
- Pesticides by USEPA Method 8081A,
- PCBs by USEPA Method 8082,
- Total Metals by USEPA Method 6010B,
- Mercury by USEPA Method 7471A,
- Total Cyanide by USEPA Method 9012B,
- Total Organic Carbon using the Lloyd Kahn Method,
- Reactive Cyanide using SW-846 Section 7.3.3.2,
- Reactive Sulfide using SW-846 Section 7.3.4.2,
- % Sulfur using ASTM Method D 129-60,
- TCLP VOC, SVOC, Pesticides, Herbicides, Metals; and
- GC/FID Fingerprint

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2000).

A project chemist review was completed based on NYSDEC Division of Environmental Remediation guidance for Data Usability Summary Reports (NYSDEC, 2002). Laboratory QC limits were used during the data evaluation unless noted otherwise. The project chemist review included evaluations of sample collection, data package completeness, holding times, QC data (blanks, instrument calibrations, duplicates, surrogate recovery, and spike recovery), data transcription, electronic data reporting, calculations, and data qualification. With the exception of the items discussed below, results are interpreted to be usable as reported by the laboratory.

The following laboratory or data validation qualifiers are used in the final data presentation.

Qualifier	Applies to	Definition
U	All analytes	Target analyte is not detected at the reported detection limit
J	All analytes	Concentration is estimated
UJ	All analytes	Target analyte is not detected at the reported detection limit and is estimated
D	All analytes	Result was reported from a diluted analytical run.
R	All analytes	Result was rejected during validation
B	Metals	Estimated result. Reported result was between the method detection limit and reporting limit
N	Metals	The matrix spike recovery was outside of control limits.
N	Pest/PCB	Presumptive evidence the analyte is present in the sample.
*	Metals	The relative percent difference for the duplicate analysis was outside of limits.
E	Metals	The percent difference between the initial and serial dilution sample was greater than 10%.
P	Pest/PCB	The percent difference between results from the initial and confirmation column was greater than 25%
B	Volatiles	Analyte was detected in the method blank

Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 Volatile Organic Compounds

Blank Contamination

Methylene chloride (2 ug/kg) and naphthalene (2 ug/kg) were detected in the low level analysis of trip blank (TBSL5) associated with samples collected on May 2, 2007. Naphthalene (200 ug/kg) was also detected in the medium level analysis of trip blank (TBSL5) associated with samples analyzed as medium level extracts. Naphthalene was also detected in the method blanks associated with the samples. Action levels were established at ten times the blank concentration for methylene chloride and five times the maximum blank concentration for naphthalene and were compared to sample results. Low level detections of methylene chloride and naphthalene in one or more samples were qualified as non-detected (U).

Methylene chloride (2 ug/kg) and naphthalene (2 ug/kg) were detected in the low level analysis of trip blank (TBSL7) associated with samples collected on May 3, 2007. Naphthalene (190 ug/kg) was also detected in the medium level analysis of trip blank (TBSL7) associated with samples analyzed as medium level extracts. Naphthalene was also detected in the method blanks associated with the samples. Tentatively identified compounds (TICs) were detected in the low level analysis and medium level analysis of TBSL7. Action levels were established at ten times the blank concentration for methylene chloride and five times the maximum blank concentration for naphthalene and TICs and were compared to sample results. Low level detections of methylene chloride and naphthalene in one or more samples were qualified as non-detected (U). TICs (substituted naphthalenes) that were detected in the trip blank as well as the samples were deleted for final reporting in the following samples: SD01102SCXX, SD00701SCXX, SD00601SCXX, SD00502SCXX, and SD01203SCXX.

Initial Calibration

In the initial calibration associated with a subset of samples, the percent relative standard deviations (%RSDs) for dichlorodifluoromethane (18.2), bromomethane (22.6), chloroethane (16.3), 1,1-dichloroethene (19.3), acetone (34.7), iodomethane (15.1), 2-hexanone (18.7), and hexachlorobutadiene (17.1) exceed the quality control (QC) limit of 15.0. The average relative response factor (RRF) for acetone (0.048) was less than the QC limit of 0.050. Associated samples are SD00103SCXX, SD00201SCXX, SD00201SCXD, SD00302SCXX, SD00402SCXX, SD01102SCXX, SD00904SCXX, and SD00802SCXX. Positive results for acetone were reported in all associated samples and were qualified as estimated (J). Dichlorodifluoromethane, bromomethane, chloroethane, 1,1-dichloroethene, iodomethane, 2-hexanone, and hexachlorobutadiene were not detected in the samples, and quantitation limits were qualified as estimated (UJ).

In the initial calibration associated with sample SD01003SCXX, the %RSDs for bromomethane (16.3), chloroethane (16.1), acetone (22.5), 2-butanone (18.0), 4-methyl-2-pentanone (16.2), and 2-hexanone (16.8) exceed the QC limit of 15.0. These analytes were not detected in SD01003SCXX and quantitation limits were qualified as estimated (UJ).

In the initial calibration associated with samples SD01203SCXX, SD00502SCXX, SD00601SCXX, and SD00701SCXX, the %RSDs for acetone (46.7), iodomethane (22.2), methylene chloride (26.8), trans-1,2-dichloroethene (23.7), and methyl tert-butyl ether (24.0) were outside the control limit of 15.0. The average RRFs for acetone (0.025) and 2-butanone (0.036) were below the control limit of 0.05. Positive detections of acetone were qualified as estimated (J). Non-detected results for acetone and 2-butanone were qualified as rejected (R) based on the low average RRFs. Iodomethane, methylene chloride, trans-1,2-dichloroethene, and methyl tert-butyl ether were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ).

In the initial calibration associated with the TCLP analyses of SD00904SCXX and WSTP02SCXX, the average RRF for 2-butanone (0.031) was below the control limit of 0.05. 2-Butanone was not detected in the samples and the non-detected results were qualified as rejected (R) in TCLP samples SD00904SCXX and WSTP02SCXX.

Continuing Calibration

In the continuing calibration associated with a subset of samples, percent differences (%Ds) for dichlorodifluoromethane (24.3), vinyl acetate (21.1), 1,1,1-trichloroethane (20.9), 4-methyl-2-pentanone (29.4), and 2-hexanone (20.8) were outside the QC limit of 20.0. Associated samples are SD00103SCXX, SD00201SCXX, SD00201SCXD, SD00302SCXX, SD00402SCXX, SD01102SCXX, and SD00904SCXX. Results for these analytes in the associated samples are non-detect and quantitation limits were qualified estimated (UJ).

In the continuing calibration associated with sample SD00802SCXX, the %Ds for dichlorodifluoromethane (42.2), vinyl chloride (21.4), bromomethane (36.8), trichlorofluoromethane (27.4), 1,1-dichloroethene (23.5), iodomethane (30.8), bromochloromethane (22.4), and 2-hexanone (29.3) are outside the QC limit of 20.0. These analytes were not detected in sample SD00802SCXX, and quantitation limits were qualified as estimated (UJ).

In the continuing calibration associated with sample SD01203SCXX, the RRFs for acetone (0.029) and 2-butanone (0.038) were below the minimum control limit of 0.05. Acetone and 2-butanone were not detected in the sample, and the non-detected results were qualified as rejected (R) in sample SD01203SCXX.

In the continuing calibration associated with samples SD00502SCXX, SD00601SCXX, and SD00701SCXX, the percent difference (%D) for iodomethane (24.7) was above the control limit of 20.0. The RRFs for acetone (0.025) and 2-butanone (0.042) were below the minimum control limit of 0.05. The positive result for acetone in SD00502SCXX was qualified as estimated (J) and the non-detected results for acetone in SD00601SCXX and SD00701SCXX were qualified as rejected (R). The non-detected results for 2-butanone in all three samples were qualified as rejected (R). Iodomethane was not detected in the samples, and quantitation limits were qualified as estimated (UJ).

In the continuing calibration associated with the TCLP analyses of SD00904SCXX and WSTP02SCXX, the %D for benzene (21.9) was above the control limit of 20.0. The RRF for 2-butanone (0.033) was below the minimum RRF of 0.05. Results for 2-butanone in the TCLP samples were previously rejected based on the initial calibration RRF. Positive and non-detected results for benzene in TCLP samples SD00904SCXX and WSTP02SCXX were qualified as estimated (J/UJ).

Surrogate Recoveries

Percent recovery of bromofluorobenzene (112) in sample SD00402SCXX was above the control limit, indicating a potential high bias for positive detections. Positive results reported for acetone, 2-butanone, and ethylbenzene in SD00402SCXX were qualified as estimated (J).

Percent recovery of dibromofluoromethane (55) in the diluted analysis of SD00904SCXX was below the control limit, indicating a potential low bias for reported results. The result for naphthalene, selected for final reporting from the diluted analysis of SD00904SCXX, was qualified as estimated (J).

Percent recovery of dibromofluoromethane (77) in the TCLP analysis of SD00904SCXX was below the control limit, indicating a potential low bias for reported results. All TCLP results for SD00904SCXX were non-detect, and quantitation limits for TCLP sample SD00904SCXX were qualified as estimated (UJ).

Matrix Spike/Matrix Spike Duplicate

Percent recoveries for the majority of target analytes in the matrix spike/matrix spike duplicate (MS/MSD) of sample SD00201SCXX are below control limits, indicating potential low biases. Due to the significant number of low recoveries and based on professional judgment, positive and non-detected results for all analytes in SD00201SCXX and its field duplicate, SD00201SCXD, were qualified as estimated (J/UJ).

Laboratory Control Sample

Percent recoveries for m,p-xylene (82), total xylenes (80), and isopropylbenzene (78) in the laboratory control sample (LCS) associated with SD01003SCXX were below control limits indicating potential low biases. Isopropylbenzene, m,p-xylene, and total xylenes were not detected in the sample, and quantitation limits were qualified as estimated (UJ).

The percent recovery for methylene chloride (60) in the LCS associated with sample SD01203SCXX was below the control limit, indicating a potential low bias. Methylene chloride was not detected in the sample, and the quantitation limit was qualified as estimated (UJ).

Percent recoveries for methylene chloride (23), trans-1,2-dichloroethene (40), methyl tert-butyl ether (44), 1,1-dichloroethane (22), and vinyl acetate (20) in the LCS associated with samples SD00502SCXX, SD00601SCXX, and SD00701SCXX were below control limits, indicating potential low biases. Positive and non-detected results for methylene chloride were qualified as estimated (J/UJ). Methyl tert-butyl ether, trans-1,2-dichloroethene, 1,1-dichloroethane, and vinyl acetate were not detected in the samples, and quantitation limits were qualified as estimated (UJ) in SD00502SCXX, SD00601SCXX, and SD00701SCXX.

