Site Investigation Report

Former Martin's Gulf Station
Fort Covington, New York

Prepared for:

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KLEINFELDER

SITE INVESTIGATION REPORT

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Environmental Restoration Program No. E-517006
Petroleum Bulk Storage (PBS) No. 5-436720

November 2007

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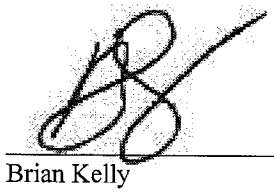

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EXECUTIVE SUMMARY

On behalf of The Town of Fort Covington, Kleinfelder has completed a Site Investigation (SI) at the Former Martin's Gulf Station (Site), located at the southeast corner of the intersection of Chateaugay Street and Salmon Street in Fort Covington, New York (Environmental Restoration Program No. E-517006).

The purpose of the SI was to characterize the subsurface geology and hydrogeology of the Site, and determine the nature and extent of any impacts to soil or groundwater from historical operations. The site investigation included the cleaning and removal of two underground storage tanks formerly used to store gasoline, collection of soil samples from on-site and off-site areas, installation and sampling of on-site and off-site monitoring wells, and the collection and analysis of sediments from the Salmon River, in the vicinity of the subject Site. Four test pits were also dug at the Site to determine the cause of refusal for several borings and resolve a subsurface anomaly in this same area. Other activities performed at the Site included an evaluation of the Site building for the presence of asbestos containing materials in support of the eventual demolition of the Site building by the Town of Fort Covington, and the collection of soil gas samples from the eastern property boundary, adjacent to a condemned and abandoned residential property.

The site investigation was performed in several stages from April 2006 through September 2007. The results of the investigation revealed the presence of volatile and semi-volatile organic compounds present in Site soils and groundwater. The impacts were delineated within the boundaries of the Site. Results of the soil gas survey indicate the potential for vapor intrusion to structures overlying or near impacted areas. Samples collected from the Salmon River upriver, adjacent to, and downriver of the subject Site indicate the presence of various compounds also present in Site soils and groundwater; however, the presence of other isolated organic and inorganic constituents suggests a separate source of contamination in the river.

An interim remedial action (IRM) is proposed for the Site to resolve the impacts to soil and groundwater. The IRM is included with this document as an Appendix to this report.

1.0 INTRODUCTION

Kleinfelder East, Inc. (Kleinfelder) was retained by the Town of Fort Covington, New York to conduct a Site Investigation (SI) at the Former Martin's Gulf Station (Site), located at the southeast corner of the intersection of Chateaugay Street and Salmon Street in Fort Covington, New York (Figures 1 and 2). The purpose of the SI was to characterize the geology and hydrogeology of the Site, and to assess potential impact to on-site and off-site soil and groundwater. The investigation also included an evaluation of sediments from the Salmon River, located to the east and south of the Site, and a soil vapor investigation to assess potential soil vapors near the eastern property margin, where the Site abuts a residential property. The SI activities were conducted in accordance with the Subsurface Investigation Work Plan (SIWP) prepared by Geologic Services Corporation (GSC), now Kleinfelder, submitted to the New York State Department of Environmental Conservation (NYSDEC) on October 5, 2004, and approved on December 3, 2004.

A Community Air Monitoring Plan (CAMP) was developed for the Site, but was not implemented during the initial (2006), on-site Site Investigation phase of site activities. CAMP monitoring for VOCs was conducted during intrusive investigation activities in 2007. An Interim Remedial Measure (IRM) is proposed for the site to address impacts to the subsurface, and the CAMP will be implemented during IRM activities.

1.1 Scope of Investigation

Field activities were conducted in several phases between April 10, 2006 and September 21, 2007. The SI consisted of the field activities discussed below.

Soil Investigation and Test Pitting

- On-site mark out and geophysical survey to identify subsurface utilities or other cultural interferences including underground storage tanks (USTs), buried drums, demolished structures, etc.

- Advancement of 23 on-site soil borings ranging in depth from 1.5 to 16 feet below ground surface (ft bgs) MW-1 through MW-6, SB-2, SB-3, SB-4, SB-5A through 5G, SB-7, SB-9, SB-10, SB-12, and SB-13. Proposed off-site borings SB-18 and SB-19 were moved to just within the property boundary due to site constraints.