Quantitation

Acetone was reported in the initial analysis of SD01102SCXX at a concentration above the linear range of calibration. The sample was diluted and reanalyzed. In the diluted analysis, acetone was not detected. The initial, undiluted result for acetone in SD01102SCXX was selected for final reporting and was qualified as estimated (J).

3.0 Semivolatile Organic Compounds

Blank Contamination

Acenaphthylene (1 ug/L), phenanthrene (3 ug/L), fluoranthene (5 ug/L), pyrene (9 ug/L), benzo(a)anthracene (2 ug/L), chrysene (2 ug/L), and an Unknown TIC (Retention Time 12.11 minutes) (5 ug/L) were reported in the field blanks (GSQS01SCXX and SDQS01SCXX). The Unknown TIC was not detected in the samples; no further action required. Action levels for acenaphthylene, phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, and chrysene were established at five times the blank concentrations and were compared to sample data. Low level detections of acenaphthylene, phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, and chrysene were qualified as non-detected (U) in one or more samples.

Bis(2-ethylhexyl) phthalate (100 ug/kg) was reported in the method blank. An action level was established at ten times the concentration detected in the blank and was compared to sample data. Low level detections of bis(2-ethylhexyl) phthalate in one or more samples were qualified as non-detected (U).

Initial Calibration

In the initial calibration, the %RSD for 2,4-dinitrophenol (34.5) exceeds the QC limit of 30.0. The results for 2,4-dinitrophenol in all associated samples were non-detect and quantitation limits were qualified as estimated (UJ).

Continuing Calibration

In the continuing calibration associated with a subset of samples, the %Ds for n-nitroso-di-n-propylamine (-24.6), 2-nitroaniline (-20.6), 2,4-dinitrophenol (41.2), 4-nitrophenol (-21.0), 4,6-dinitro-2-methylphenol (24.7), and butylbenzyl phthalate (-24.5) exceed the QC limit of 20.0.

Associated samples are SD00103SCXX, SD00201SCXX, SD00201SCXD, SD00302SCXX, SD01003SCXX, and SD01102SCXX. These analytes were not detected in the samples, and quantitation limits were qualified as estimated (UJ).

In the continuing calibration associated with a subset of samples, the %Ds for n-nitroso-di-n-propylamine (27.2), 2,4-dinitrophenol (60.0), 4-nitrophenol (-23.4), 4,6-dinitro-2-methylphenol (32.2), indeno(1,2,3-c,d)pyrene (-22.5), dibenzo(a,h)anthracene (-21.6), and benzo(g,h,i)perylene (-26.2) exceed the QC limit of 20.0. Associated samples are SD00402SCXX, SD01203SCXX, and SD00601SCXX. Positive and non-detected results for these analytes were qualified as estimated (J/UJ).

In the continuing calibration associated with sample SD00904SCXX, the %Ds for n-nitroso-di-n-propylamine (-22.8), 2-nitrophenol (23.7), 2,4-dinitrophenol (65.9), and 4,6-dinitro-2-methylphenol (44.1) exceed the QC limit of 20.0. These analytes were not detected in SD00904SCXX, and quantitation limits were qualified as estimated (UJ).

In the continuing calibration associated with sample SD00502SCXX, the %Ds for 2-nitrophenol (20.4), 2,4-dinitrophenol (74.1), 2,4-dinitrotoluene (20.1), 4,6-dinitro-2-methylphenol (44.1), and butylbenzyl phthalate (-25.3) exceed the QC limit of 20.0. These analytes were not detected in the sample, and quantitation limits were qualified as estimated (UJ).

In the continuing calibration associated with samples SD00701SCXX and SD00802SCXX, the %Ds for hexachlorocyclopentadiene (-22.9), 2,4-dinitrophenol (43.5), 2,4-dinitrotoluene (23.6), 4,6-dinitro-2-methylphenol (20.4), and butylbenzyl phthalate (-26.0) exceed the QC limit of 20.0. These analytes were not detected in samples SD00701SCXX and SD00802SCXX, and quantitation limits were qualified as estimated (UJ).

Matrix Spike/Matrix Spike Duplicate

The relative percent difference (RPD) between matrix spike (MS) and matrix spike duplicate (MSD) recoveries for hexachlorocyclopentadiene (46) was outside the control limit in the MS/MSD associated with sample SD00201SCXX. Hexachlorocyclopentadiene was not detected in SD00201SCXX or its field duplicate, SD00201SCXD, and quantitation limits were qualified as estimated (UJ) in both the sample and field duplicate.

Laboratory Control Sample

Percent recovery for 2,4-dimethylphenol (22) in the laboratory control sample (LCS) associated with the sediment samples is below the control limit. 2,4-Dimethylphenol was not detected in any of the samples, and quantitation limits were qualified as estimated (UJ).

Percent recoveries for pyridine (31, 40) in the LCS/LCSD associated with the TCLP samples are below the control limit. Pyridine was not detected in the TCLP samples, and quantitation limits were qualified as estimated in TCLP samples SD00904SCXX and WSTP02SCXX.

4.0 Pesticides

Continuing Calibration

In the continuing calibration associated with samples SD00402SCXX and SD00502SCXX, the percent differences (%Ds) for beta-BHC (26.3, 15.5), delta-BHC (24.0, 17.0), gamma-BHC (24.7, 17.8), and heptachlor (20.0, 15.1) exceed the QC limit of 15.0 on both GC columns. Positive and non-detected results for beta-BHC, delta-BHC, gamma-BHC, and heptachlor in SD00402SCXX and SD00502SCXX were qualified as estimated (J/UJ). Percent differences for 4,4'-DDD (17.9) and 4,4'-DDT (18.2) on the column used for reported results were outside the control limit of 15.0. The positive results for 4,4'-DDD and 4,4'-DDT in SD00402SCXX and 4,4'-DDD in SD00502SCXX were qualified as estimated (J).

In the continuing calibration associated with sample SD00904SCXX, %Ds for endosulfan sulfate (16.9, 17.9) and endrin ketone (19.3, 16.0) were outside the control limit of 15.0 on both GC columns. Endosulfan sulfate and endrin ketone were not detected in SD00904SCXX, and quantitation limits were qualified as estimated (UJ).

Surrogate Recoveries

Percent recoveries for decachlorobiphenyl (169, 653) in sample SD00402SCXX were above the control limits indicating potential high biases for positive detections. Positive detections in SD00402SCXX were qualified estimated (J).

Quantitation

The percent differences between the primary column and confirmatory column for heptachlor epoxide (142), endrin (140), endosulfan II (170), 4,4'-DDD (63.2), endosulfan sulfate (88.2), 4,4'-DDT (26.4) and methoxychlor (157) in the analysis of sample SD00402SCXX were above the QC limit of 25. The results for 4,4'-DDD and 4,4'-DDT were qualified (J). Based on %Ds greater than 70, the results for heptachlor epoxide, endrin, endosulfan II, endosulfan sulfate, and methoxychlor in SD00402SCXX were qualified estimated with presumptive evidence the analyte is present in the sample (NJ). For all positive detections, the lower result obtained from the dual column analysis was reported for each pesticide.

The %Ds between the primary column and confirmatory column for heptachlor epoxide (52.6), alpha-chlordane (58.1), and gamma-chlordane (100) in the analysis of sample SD00904SCXX were above the control limit of 25. The results for heptachlor epoxide and alpha-chlordane were qualified as estimated (J). Based on a %D greater than 70, the result for gamma-chlordane in SD00904SCXX was qualified estimated with presumptive evidence the analyte is present in the sample (NJ). For all positive detections, the lower result obtained from the dual column analysis was reported for each pesticide.

The percent differences between the primary column and confirmatory column for beta-BHC (124), heptachlor epoxide (77.8), dieldrin (90.0), 4,4'-DDE (98.2), alpha-chlrodane (130), and gamma-chlordane (37.8) in the analysis of sample SD00502SCXX were above the QC limit of 25. The result for gamma-chlordane was qualified (J). Based on %Ds greater than 70, the results for beta-BHC, heptachlor epoxide, dieldrin, 4,4'-DDE, and alpha-chlordane in SD00502SCXX were qualified estimated with presumptive evidence the analyte is present in the sample (NJ). For all positive detections, the lower result obtained from the dual column analysis was reported for each pesticide.

5.0 Polychlorinated Biphenyls (PCBs)

Quantitation

For all positive detections of PCBs, the higher result obtained from the dual column analysis was reported for each Aroclor.

6.0 Metals

Blank Contamination

Silver (0.24 mg/kg) and mercury (0.005 mg/kg) were detected in the instrument calibration blanks and/or preparation blank associated with the sediment samples. Action levels were established at five times the maximum concentrations detected in the blanks and were compared to sample results. Low level detections of silver and mercury in all sediment samples were qualified as non-detected (U).

Cadmium (0.2 ug/L), chromium (0.56 ug/L), and selenium (11.8 ug/L) were detected in the instrument calibration blanks and/or preparation blanks associated with TCLP samples SD00904SCXX and WSTP02SCXX. Action levels were established at five times the maximum concentrations detected in the blanks and were compared to sample results. Low level detections of cadmium, chromium, and selenium in TCLP sample WSTP02SCXX, and low level detections of chromium and selenium in TCLP sample SD00904SCXX were qualified as non-detected (U).

7.0 Wet Chemistry (Reactivity, TOC, % Sulfur, Cyanide)

Blank Contamination

Cyanide (0.22 mg/kg) was detected in the method blank associated with samples SD00904SCXX and WSTP02SCXX. Cyanide was not detected in SD00904SCXX; no further action required. The low level detection of cyanide in WSTP02SCXX was qualified as non-detected (U).

Laboratory Control Samples

Percent recoveries of reactive cyanide were 7.6 and 0.0. Although the LCS recoveries were within the laboratory control limits of 0-12, the narrative stated that percent recoveries for reactive cyanide are typically in the range of 10. Based on professional judgment, the results for reactive cyanide, non-detected in applicable sediment samples, were qualified as estimated (UJ).

Quantitation

The laboratory reported all Total Organic Carbon (TOC) results with "E" qualifiers to indicate the results were above the linear range of instrument calibration. Reanalyses at dilutions were not performed due to the already small sample size used for the initial analyses. All TOC results were qualified as estimated (J).