- Advancement of eight off-site soil borings SB-11, SB-13A and SB-14 through SB-17, SB-20 and SB-21). Proposed off-site borings SB-18 and SB-19 were moved to just within the property boundary due to site constraints.

- Excavation of four test pits to identify a subsurface geophysical anomaly and causes of refusal at locations SB-5A-SB-5G during drilling activities.

- Qualitative screening of soil samples with a photoionization detector (PID) for potential impacts.

- Laboratory analysis of soil for various parameters including VOCs, SVOCs, pesticides, PCBs, and metals. A summary of soil samples collected and associated analytical parameters is presented below.

SOIL SAMPLING AND ANALYSIS SUMMARY

Sample ID	Date	Analytical Parameters
SB-3 SURFACE	4/11/06	STARS VOCs, STARS SVOCs, Pest/PCBs, PPL Metals
SB-2 (6-8')	4/11/06	STARS VOCs, STARS SVOCs
SB-3 (4-6')	4/11/06	STARS VOCs, STARS SVOCs
SB-4 (6-8')	4/11/06	STARS VOCs, STARS SVOCs
SB-13 (6-8')	4/11/06	STARS VOCs, STARS SVOCs, Pest/PCBs, PPL Metals
SB-12 (8-10')	4/11/06	STARS VOCs, STARS SVOCs, Pest/PCBs, PPL Metals
SB-9 SURFACE	4/12/06	STARS VOCs, STARS SVOCs, Pest/PCBs, PPL Metals
SB-10 SURFACE	4/12/06	STARS VOCs, STARS SVOCs, Pest/PCBs, PPL Metals
SB-11 SURFACE	4/12/06	STARS VOCs, STARS SVOCs, Pest/PCBs, PPL Metals
SB-5B (1-2')	4/12/06	STARS VOCs, STARS SVOCs, Pest/PCBs, PPL Metals
SB-7 (4-5')	4/12/06	STARS VOCs, STARS SVOCs, Pest/PCBs, PPL Metals
SB-9 (6-8')	4/12/06	STARS VOCs, STARS SVOCs
SB-10 (10-12')	4/12/06	STARS VOCs, STARS SVOCs, Pest/PCBs, PPL Metals
SB-11 (2-4')	4/12/06	STARS VOCs, STARS SVOCs
TP1-6'	8/15/08	VOCs 8260B, SVOCs 8270C/3550B
TP2-6'	8/15/06	VOCs 8260B, SVOCs 8270C/3550B
TP3-4'	8/15/06	VOCs 8260B, SVOCs 8270C/3550B
TP4-6'	8/15/06	VOCs 8260B, SVOCs 8270C/3550B
UST-SURFACE	8/15/06	STARS VOCs, STARS SVOCs, Pest/PCBs, PPL Metals
MW1(4')	10/10/06	STARS VOCs, STARS SVOCs
MW2(5')	10/10/06	STARS VOCs, STARS SVOCs
MW3(4')	10/10/06	STARS VOCs, STARS SVOCs
MW4(3')	10/10/06	STARS VOCs, STARS SVOCs
MW5(5')	10/10/06	STARS VOCs, STARS SVOCs
MW6(5')	10/11/06	STARS VOCs, STARS SVOCs
SUR-1(0-2")	6/18/07	TCL VOCs, TCL SVOCs, Pest/PCBs, Select Metals.
SUR-2(0-2")	6/18/07	TCL VOCs, TCL SVOCs, Pest/PCBs, Select Metals.
SUR-3(0-2")	6/18/07	TCL VOCs, TCL SVOCs, Pest/PCBs, Select Metals.
SB-13A (0-2")	6/18/07	TCL VOCs, TCL SVOCs, Pest/PCBs, TAL Metals
SB-16 (0-2")	6/18/07	TCL VOCs, TCL SVOCs, Pest/PCBs, TAL Metals
SB-14 (4')	6/19/07	TCL VOCs, TCL SVOCs, Pest/PCBs, Select Metals.
SB-15 (4')	6/19/07	TCL VOCs, TCL SVOCs, Pest/PCBs, Select Metals.
SB-16 (3')	6/19/07	TCL VOCs, TCL SVOCs, Pest/PCBs, TAL Metals