8.0 GC/FID Fingerprint

The laboratory case narrative indicated the GC/FID fingerprint analysis was performed to separate and identify common hydrocarbon fuels and other petroleum-related products. Results were compared to a library of standards of known petroleum products, including fuel oils #1, #2/diesel, #3, #4, #5, #6, kerosene, mineral spirits, turpentine, paint thinner, jet fuels JP-4, JP-5, gasoline, aviation gasoline, lubricating oil, motor oil, hydraulic oil, transmission oil, coal tar, creosote.

The sample analysis did not provide enough information to identify specific sources for the hydrocarbons present in the samples. Hydrocarbon fuels and other products are identified by comparison of the pattern of resolved and unresolved peaks to that of known fuel or product standards, but due to the nature of the samples, specific sources were not definitive. The patterns of peaks in the samples tested could be derived from both single products or mixtures of two or more products. Evaporative and/or biological weathering can also complicate product identification. From a comparative stand point, sample WSTP02SCXX resembled a coal tar/creosote pattern, whereas sample SD00904SCXX did not match any laboratory reference standards. A closer examination of the chromatograms during data review indicate the sample for location SD-09 has peak patterns that exhibit characteristics of both coal tar/fuel related standards.

TABLE 1

SDG	Sample Name	Date Collected	Method	Parameter	Type
F0561	SD00103SCXX	5/2/2007	8260B, 8270C	VOC, SVOC, Wet Chem	FS
F0561	SD00201SCXX	5/2/2007	8260B, 8270C	VOC, SVOC, Wet Chem	FS
F0561	SD00201SCXD	5/2/2007	8260B, 8270C	VOC, SVOC, Wet Chem	FD
F0561	GSQS01SCXX	5/2/2007	8260B, 8270C	VOC, SVOC	FB
F0561	SD00302SCXX	5/3/2007	8260B, 8270C	VOC, SVOC, Wet Chem	FS
F0561	SD00402SCXX	5/3/2007	8260B, 8270C, 8081A, 8082, 6010B, 7471A	VOC, SVOC, Pest/PCB, Metals, Wet Chem	FS
F0561	SD01203SCXX	5/3/2007	8260B, 8270C	VOC, SVOC, Wet Chem	FS
F0561	SD01003SCXX	5/3/2007	8260B, 8270C	VOC, SVOC, Wet Chem	FS
F0561	SD01102SCXX	5/3/2007	8260B, 8270C	VOC, SVOC, Wet Chem	FS
F0561	SD00904SCXX	5/3/2007	8260B, 8270C, 8081A, 8082, 6010B, 7471A, 7470A, 8151A, 1311, 8015	VOC, SVOC, Pest/PCB, Metals, Full suite TCLP Reactivity, TOC, GC/FID Fingerprint	FS
F0561	TRIP BLANK SL5	5/2/2007	8260B	VOC	TB
F0561	TRIP BLANK SL6	5/2/2007	8260B	VOC	TB
F0561	SD00502SCXX	5/3/2007	8260B, 8270C, 8081A,	VOC, SVOC,	FS

SDG	Sample Name	Date Collected	Method	Parameter	Type
			8082, 6010B, 7471A	Pest/PCB, Metals, Wet Chem	
F0561	SD00601SCXX	5/3/2007	8260B, 8270C	VOC, SVOC, Wet Chem	FS
F0561	SD00701SCXX	5/3/2007	8260B, 8270C	VOC, SVOC, Wet Chem	FS
F0561	SD00802SCXX	5/3/2007	8260B, 8270C	VOC, SVOC, Wet Chem	FS
F0561	SDQS01SCXX	5/4/2007	8260B, 8270C	VOC, SVOC	FB
F0561	WSTP02SCXX	5/4/2007	8260B, 8270C, 8081A, 8151A, 6010B, 7470A, 1311, 8015	VOC, SVOC, Pest/PCB, Metals, Full suite TCLP Reactivity, TOC, GC/FID Fingerprint	FS
F0561	TRIP BLANK SL7	5/3/2007	8260B	VOC	TB
F0561	TRIP BLANK SL8	5/3/2007	8260B	VOC	TB

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2000. "Analytical Services Protocols"; June 2000.

New York State Department of Environmental Conservation (NYSDEC), 2002. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; Draft DER-10; Division of Environmental Remediation; December 2002.

Data Validator: Julie Ricardi
Signature on file Date: 8/1/2007

Reviewed by: JPC

Table 1.1: Sediment VOC Results

Lab Sample ID	F0561-01B		F0561-02B		F0561-03B		F0561-05B		F0561-06B		F0561-07C	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-01		SD-02		SD-02		SD-03		SD-04		SD-012	
Field Sample ID	SLSD00103SCXX		SLSD00201SCXX		SLSD00201SCXD		SLSD00302SCXX		SLSD00402SCXX		SLSD01203SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FD		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1,1,2-Tetrachloroethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,1,1-Trichloroethane	4	UJ	4	UJ	3	UJ	5	UJ	5	UJ	3000	U
1,1,2,2-Tetrachloroethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,1,2-Trichloroethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,1-Dichloroethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,1-Dichloroethene	4	UJ	4	UJ	3	UJ	5	UJ	5	UJ	3000	U
1,1-Dichloropropene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,2,3-Trichlorobenzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,2,3-Trichloropropane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,2,4-Trichlorobenzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,2,4-Trimethylbenzene	4	U	4	UJ	3	UJ	5	U	5	U	5000	
1,2-Dibromo-3-chloropropane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,2-Dibromoethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,2-Dichlorobenzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,2-Dichloroethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,2-Dichloropropane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,3,5-Trimethylbenzene	4	U	4	UJ	3	UJ	5	U	5	U	2300	J
1,3-Dichlorobenzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,3-Dichloropropane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
1,4-Dichlorobenzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
2,2-Dichloropropane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
2-Butanone	12		9	J	8	J	48		36	J		R
2-Chlorotoluene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
2-Hexanone	4	UJ	4	UJ	3	UJ	5	UJ	5	UJ	3000	U
4-Chlorotoluene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
4-iso-Propyltoluene	4	U	4	UJ	3	UJ	5	U	5	U	2100	J
4-Methyl-2-pentanone	4	UJ	4	UJ	3	UJ	5	UJ	5	UJ	3000	U
Acetone	44	J	38	J	28	J	140	J	130	J		R
Benzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Bromobenzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Bromochloromethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Bromodichloromethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Bromoform	4	U	4	UJ	3	UJ	5	U	5	U	3000	U

Table 1.1: Sediment VOC Results

Lab Sample ID	F0561-01B		F0561-02B		F0561-03B		F0561-05B		F0561-06B		F0561-07C	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-01		SD-02		SD-02		SD-03		SD-04		SD-012	
Field Sample ID	SLSD00103SCXX		SLSD00201SCXX		SLSD00201SCXD		SLSD00302SCXX		SLSD00402SCXX		SLSD01203SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FD		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Bromomethane	4	UJ	4	UJ	3	UJ	5	UJ	5	UJ	3000	U
Carbon disulfide	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Carbon tetrachloride	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Chlorobenzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Chlorodibromomethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Chloroethane	4	UJ	4	UJ	3	UJ	5	UJ	5	UJ	3000	U
Chloroform	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Chloromethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Cis-1,2-Dichloroethene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
cis-1,3-Dichloropropene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Dibromomethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Dichlorodifluoromethane	4	UJ	4	UJ	3	UJ	5	UJ	5	UJ	3000	U
Ethyl benzene	4	U	4	UJ	3	UJ	5	U	2	J	3000	U
Hexachlorobutadiene	4	UJ	4	UJ	3	UJ	5	UJ	5	UJ	3000	U
Iodomethane	4	UJ	4	UJ	3	UJ	5	UJ	5	UJ	3000	UJ
Isopropylbenzene	4	U	4	UJ	3	UJ	5	U	5	U	740	J
Methyl Tertbutyl Ether	4	U	4	UJ	3	UJ	5	U	5	U	3000	UJ
Methylene chloride	4	U	4	UJ	3	UJ	5	U	5	U	3000	UJ
n-Butylbenzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Naphthalene	4	U	4	UJ	3	UJ	5	U	5	U	61000	B
o-Xylene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Propylbenzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
sec-Butylbenzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Styrene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
tert-Butylbenzene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Tetrachloroethene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Toluene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
trans-1,2-Dichloroethene	4	U	4	UJ	3	UJ	5	U	5	U	3000	UJ
trans-1,3-Dichloropropene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Trichloroethene	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Trichlorofluoromethane	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Vinyl acetate	4	UJ	4	UJ	3	UJ	5	UJ	5	UJ	3000	U
Vinyl chloride	4	U	4	UJ	3	UJ	5	U	5	U	3000	U

Table 1.1: Sediment VOC Results

Lab Sample ID	F0561-01B		F0561-02B		F0561-03B		F0561-05B		F0561-06B		F0561-07C	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-01		SD-02		SD-02		SD-03		SD-04		SD-012	
Field Sample ID	SLSD00103SCXX		SLSD00201SCXX		SLSD00201SCXD		SLSD00302SCXX		SLSD00402SCXX		SLSD01203SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FD		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Xylene, m/p	4	U	4	UJ	3	UJ	5	U	5	U	3000	U
Xylenes, Total	4	U	4	UJ	3	UJ	5	U	5	U	3000	U

Table 1.1: Sediment VOC Results

Lab Sample ID	F0561-08B		F0561-09B		F0561-10B		F0561-13C		F0561-14C		F0561-15C	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-010		SD-011		SD-09		SD-05		SD-06		SD-07	
Field Sample ID	SLSD01003SCXX		SLSD01102SCXX		SLSD00904SCXX		SLSD00502SCXX		SLSD00601SCXX		SLSD00701SCXX	
Field Sample Date	5/3/2007		5/3/2007		5/3/2007		5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FS		FS		FS		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,1,1-Trichloroethane	7	U	9	UJ	4	UJ	1600	U	12000	U	6800	U
1,1,2,2-Tetrachloroethane	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,1,2-Trichloroethane	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,1-Dichloroethane	7	U	9	U	4	U	1600	UJ	12000	UJ	6800	UJ
1,1-Dichloroethene	7	U	9	UJ	4	UJ	1600	U	12000	U	6800	U
1,1-Dichloropropene	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,2,3-Trichlorobenzene	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,2,3-Trichloropropane	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,2,4-Trichlorobenzene	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,2,4-Trimethylbenzene	7	U	9	U	140		330	J	14000		11000	
1,2-Dibromo-3-chloropropane	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,2-Dibromoethane	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,2-Dichlorobenzene	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,2-Dichloroethane	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,2-Dichloropropane	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,3,5-Trimethylbenzene	7	U	9	U	46		1600	U	5400	J	3900	J
1,3-Dichlorobenzene	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,3-Dichloropropane	7	U	9	U	4	U	1600	U	12000	U	6800	U
1,4-Dichlorobenzene	7	U	9	U	4	U	1600	U	12000	U	6800	U
2,2-Dichloropropane	7	U	9	U	4	U	1600	U	12000	U	6800	U
2-Butanone	7	UJ	100		18			R		R		R
2-Chlorotoluene	7	U	9	U	4	U	1600	U	12000	U	6800	U
2-Hexanone	7	UJ	9	UJ	4	UJ	1600	U	12000	U	6800	U
4-Chlorotoluene	7	U	9	U	4	U	1600	U	12000	U	6800	U
4-iso-Propyltoluene	7	U	9	U	29		1600	U	3900	J	2600	J
4-Methyl-2-pentanone	7	UJ	9	UJ	4	UJ	1600	U	12000	U	6800	U
Acetone	7	UJ	400	EJ	60	J	8300	J		R		R
Benzene	7	U	9	U	4	U	1600	U	12000	U	6800	U
Bromobenzene	7	U	9	U	4	U	1600	U	12000	U	6800	U
Bromochloromethane	7	U	9	U	4	U	1600	U	12000	U	6800	U
Bromodichloromethane	7	U	9	U	4	U	1600	U	12000	U	6800	U
Bromoform	7	U	9	U	4	U	1600	U	12000	U	6800	U

Table 1.1: Sediment VOC Results

Lab Sample ID	F0561-08B		F0561-09B		F0561-10B		F0561-13C		F0561-14C		F0561-15C	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-010		SD-011		SD-09		SD-05		SD-06		SD-07	
Field Sample ID	SLSD01003SCXX		SLSD01102SCXX		SLSD00904SCXX		SLSD00502SCXX		SLSD00601SCXX		SLSD00701SCXX	
Field Sample Date	5/3/2007		5/3/2007		5/3/2007		5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Bromomethane	7	UJ	9	UJ	4	UJ	1600	U	12000	U	6800	U
Carbon disulfide	7	U	3	J	4	U	1600	U	12000	U	6800	U
Carbon tetrachloride	7	U	9	U	4	U	1600	U	12000	U	6800	U
Chlorobenzene	7	U	9	U	4	U	1600	U	12000	U	6800	U
Chlorodibromomethane	7	U	9	U	4	U	1600	U	12000	U	6800	U
Chloroethane	7	UJ	9	UJ	4	UJ	1600	U	12000	U	6800	U
Chloroform	7		9	U	4	U	1600	U	12000	U	6800	U
Chloromethane	7	U	9	U	4	U	1600	U	12000	U	6800	U
Cis-1,2-Dichloroethene	7	U	9	U	4	U	1600	U	12000	U	6800	U
cis-1,3-Dichloropropene	7	U	9	U	4	U	1600	U	12000	U	6800	U
Dibromomethane	7	U	9	U	4	U	1600	U	12000	U	6800	U
Dichlorodifluoromethane	7	U	9	UJ	4	UJ	1600	U	12000	U	6800	U
Ethyl benzene	7	U	9	U	38		1600	U	6000	J	4000	J
Hexachlorobutadiene	7	U	9	UJ	4	UJ	1600	U	12000	U	6800	U
Iodomethane	7	U	9	UJ	4	UJ	1600	UJ	12000	UJ	6800	UJ
Isopropylbenzene	7	UJ	9	U	31		1600	U	12000	U	2000	J
Methyl Tertbutyl Ether	7	U	9	U	4	U	1600	UJ	12000	UJ	6800	UJ
Methylene chloride	7	U	9	U	4	U	56000	J	12000	UJ	6800	UJ
n-Butylbenzene	7	U	9	U	49		1600	U	12000	U	6800	U
Naphthalene	7	U	12	U	17000	DBJ	10000		420000		220000	
o-Xylene	7	U	9	U	12		1600	U	12000	U	1700	J
Propylbenzene	7	U	9	U	20		1600	U	12000	U	6800	U
sec-Butylbenzene	7	U	9	U	4	J	1600	U	12000	U	6800	U
Styrene	7	U	9	U	4	U	1600	U	12000	U	6800	U
tert-Butylbenzene	7	U	9	U	4	U	1600	U	12000	U	6800	U
Tetrachloroethene	7	U	9	U	4	U	1600	U	12000	U	6800	U
Toluene	7	U	9	U	1	J	1600	U	12000	U	6800	U
trans-1,2-Dichloroethene	7	U	9	U	4	U	1600	UJ	12000	UJ	6800	UJ
trans-1,3-Dichloropropene	7	U	9	U	4	U	1600	U	12000	U	6800	U
Trichloroethene	7	U	9	U	4	U	1600	U	12000	U	6800	U
Trichlorofluoromethane	7	U	9	U	4	U	1600	U	12000	U	6800	U
Vinyl acetate	7	U	9	UJ	4	UJ	1600	UJ	12000	UJ	6800	UJ
Vinyl chloride	7	U	9	U	4	U	1600	U	12000	U	6800	U

Table 1.1: Sediment VOC Results

Lab Sample ID	F0561-08B		F0561-09B		F0561-10B		F0561-13C		F0561-14C		F0561-15C	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-010		SD-011		SD-09		SD-05		SD-06		SD-07	
Field Sample ID	SLSD01003SCXX		SLSD01102SCXX		SLSD00904SCXX		SLSD00502SCXX		SLSD00601SCXX		SLSD00701SCXX	
Field Sample Date	5/3/2007		5/3/2007		5/3/2007		5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Xylene, m/p	7	UJ	9	U	14		1600	U	4800	J	3700	J
Xylenes, Total	7	UJ	9	U	27		1600	U	4800	J	5400	J

Table 1.1: Sediment VOC Results

Lab Sample ID	F0561-16B		F0561-11B		F0561-11C		F0561-19B		F0561-19C	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-08		QC		QC		QC		QC	
Field Sample ID	SLSD00802SCXX		TRIP BLANK SL5		TRIP BLANK SL5		TRIP BLANK SL7		TRIP BLANK SL7	
Field Sample Date	5/3/2007		5/2/2007		5/2/2007		5/3/2007		5/3/2007	
QC Code	FS		TB		TB		TB		TB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1,1,2-Tetrachloroethane	4	U	5	U	250	U	5	U	250	U
1,1,1-Trichloroethane	4	U	5	U	250	U	5	U	250	U
1,1,2,2-Tetrachloroethane	4	U	5	U	250	U	5	U	250	U
1,1,2-Trichloroethane	4	U	5	U	250	U	5	U	250	U
1,1-Dichloroethane	4	U	5	U	250	U	5	U	250	U
1,1-Dichloroethene	4	UJ	5	U	250	U	5	U	250	U
1,1-Dichloropropene	4	U	5	U	250	U	5	U	250	U
1,2,3-Trichlorobenzene	4	U	5	U	250	U	5	U	250	U
1,2,3-Trichloropropane	4	U	5	U	250	U	5	U	250	U
1,2,4-Trichlorobenzene	4	U	5	U	250	U	5	U	250	U
1,2,4-Trimethylbenzene	4	U	5	U	250	U	5	U	250	U
1,2-Dibromo-3-chloropropane	4	U	5	U	250	U	5	U	250	U
1,2-Dibromoethane	4	U	5	U	250	U	5	U	250	U
1,2-Dichlorobenzene	4	U	5	U	250	U	5	U	250	U
1,2-Dichloroethane	4	U	5	U	250	U	5	U	250	U
1,2-Dichloropropane	4	U	5	U	250	U	5	U	250	U
1,3,5-Trimethylbenzene	4	U	5	U	250	U	5	U	250	U
1,3-Dichlorobenzene	4	U	5	U	250	U	5	U	250	U
1,3-Dichloropropane	4	U	5	U	250	U	5	U	250	U
1,4-Dichlorobenzene	4	U	5	U	250	U	5	U	250	U
2,2-Dichloropropane	4	U	5	U	250	U	5	U	250	U
2-Butanone	4	U	5	U	250	U	5	U	250	U
2-Chlorotoluene	4	U	5	U	250	U	5	U	250	U
2-Hexanone	4	UJ	5	U	250	U	5	U	250	U
4-Chlorotoluene	4	U	5	U	250	U	5	U	250	U
4-iso-Propyltoluene	4	U	5	U	250	U	5	U	250	U
4-Methyl-2-pentanone	4	U	5	U	250	U	5	U	250	U
Acetone	34	J	5	U	250	U	5	U	250	U
Benzene	4	U	5	U	250	U	5	U	250	U
Bromobenzene	4	U	5	U	250	U	5	U	250	U
Bromochloromethane	4	UJ	5	U	250	U	5	U	250	U
Bromodichloromethane	4	U	5	U	250	U	5	U	250	U
Bromoform	4	U	5	U	250	U	5	U	250	U

Table 1.1: Sediment VOC Results

Lab Sample ID	F0561-16B		F0561-11B		F0561-11C		F0561-19B		F0561-19C	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-08		QC		QC		QC		QC	
Field Sample ID	SLSD00802SCXX		TRIP BLANK SL5		TRIP BLANK SL5		TRIP BLANK SL7		TRIP BLANK SL7	
Field Sample Date	5/3/2007		5/2/2007		5/2/2007		5/3/2007		5/3/2007	
QC Code	FS		TB		TB		TB		TB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Bromomethane	4	UJ	5	U	250	U	5	U	250	U
Carbon disulfide	4	U	5	U	250	U	5	U	250	U
Carbon tetrachloride	4	U	5	U	250	U	5	U	250	U
Chlorobenzene	4	U	5	U	250	U	5	U	250	U
Chlorodibromomethane	4	U	5	U	250	U	5	U	250	U
Chloroethane	4	UJ	5	U	250	U	5	U	250	U
Chloroform	4	U	5	U	250	U	5	U	250	U
Chloromethane	4	U	5	U	250	U	5	U	250	U
Cis-1,2-Dichloroethene	4	U	5	U	250	U	5	U	250	U
cis-1,3-Dichloropropene	4	U	5	U	250	U	5	U	250	U
Dibromomethane	4	U	5	U	250	U	5	U	250	U
Dichlorodifluoromethane	4	UJ	5	U	250	U	5	U	250	U
Ethyl benzene	4	U	5	U	250	U	5	U	250	U
Hexachlorobutadiene	4	UJ	5	U	250	U	5	U	250	U
Iodomethane	4	UJ	5	U	250	U	5	U	250	U
Isopropylbenzene	4	U	5	U	250	U	5	U	250	U
Methyl Tertbutyl Ether	4	U	5	U	250	U	5	U	250	U
Methylene chloride	4	U	2	J	250	U	2	J	250	U
n-Butylbenzene	4	U	5	U	250	U	5	U	250	U
Naphthalene	4	U	2	JB	200	DJ	2	JB	190	DJB
o-Xylene	4	U	5	U	250	U	5	U	250	U
Propylbenzene	4	U	5	U	250	U	5	U	250	U
sec-Butylbenzene	4	U	5	U	250	U	5	U	250	U
Styrene	4	U	5	U	250	U	5	U	250	U
tert-Butylbenzene	4	U	5	U	250	U	5	U	250	U
Tetrachloroethene	4	U	5	U	250	U	5	U	250	U
Toluene	4	U	5	U	250	U	5	U	250	U
trans-1,2-Dichloroethene	4	U	5	U	250	U	5	U	250	U
trans-1,3-Dichloropropene	4	U	5	U	250	U	5	U	250	U
Trichloroethene	4	U	5	U	250	U	5	U	250	U
Trichlorofluoromethane	4	UJ	5	U	250	U	5	U	250	U
Vinyl acetate	4	U	5	U	250	U	5	U	250	U
Vinyl chloride	4	UJ	5	U	250	U	5	U	250	U

Table 1.1: Sediment VOC Results

Lab Sample ID	F0561-16B		F0561-11B		F0561-11C		F0561-19B		F0561-19C	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-08		QC		QC		QC		QC	
Field Sample ID	SLSD00802SCXX		TRIP BLANK SL5		TRIP BLANK SL5		TRIP BLANK SL7		TRIP BLANK SL7	
Field Sample Date	5/3/2007		5/2/2007		5/2/2007		5/3/2007		5/3/2007	
QC Code	FS		TB		TB		TB		TB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Xylene, m/p	4	U	5	U	250	U	5	U	250	U
Xylenes, Total	4	U	5	U	250	U	5	U	250	U

Table 1.1: Sediment VOC Results

	Lab Sample ID	F0561-16B		F0561-11B		F0561-11C		F0561-19B		F0561-19C	
	Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561	
	Loc Name	SD-08		QC		QC		QC		QC	
	Field Sample ID	SLSD00802SCXX		TRIP BLANK SL5		TRIP BLANK SL5		TRIP BLANK SL7		TRIP BLANK SL7	
	Field Sample Date	5/3/2007		5/2/2007		5/2/2007		5/3/2007		5/3/2007	
	QC Code	FS		TB		TB		TB		TB	
Parameter		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier

Notes:
Results in microgram per kilogram (µg/kg)
Samples analyzed for VOCs by Method SW846 8260B
QC Code:
FS = Field Sample
FD = Field Duplicate
TB = Trip Blank
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
B = Analyte was detected in the method blank
R = Analyte was rejected during validation
D = Analyte was reported from a dilutied analytical run
E = Analyte exceeded the calibration curve of the instrument

Table 1.2: Sediment SVOC Results

Lab Sample ID	F0561-01A		F0561-02A		F0561-03A		F0561-05A		F0561-06A	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-01		SD-02		SD-02		SD-03		SD-04	
Field Sample ID	SLSD00103SCXX		SLSD00201SCXX		SLSD00201SCXD		SLSD00302SCXX		SLSD00402SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FD		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,2,4-Trichlorobenzene	470	U	500	U	450	U	540	U	1100	U
1,2-Dichlorobenzene	470	U	500	U	450	U	540	U	1100	U
1,3-Dichlorobenzene	470	U	500	U	450	U	540	U	1100	U
1,4-Dichlorobenzene	470	U	500	U	450	U	540	U	1100	U
2,4,5-Trichlorophenol	950	U	1000	U	910	U	1100	U	2200	U
2,4,6-Trichlorophenol	470	U	500	U	450	U	540	U	1100	U
2,4-Dichlorophenol	470	U	500	U	450	U	540	U	1100	U
2,4-Dimethylphenol	470	UJ	500	UJ	450	UJ	540	UJ	1100	UJ
2,4-Dinitrophenol	950	UJ	1000	UJ	910	UJ	1100	UJ	2200	UJ
2,4-Dinitrotoluene	470	U	500	U	450	U	540	U	1100	U
2,6-Dinitrotoluene	470	U	500	U	450	U	540	U	1100	U
2-Chloronaphthalene	470	U	500	U	450	U	540	U	1100	U
2-Chlorophenol	470	U	500	U	450	U	540	U	1100	U
2-Methylnaphthalene	470	U	500	U	450	U	540	U	1100	U
2-Methylphenol	470	U	500	U	450	U	540	U	1100	U
2-Nitroaniline	950	UJ	1000	UJ	910	UJ	1100	UJ	2200	U
2-Nitrophenol	470	U	500	U	450	U	540	U	1100	U
3,3`-Dichlorobenzidine	470	U	500	U	450	U	540	U	1100	U
3-Nitroaniline	950	U	1000	U	910	U	1100	U	2200	U
4,6-Dinitro-2-methylphenol	950	UJ	1000	UJ	910	UJ	1100	UJ	2200	UJ
4-Bromophenyl phenyl ether	470	U	500	U	450	U	540	U	1100	U
4-Chloro-3-methylphenol	470	U	500	U	450	U	540	U	1100	U
4-Chloroaniline	470	U	500	U	450	U	540	U	1100	U
4-Chlorophenyl phenyl ether	470	U	500	U	450	U	540	U	1100	U
4-Methylphenol	470	U	500	U	450	U	540	U	1100	U
4-Nitroaniline	950	U	1000	U	910	U	1100	U	2200	U
4-Nitrophenol	950	UJ	1000	UJ	910	UJ	1100	UJ	2200	UJ
Acenaphthene	470	U	500	U	450	U	540	U	1100	U
Acenaphthylene	470	U	500	U	450	U	540	U	3500	
Anthracene	470	U	500	U	450	U	540	U	1200	
Benzo(a)anthracene	470	U	500	U	450	U	540	U	4900	
Benzo(a)pyrene	470	U	130	J	93	J	240	J	6800	
Benzo(b)fluoranthene	470	U	210	J	140	J	430	J	8300	

Table 1.2: Sediment SVOC Results

Lab Sample ID	F0561-01A		F0561-02A		F0561-03A		F0561-05A		F0561-06A	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-01		SD-02		SD-02		SD-03		SD-04	
Field Sample ID	SLSD00103SCXX		SLSD00201SCXX		SLSD00201SCXD		SLSD00302SCXX		SLSD00402SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FD		FS		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Benzo(ghi)perylene	470	U	92	J	69	J	350	J	6100	J
Benzo(k)fluoranthene	470	U	89	J	48	J	220	J	3100	
Bis(2-Chloroethoxy)methane	470	U	500	U	450	U	540	U	1100	U
Bis(2-Chloroethyl)ether	470	U	500	U	450	U	540	U	1100	U
Bis(2-Chloroisopropyl)ether	470	U	500	U	450	U	540	U	1100	U
Bis(2-Ethylhexyl)phthalate	470	U	500	U	450	U	540	U	1100	U
Butylbenzylphthalate	470	UJ	500	UJ	450	UJ	540	UJ	1100	U
Carbazole	470	U	500	U	450	U	540	U	1100	U
Chrysene	470	U	500	U	450	U	540	U	3800	
Di-n-butylphthalate	470	U	500	U	450	U	540	U	1100	U
Di-n-octylphthalate	470	U	500	U	450	U	540	U	1100	U
Dibenz(a,h)anthracene	470	U	500	U	450	U	64	J	1400	J
Dibenzofuran	470	U	500	U	450	U	540	U	1100	U
Diethylphthalate	470	U	500	U	450	U	540	U	1100	U
Dimethylphthalate	470	U	500	U	450	U	540	U	1100	U
Fluoranthene	470	U	500	U	450	U	540	U	5100	
Fluorene	470	U	500	U	450	U	540	U	270	J
Hexachlorobenzene	470	U	500	U	450	U	540	U	1100	U
Hexachlorobutadiene	470	U	500	U	450	U	540	U	1100	U
Hexachlorocyclopentadiene	470	U	500	UJ	450	UJ	540	U	1100	U
Hexachloroethane	470	U	500	U	450	U	540	U	1100	U
Indeno(1,2,3-cd)pyrene	470	U	78	J	59	J	270	J	4300	J
Isophorone	470	U	500	U	450	U	540	U	1100	U
N-Nitrosodi-n-propylamine	470	UJ	500	UJ	450	UJ	540	UJ	1100	UJ
N-Nitrosodiphenylamine	470	U	500	U	450	U	540	U	1100	U
Naphthalene	470	U	500	U	450	U	540	U	1100	U
Nitrobenzene	470	U	500	U	450	U	540	U	1100	U
Pentachlorophenol	950	U	1000	U	910	U	1100	U	2200	U
Phenanthrene	470	U	500	U	450	U	540	U	1100	U
Phenol	470	U	500	U	450	U	540	U	1100	U
Pyrene	470	U	500	U	450	U	540	U	14000	

Table 1.2: Sediment SVOC Results

Lab Sample ID	F0561-07A		F0561-08A		F0561-09A		F0561-10A		F0561-13A	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-012		SD-010		SD-011		SD-09		SD-05	
Field Sample ID	SLSD01203SCXX		SLSD01003SCXX		SLSD01102SCXX		SLSD00904SCXX		SLSD00502SCXX	
Field Sample Date	5/3/2007		5/3/2007		5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,2,4-Trichlorobenzene	5900	U	590	U	840	U	4600	U	2000	U
1,2-Dichlorobenzene	5900	U	590	U	840	U	4600	U	2000	U
1,3-Dichlorobenzene	5900	U	590	U	840	U	4600	U	2000	U
1,4-Dichlorobenzene	5900	U	590	U	840	U	4600	U	2000	U
2,4,5-Trichlorophenol	12000	U	1200	U	1700	U	9300	U	4100	U
2,4,6-Trichlorophenol	5900	U	590	U	840	U	4600	U	2000	U
2,4-Dichlorophenol	5900	U	590	U	840	U	4600	U	2000	U
2,4-Dimethylphenol	5900	UJ	590	UJ	840	UJ	4600	UJ	2000	UJ
2,4-Dinitrophenol	12000	UJ	1200	UJ	1700	UJ	9300	UJ	4100	UJ
2,4-Dinitrotoluene	5900	U	590	U	840	U	4600	U	2000	UJ
2,6-Dinitrotoluene	5900	U	590	U	840	U	4600	U	2000	U
2-Chloronaphthalene	5900	U	590	U	840	U	4600	U	2000	U
2-Chlorophenol	5900	U	590	U	840	U	4600	U	2000	U
2-Methylnaphthalene	37000		590	U	840	U	64000		8200	
2-Methylphenol	5900	U	590	U	840	U	4600	U	2000	U
2-Nitroaniline	12000	U	1200	UJ	1700	UJ	9300	U	4100	U
2-Nitrophenol	5900	U	590	U	840	U	4600	UJ	2000	UJ
3,3`-Dichlorobenzidine	5900	U	590	U	840	U	4600	U	2000	U
3-Nitroaniline	12000	U	1200	U	1700	U	9300	U	4100	U
4,6-Dinitro-2-methylphenol	12000	UJ	1200	UJ	1700	UJ	9300	UJ	4100	UJ
4-Bromophenyl phenyl ether	5900	U	590	U	840	U	4600	U	2000	U
4-Chloro-3-methylphenol	5900	U	590	U	840	U	4600	U	2000	U
4-Chloroaniline	5900	U	590	U	840	U	4600	U	2000	U
4-Chlorophenyl phenyl ether	5900	U	590	U	840	U	4600	U	2000	U
4-Methylphenol	5900	U	590	U	840	U	4600	U	2000	U
4-Nitroaniline	12000	U	1200	U	1700	U	9300	U	4100	U
4-Nitrophenol	12000	UJ	1200	UJ	1700	UJ	9300	U	4100	U
Acenaphthene	26000		590	U	840	U	31000		7400	
Acenaphthylene	4500	J	320	J	840	U	2500	J	2000	U
Anthracene	25000		590	U	840	U	17000		6600	
Benzo(a)anthracene	23000		720		840	U	8600		3200	
Benzo(a)pyrene	20000		1200		160	J	6800		2700	
Benzo(b)fluoranthene	16000		920		160	J	5300		2000	J

Table 1.2: Sediment SVOC Results

Lab Sample ID	F0561-07A		F0561-08A		F0561-09A		F0561-10A		F0561-13A	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-012		SD-010		SD-011		SD-09		SD-05	
Field Sample ID	SLSD01203SCXX		SLSD01003SCXX		SLSD01102SCXX		SLSD00904SCXX		SLSD00502SCXX	
Field Sample Date	5/3/2007		5/3/2007		5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Benzo(ghi)perylene	10000	J	970		120	J	3100	J	1300	J
Benzo(k)fluoranthene	5800	J	420	J	840	U	2000	J	650	J
Bis(2-Chloroethoxy)methane	5900	U	590	U	840	U	4600	U	2000	U
Bis(2-Chloroethyl)ether	5900	U	590	U	840	U	4600	U	2000	U
Bis(2-Chloroisopropyl)ether	5900	U	590	U	840	U	4600	U	2000	U
Bis(2-Ethylhexyl)phthalate	5900	U	590	U	840	U	4600	U	2000	U
Butylbenzylphthalate	5900	U	590	UJ	840	UJ	4600	U	2000	UJ
Carbazole	5900	U	590	U	840	U	4600	U	2000	U
Chrysene	18000		780		840	U	7200		2400	
Di-n-butylphthalate	5900	U	590	U	840	U	4600	U	2000	U
Di-n-octylphthalate	5900	U	590	U	840	U	4600	U	2000	U
Dibenz(a,h)anthracene	2200	J	160	J	840	U	650	J	240	J
Dibenzofuran	2700	J	590	U	840	U	3700	J	800	J
Diethylphthalate	5900	U	590	U	840	U	4600	U	2000	U
Dimethylphthalate	5900	U	590	U	840	U	4600	U	2000	U
Fluoranthene	47000		880		840	U	20000		8700	
Fluorene	17000		85	J	840	U	16000		4100	
Hexachlorobenzene	5900	U	590	U	840	U	4600	U	2000	U
Hexachlorobutadiene	5900	U	590	U	840	U	4600	U	2000	U
Hexachlorocyclopentadiene	5900	U	590	U	840	U	4600	U	2000	U
Hexachloroethane	5900	U	590	U	840	U	4600	U	2000	U
Indeno(1,2,3-cd)pyrene	7400	J	650		88	J	2200	J	900	J
Isophorone	5900	U	590	U	840	U	4600	U	2000	U
N-Nitrosodi-n-propylamine	5900	UJ	590	UJ	840	UJ	4600	UJ	2000	U
N-Nitrosodiphenylamine	5900	U	590	U	840	U	4600	U	2000	U
Naphthalene	6300		590	U	840	U	31000		1600	J
Nitrobenzene	5900	U	590	U	840	U	4600	U	2000	U
Pentachlorophenol	12000	U	1200	U	1700	U	9300	U	4100	U
Phenanthrene	68000		590	U	840	U	53000		24000	
Phenol	5900	U	590	U	840	U	4600	U	2000	U
Pyrene	64000		1500		840	U	35000		13000	

Table 1.2: Sediment SVOC Results

Lab Sample ID	F0561-14A		F0561-15A		F0561-16A	
Lab Sample Delivery Group	F0561		F0561		F0561	
Loc Name	SD-06		SD-07		SD-08	
Field Sample ID	SLSD00601SCXX		SLSD00701SCXX		SLSD00802SCXX	
Field Sample Date	5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,2,4-Trichlorobenzene	2200	U	8400	U	1700	U
1,2-Dichlorobenzene	2200	U	8400	U	1700	U
1,3-Dichlorobenzene	2200	U	8400	U	1700	U
1,4-Dichlorobenzene	2200	U	8400	U	1700	U
2,4,5-Trichlorophenol	4500	U	17000	U	3400	U
2,4,6-Trichlorophenol	2200	U	8400	U	1700	U
2,4-Dichlorophenol	2200	U	8400	U	1700	U
2,4-Dimethylphenol	2200	UJ	8400	UJ	1700	UJ
2,4-Dinitrophenol	4500	UJ	17000	UJ	3400	UJ
2,4-Dinitrotoluene	2200	U	8400	UJ	1700	UJ
2,6-Dinitrotoluene	2200	U	8400	U	1700	U
2-Chloronaphthalene	2200	U	8400	U	1700	U
2-Chlorophenol	2200	U	8400	U	1700	U
2-Methylnaphthalene	710000	D	93000		270	J
2-Methylphenol	2200	U	8400	U	1700	U
2-Nitroaniline	4500	U	17000	U	3400	U
2-Nitrophenol	2200	U	8400	U	1700	U
3,3`-Dichlorobenzidine	2200	U	8400	U	1700	U
3-Nitroaniline	4500	U	17000	U	3400	U
4,6-Dinitro-2-methylphenol	4500	U	17000	UJ	3400	UJ
4-Bromophenyl phenyl ether	2200	U	8400	U	1700	U
4-Chloro-3-methylphenol	2200	U	8400	U	1700	U
4-Chloroaniline	2200	U	8400	U	1700	U
4-Chlorophenyl phenyl ether	2200	U	8400	U	1700	U
4-Methylphenol	2200	U	8400	U	1700	U
4-Nitroaniline	4500	U	17000	U	3400	U
4-Nitrophenol	4500	UJ	17000	U	3400	U
Acenaphthene	340000	D	43000		960	J
Acenaphthylene	28000		6100	J	2500	
Anthracene	230000	D	27000		4300	
Benzo(a)anthracene	170000	D	19000		9000	
Benzo(a)pyrene	140000	D	17000		10000	
Benzo(b)fluoranthene	100000	D	12000		8100	

Table 1.2: Sediment SVOC Results

Lab Sample ID	F0561-14A		F0561-15A		F0561-16A	
Lab Sample Delivery Group	F0561		F0561		F0561	
Loc Name	SD-06		SD-07		SD-08	
Field Sample ID	SLSD00601SCXX		SLSD00701SCXX		SLSD00802SCXX	
Field Sample Date	5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Benzo(ghi)perylene	77000	DJ	8800		6000	
Benzo(k)fluoranthene	26000		5900	J	3300	
Bis(2-Chloroethoxy)methane	2200	U	8400	U	1700	U
Bis(2-Chloroethyl)ether	2200	U	8400	U	1700	U
Bis(2-Chloroisopropyl)ether	2200	U	8400	U	1700	U
Bis(2-Ethylhexyl)phthalate	2200	U	8400	U	1700	U
Butylbenzylphthalate	2200	U	8400	UJ	1700	UJ
Carbazole	2200	U	8400	U	620	J
Chrysene	130000	D	18000		8500	
Di-n-butylphthalate	2200	U	8400	U	1700	U
Di-n-octylphthalate	2200	U	8400	U	1700	U
Dibenz(a,h)anthracene	16000	J	1600	J	1000	J
Dibenzofuran	17000		4200	J	540	J
Diethylphthalate	2200	U	8400	U	1700	U
Dimethylphthalate	2200	U	8400	U	1700	U
Fluoranthene	450000	D	41000		18000	
Fluorene	190000	D	26000		2300	
Hexachlorobenzene	2200	U	8400	U	1700	U
Hexachlorobutadiene	2200	U	8400	U	1700	U
Hexachlorocyclopentadiene	2200	U	8400	UJ	1700	UJ
Hexachloroethane	2200	U	8400	U	1700	U
Indeno(1,2,3-cd)pyrene	52000	DJ	5800	J	4200	
Isophorone	2200	U	8400	U	1700	U
N-Nitrosodi-n-propylamine	2200	UJ	8400	U	1700	U
N-Nitrosodiphenylamine	2200	U	8400	U	1700	U
Naphthalene	550000	D	39000		1700	U
Nitrobenzene	2200	U	8400	U	1700	U
Pentachlorophenol	4500	U	17000	U	3400	U
Phenanthrene	800000	D	100000		17000	
Phenol	2200	U	8400	U	1700	U
Pyrene	590000	D	69000		21000	

Table 1.2: Sediment SVOC Results

	Lab Sample ID	F0561-14A		F0561-15A		F0561-16A	
	Lab Sample Delivery Group	F0561		F0561		F0561	
	Loc Name	SD-06		SD-07		SD-08	
	Field Sample ID	SLSD00601SCXX		SLSD00701SCXX		SLSD00802SCXX	
	Field Sample Date	5/3/2007		5/3/2007		5/3/2007	
	QC Code	FS		FS		FS	
Parameter		Result	Qualifier	Result	Qualifier	Result	Qualifier

Notes:
Results in microgram per kilogram (µg/kg)
Samples analyzed for SVOCs by Method SW846 8270C
QC Code:
FS = Field Sample
FD = Field Duplicate
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
D = Analyte was reported from a diluted analytical run

Table 1.3: Sediment Pesticide & PCB Results

Lab Sample ID	F0561-06A		F0561-10A		F0561-13A	
Lab Sample Delivery Group	F0561		F0561		F0561	
Loc Name	SD-04		SD-09		SD-05	
Field Sample ID	SLSD00402SCXX		SLSD00904SCXX		SLSD00502SCXX	
Field Sample Date	5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Pesticides						
4,4`-DDD	26	PJ	18	U	12	J
4,4`-DDE	5.4	U	18	U	14	PNJ
4,4`-DDT	56	J	18	U	5.1	U
Aldrin	2.8	U	9.4	U	2.6	U
Alpha-BHC	2.8	U	9.4	U	2.6	U
Alpha-Chlordane	2.8	U	11	PJ	8	PNJ
Beta-BHC	2.8	UJ	9.4	U	2.8	PNJ
Delta-BHC	2.8	UJ	9.4	U	2.6	UJ
Dieldrin	5.4	U	18	U	11	PNJ
Endosulfan I	2.8	U	9.4	U	8.2	
Endosulfan II	16	PNJ	18	U	5.1	U
Endosulfan sulfate	19	PNJ	18	UJ	5.1	U
Endrin	30	PNJ	18	U	5.1	U
Endrin aldehyde	5.4	U	18	U	5.1	U
Endrin ketone	5.4	U	18	UJ	5.1	U
Gamma-BHC/Lindane	2.8	UJ	9.4	U	2.6	UJ
Gamma-Chlordane	2.8	U	19	PNJ	15	J
Heptachlor	2.8	UJ	9.4	U	2.6	UJ
Heptachlor epoxide	3.6	PNJ	21	PJ	11	PNJ
Methoxychlor	41	PNJ	94	U	26	U
Toxaphene	280	U	940	U	260	U
PCBs						
Aroclor-1016	54	U	46	U	52	U
Aroclor-1221	54	U	46	U	52	U
Aroclor-1232	54	U	46	U	52	U
Aroclor-1242	54	U	46	U	52	U
Aroclor-1248	54	U	68		52	U
Aroclor-1254	54	U	46	U	52	U
Aroclor-1260	54	U	46	U	52	U

Notes:
Results in microgram per kilogram (µg/kg)
Samples analyzed for Pesticides by Method SW846 8081A
Samples analyzed for PCBs by Method SW846 8082
QC Code:
FS = Field Sample
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
P = The percent difference between columns is greater than 25%
NJ = The percent differece between columns is greater than 70%

Table 1.4: Sediment Metals Results

Lab Sample ID	F0561-06A		F0561-10A		F0561-13A	
Lab Sample Delivery Group	F0561		F0561		F0561	
Loc Name	SD-04		SD-09		SD-05	
Field Sample ID	SLSD00402SCXX		SLSD00904SCXX		SLSD00502SCXX	
Field Sample Date	5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Aluminum	2360		3590		3250	
Antimony	0.049	U	0.075	U	0.058	U
Arsenic	0.95		0.97	B	0.65	B
Barium	13.9		28.9		14.9	
Beryllium	0.0053	U	0.0081	U	0.0064	U
Cadmium	0.11	B	0.34	B	0.13	B
Calcium	997		2240		1510	
Chromium	5.1		3.9		2.6	
Cobalt	1.4	B	3	B	1.7	B
Copper	7.7		10.6		1.9	
Iron	4150		10200		3950	
Lead	19.4		58		8.3	
Magnesium	488		2030		650	
Manganese	30.4		65.2		73	
Nickel	1.8	B	4		1.9	B
Potassium	103		250		113	
Selenium	0.058	U	0.089	U	0.07	U
Silver	0.18	U	0.29	U	0.068	U
Sodium	41.9	B	116		38.5	B
Thallium	0.069	U	0.11	U	0.082	U
Vanadium	6.3		7.6		5.3	
Zinc	17.9		98.9		21.4	
Mercury	0.024	U	0.027	U	0.018	U

Notes:
Results in milligram per kilogram (mg/kg)
Samples analyzed for metals by Method SW846 6010B/7471A
QC Code:
FS = Field Sample
Qualifiers:
U = Not detected at a concentration greater than the RL
B = Estimated Value. Reported result was between the MDL and RL

Table 1.5: Sediment Wet Chemistry Results

Lab Sample ID	F0561-01D		F0561-02D		F0561-03D		F0561-05D		F0561-06D		F0561-07D	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-01		SD-02		SD-02		SD-03		SD-04		SD-012	
Field Sample ID	SLSD00103SCXX		SLSD00201SCXX		SLSD00201SCXD		SLSD00302SCXX		SLSD00402SCXX		SLSD01203SCXX	
Field Sample Date	5/2/2007		5/2/2007		5/2/2007		5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FD		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Total Organic Carbon	24000	EJ	8600	EJ	11000	EJ	40000	EJ	20000	EJ	48000	EJ
Cyanide, Reactive												
Sulfide, Reactive												
Cyanide, Total												
Sulfur, %												

Table 1.5: Sediment Wet Chemistry Results

Lab Sample ID	F0561-08D		F0561-09D		F0561-10A		F0561-10D		F0561-13D		F0561-14D	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561		F0561		F0561	
Loc Name	SD-010		SD-011		SD-09		SD-09		SD-05		SD-06	
Field Sample ID	SLSD01003SCXX		SLSD01102SCXX		SLSD00904SCXX		SLSD00904SCXX		SLSD00502SCXX		SLSD00601SCXX	
Field Sample Date	5/3/2007		5/3/2007		5/3/2007		5/3/2007		5/3/2007		5/3/2007	
QC Code	FS		FS		FS		FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Total Organic Carbon	24000	EJ	24000	EJ			13000	EJ	11000	EJ	19000	EJ
Cyanide, Reactive							1.3	UJ				
Sulfide, Reactive							27					
Cyanide, Total					0.14	U						
Sulfur, %							0.05	<				

Table 1.5: Sediment Wet Chemisty Results

Lab Sample ID	F0561-15D		F0561-16D		F0561-18A	
Lab Sample Delivery Group	F0561		F0561		F0561	
Loc Name	SD-07		SD-08		IDW	
Field Sample ID	SLSD00701SCXX		SLSD00802SCXX		SLWSTP02SCXX	
Field Sample Date	5/3/2007		5/3/2007		5/4/2007	
QC Code	FS		FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Total Organic Carbon	35000	EJ	16000	EJ		
Cyanide, Reactive					1.3	UJ
Sulfide, Reactive					2.3	
Cyanide, Total					0.31	U
Sulfur, %					0.05	<

Notes:
Results in milligram per kilogram (mg/kg), except as noted
Samples analyzed for TOC by Method 415.1
Samples analyzed for Reactive Cyanide by Method 7.3.3.2
Samples analyzed for Reactive Sulfide by Method 7.3.4.2
Samples analyzed for Total Cyanide by Method 9012B
QC Code:
FS = Field Sample
FD = Field Duplicate
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated Value
E =Analyte exceeded the calibration range of the instrument
< = Less than

Table 1.6: TCLP VOC Results

Lab Sample ID	F0561-10E		F0561-18A	
Lab Sample Delivery Group	F0561		F0561	
Loc Name	SD-09		IDW	
Field Sample ID	SLSD00904SCXX		SLWSTP02SCXX	
Field Sample Date	5/3/2007		5/4/2007	
QC Code	FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1-Dichloroethene	5	UJ	5	U
1,2-Dichloroethane	5	UJ	5	U
2-Butanone		R		R
Benzene	5	UJ	2	J
Carbon tetrachloride	5	UJ	5	U
Chlorobenzene	5	UJ	5	U
Chloroform	5	UJ	5	U
Tetrachloroethene	5	UJ	5	U
Trichloroethene	5	UJ	5	U
Vinyl chloride	5	UJ	5	U

Notes:
Results in microgram per liter (µg/L)
Samples analyzed for VOCs by Method SW846 1311/ 8260B
QC Code:
FS = Field Sample
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value
R = Analyte was rejected during validation

Table 1.7: TCLP SVOC Results

Lab Sample ID	F0561-10E		F0561-18A	
Lab Sample Delivery Group	F0561		F0561	
Loc Name	SD-09		IDW	
Field Sample ID	SLSD00904SCXX		SLWSTP02SCXX	
Field Sample Date	5/3/2007		5/4/2007	
QC Code	FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
1,4-Dichlorobenzene	33	U	33	U
2,4,5-Trichlorophenol	67	U	67	U
2,4,6-Trichlorophenol	33	U	33	U
2,4-Dinitrotoluene	33	U	33	U
2-Methylphenol	33	U	33	U
4-Methylphenol	33	U	33	U
Hexachlorobenzene	33	U	33	U
Hexachlorobutadiene	33	U	33	U
Hexachloroethane	33	U	33	U
Nitrobenzene	33	U	33	U
Pentachlorophenol	67	U	67	U
Pyridine	33	UJ	33	UJ

Notes:
Results in microgram per liter (µg/L)
Samples analyzed for SVOCs by Method SW846 8270C
QC Code:
FS = Field Sample
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated value

Table 1.8: TCLP Pesticide & Herbicide Results

Lab Sample ID	F0561-10E		F0561-18A	
Lab Sample Delivery Group	F0561		F0561	
Loc Name	SD-09		IDW	
Field Sample ID	SLSD00904SCXX		SLWSTP02SCXX	
Field Sample Date	5/3/2007		5/4/2007	
QC Code	FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
Herbicides				
2,4,5-TP/Silvex	0.33	U	0.33	U
2,4-D	3.3	U	3.3	U
Pesticides				
Chlordane (technical)	8.3	U	8.3	U
Endrin	0.33	U	0.33	U
Gamma-BHC/Lindane	0.17	U	0.17	U
Heptachlor	0.17	U	0.17	U
Heptachlor epoxide	0.17	U	0.17	U
Methoxychlor	1.7	U	1.7	U
Toxaphene	17	U	17	U

Notes:
Results in microgram per liter (µg/L)
Samples analyzed for Pesticides by Method SW846 1311/8081A
Samples analyzed for Herbicides by Method SW846 1311/8151
QC Code:
FS = Field Sample
Qualifiers:
U = Not detected at a concentration greater than the RL

Table 1.9: TCLP Metals Results

Lab Sample ID	F0561-10E		F0561-18A	
Lab Sample Delivery Group	F0561		F0561	
Loc Name	SD-09		1DW	
Field Sample ID	SLSD00904SCXX		SLWSTP02SCXX	
Field Sample Date	5/3/2007		5/4/2007	
QC Code	FS		FS	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
Arsenic	5.8	B	1.6	U
Barium	364		154	B
Cadmium	4	B	0.33	U
Chromium	1.4	U	1.4	U
Lead	283		7.7	B
Selenium	20.8	U	21.6	U
Silver	0.91	U	0.91	U
Mercury	0.047	U	0.047	U

Notes:
Results in microgram per liter (µg/L)
Samples analyzed for metals by Method SW846/1311 6010B/7470A
QC Code:
FS = Field Sample
Qualifiers:
U = Not detected at a concentration greater than the RL
B = Estimated value. Reported result was between the MDL and RL

Table 1.10: VOC Quality Control Samples

Lab Sample ID	F0561-04A		F0561-12A		F0561-17A		F0561-20A	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561	
Loc Name	QC		QC		QC		QC	
Field Sample ID	SLGSQS01SCXX		TRIP BLANK SL6		SLSDQS01SCXX		TRIP BLANK SL8	
Field Sample Date	5/2/2007		5/2/2007		5/4/2007		5/3/2007	
QC Code	EB		TB		EB		TB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
1,1,1,2-Tetrachloroethane	5	U	5	U	5	U	5	U
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U
1,1-Dichloroethene	5	U	5	U	5	U	5	U
1,1-Dichloropropene	5	U	5	U	5	U	5	U
1,2,3-Trichlorobenzene	5	U	5	U	5	U	5	U
1,2,3-Trichloropropane	5	U	5	U	5	U	5	U
1,2,4-Trichlorobenzene	5	U	5	U	5	U	5	U
1,2,4-Trimethylbenzene	5	U	5	U	5	U	5	U
1,2-Dibromo-3-chloropropane	5	U	5	U	5	U	5	U
1,2-Dibromoethane	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U
1,3,5-Trimethylbenzene	5	U	5	U	5	U	5	U
1,3-Dichlorobenzene	5	U	5	U	5	U	5	U
1,3-Dichloropropane	5	U	5	U	5	U	5	U
1,4-Dichlorobenzene	5	U	5	U	5	U	5	U
2,2-Dichloropropane	5	U	5	U	5	U	5	U
2-Butanone	5	U	5	U	5	U	5	U
2-Chlorotoluene	5	U	5	U	5	U	5	U
2-Hexanone	5	U	5	U	5	U	5	U
4-Chlorotoluene	5	U	5	U	5	U	5	U
4-iso-Propyltoluene	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U
Acetone	5	U	5	U	5	U	5	U
Benzene	5	U	5	U	5	U	5	U
Bromobenzene	5	U	5	U	5	U	5	U
Bromochloromethane	5	U	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U
Bromomethane	5	U	5	U	5	U	5	U
Carbon disulfide	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U
Chlorodibromomethane	5	U	5	U	5	U	5	U
Chloroethane	5	U	5	U	5	U	5	U
Chloroform	5	U	5	U	5	U	5	U
Chloromethane	5	U	5	U	5	U	5	U
Cis-1,2-Dichloroethene	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Dibromomethane	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	U	5	U	5	U	5	U
Ethyl benzene	5	U	5	U	5	U	5	U
Hexachlorobutadiene	5	U	5	U	5	U	5	U
Iodomethane	5	U	5	U	5	U	5	U
Isopropylbenzene	5	U	5	U	5	U	5	U
Methyl Tertbutyl Ether	5	U	5	U	5	U	5	U

Table 1.10: VOC Quality Control Samples

Lab Sample ID	F0561-04A		F0561-12A		F0561-17A		F0561-20A	
Lab Sample Delivery Group	F0561		F0561		F0561		F0561	
Loc Name	QC		QC		QC		QC	
Field Sample ID	SLGSQS01SCXX		TRIP BLANK SL6		SLSDQS01SCXX		TRIP BLANK SL8	
Field Sample Date	5/2/2007		5/2/2007		5/4/2007		5/3/2007	
QC Code	EB		TB		EB		TB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Methylene chloride	5	U	5	U	5	U	5	U
n-Butylbenzene	5	U	5	U	5	U	5	U
Naphthalene	5	U	5	U	5	U	5	U
o-Xylene	5	U	5	U	5	U	5	U
Propylbenzene	5	U	5	U	5	U	5	U
sec-Butylbenzene	5	U	5	U	5	U	5	U
Styrene	5	U	5	U	5	U	5	U
tert-Butylbenzene	5	U	5	U	5	U	5	U
Tetrachloroethene	5	U	5	U	5	U	5	U
Toluene	5	U	5	U	5	U	5	U
trans-1,2-Dichloroethene	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U
Trichloroethene	5	U	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U	5	U
Vinyl acetate	5	U	5	U	5	U	5	U
Vinyl chloride	5	U	5	U	5	U	5	U
Xylene, m/p	5	U	5	U	5	U	5	U
Xylenes, Total	5	U	5	U	5	U	5	U

Notes:
Results in microgram per liter (µg/L)
Samples analyzed for VOCs by Method SW846 8260B
QC Code:
EB = Equipment Blank
TB = Trip Blank
Qualifiers:
U = Not detected at a concentration greater than the RL

Table 1.11: SVOC Quality Control Samples

Lab Sample ID	F0561-04B		F0561-17B	
Lab Sample Delivery Group	F0561		F0561	
Loc Name	QC		QC	
Field Sample ID	SLGSQS01SCXX		SLSDQS01SCXX	
Field Sample Date	5/2/2007		5/4/2007	
QC Code	EB		EB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
1,2,4-Trichlorobenzene	10	U	10	U
1,2-Dichlorobenzene	10	U	10	U
1,3-Dichlorobenzene	10	U	10	U
1,4-Dichlorobenzene	10	U	10	U
2,4,5-Trichlorophenol	20	U	20	U
2,4,6-Trichlorophenol	10	U	10	U
2,4-Dichlorophenol	10	U	10	U
2,4-Dimethylphenol	10	U	10	U
2,4-Dinitrophenol	20	U	20	U
2,4-Dinitrotoluene	10	U	10	U
2,6-Dinitrotoluene	10	U	10	U
2-Chloronaphthalene	10	U	10	U
2-Chlorophenol	10	U	10	U
2-Methylnaphthalene	10	U	10	U
2-Methylphenol	10	U	10	U
2-Nitroaniline	20	U	20	U
2-Nitrophenol	10	U	10	U
3,3`-Dichlorobenzidine	10	U	10	U
3-Nitroaniline	20	U	20	U
4,6-Dinitro-2-methylphenol	20	U	20	U
4-Bromophenyl phenyl ether	10	U	10	U
4-Chloro-3-methylphenol	10	U	10	U
4-Chloroaniline	10	U	10	U
4-Chlorophenyl phenyl ether	10	U	10	U
4-Methylphenol	10	U	10	U
4-Nitroaniline	20	U	20	U
4-Nitrophenol	20	U	20	U
Acenaphthene	10	U	10	U
Acenaphthylene	1	J	10	U
Anthracene	10	U	10	U
Benzo(a)anthracene	2	J	2	J
Benzo(a)pyrene	10	U	10	U
Benzo(b)fluoranthene	10	U	10	U
Benzo(ghi)perylene	10	U	10	U
Benzo(k)fluoranthene	10	U	10	U
Bis(2-Chloroethoxy)methane	10	U	10	U
Bis(2-Chloroethyl)ether	10	U	10	U
Bis(2-Chloroisopropyl)ether	10	U	10	U
Bis(2-Ethylhexyl)phthalate	10	U	10	U
Butylbenzylphthalate	10	U	10	U
Carbazole	10	U	10	U
Chrysene	2	J	2	J
Di-n-butylphthalate	10	U	10	U
Di-n-octylphthalate	10	U	10	U
Dibenz(a,h)anthracene	10	U	10	U
Dibenzofuran	10	U	10	U
Diethylphthalate	10	U	10	U
Dimethylphthalate	10	U	10	U
Fluoranthene	5	J	2	J
Fluorene	10	U	10	U

Table 1.11: SVOC Quality Control Samples

Lab Sample ID	F0561-04B		F0561-17B	
Lab Sample Delivery Group	F0561		F0561	
Loc Name	QC		QC	
Field Sample ID	SLGSQS01SCXX		SLSDQS01SCXX	
Field Sample Date	5/2/2007		5/4/2007	
QC Code	EB		EB	
Parameter	**Result**	**Qualifier**	**Result**	**Qualifier**
Hexachlorobenzene	10	U	10	U
Hexachlorobutadiene	10	U	10	U
Hexachlorocyclopentadiene	10	U	10	U
Hexachloroethane	10	U	10	U
Indeno(1,2,3-cd)pyrene	10	U	10	U
Isophorone	10	U	10	U
N-Nitrosodi-n-propylamine	10	U	10	U
N-Nitrosodiphenylamine	10	U	10	U
Naphthalene	10	U	10	U
Nitrobenzene	10	U	10	U
Pentachlorophenol	20	U	20	U
Phenanthrene	3	J	1	J
Phenol	10	U	10	U
Pyrene	9	J	5	J

Notes:
Results in microgram per liter (µg/L)
Samples analyzed for SVOCs by Method SW846 8270C
QC Code:
EB = Equipment Blank
Qualifiers:
U = Not detected at a concentration greater than the RL
J = Estimated Value