SB-13A (4')	6/20/07	TCL VOCs, TCL SVOCs, Pest/PCBs, TAL Metals
SB-17 (4')	6/20/07	TCL VOCs, TCL SVOCs, Pest/PCBs, Select Metals.
SB-20 (4')	6/20/07	TCL VOCs, TCL SVOCs, Pest/PCBs, Select Metals.
SB-18 (4')	6/29/07	TCL VOCs, TCL SVOCs, Pest/PCBs, Select Metals.
SB-19 (4')	6/29/07	TCL VOCs, TCL SVOCs, Pest/PCBs, Select Metals.
SB-21 (4')	6/29/07	TCL VOCs, TCL SVOCs, Pest/PCBs, Select Metals.

Underground Storage Tank Removal

- Cleaning, excavation, and removal of one 2,000-gallon steel UST and one 1,000-gallon steel UST.
- Qualitative screening of soil samples with a PID for potential petroleum impacts.
- Collection of post-excavation soil samples (SW-N-6' and TT-1000G-FP) and analysis of soil for VOCs and SVOCs.

Groundwater Investigation

- Installation and development of six on-site monitoring wells to depths ranging from 16 to 25 ft bgs (MW-1 to MW-6).
- Completion of soil borings SB-13A, SB-16 and SB-20 as off-site monitoring wells MW-7, MW-8 and MW-9, respectively.
- Qualitative screening of soil samples with a PID for potential petroleum impacts.
- Laboratory analysis of soil samples collected from on-site monitoring well locations for VOCs and SVOCs
- Gauging of depth to water in on-site and off-site monitoring wells
- Laboratory analysis of groundwater samples for VOCs, SVOCs, pesticides, PCBs, and target analyte list (TAL) or PP metals. A summary of groundwater analytical parameters is presented below.
- Hydraulic (Slug) testing at select on-site monitoring well locations.

GROUNDWATER SAMPLING AND ANALYSIS SUMMARY

Sample ID	Date	Analytical Parameters
MW-1	10/26/06	STARS VOCs, STARS SVOCs, PPL Metals.
MW-2	10/26/06	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-3	10/26/06	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-4	10/26/06	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-5	10/26/06	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-6	10/26/06	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-1	1/22/07	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-2	1/22/07	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-3	1/22/07	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-4	1/22/07	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-5	1/22/07	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-6	1/22/07	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-7	6/19/2007	TCL VOCs, TCL SVOCs, TAL Metals, Pest/PCBs
MW-8	6/19/2007	TCL VOCs, TCL SVOCs, TAL Metals, Pest/PCBs
MW-9	6/19/2007	TCL VOCs, TCL SVOCs, TAL Metals, Pest/PCBs
SB-14-GW	6/19/07	TCL VOCs, TCL SVOCs, TAL Metals, Pest/PCBs

Salmon River Sediment Investigation

- Collection of sediment samples from the banks of the Salmon River located upstream and downstream of the Site.
- Laboratory analysis of sediment samples for VOCs, SVOCs, pesticides, PCBs, and metals.

Soil Vapor Sampling

- Installation of soil vapor sampling points along the eastern margin of the Site
- Collection of soil gas samples for analysis of VOCs via EPA method TO-15.

1.2 Report Format

Section 1.0 of this report presents an introduction to the SIR. Section 2.0 provides a description of the Site and background pertaining to the Site and surrounding areas. Section 3.0 describes the UST removal and SI activities. Section 4.0 presents a discussion of the findings and analytical results. Section 5.0 presents the summary and conclusions of the SI. Section 6.0 presents limitations on the use of the SIR, and Section 7.0 presents references used in the preparation of this SIR.

2.0 BACKGROUND INFORMATION

On June 27, 2003, Mr. Michael McLean of the NYSDEC and representatives from the Town of Fort Covington performed an environmental inspection at the subject Site, which was a former Gulf gasoline sales and service station. Several areas of concern were noted at the Site, including the presence of underground storage tanks, two (2) 55-gallon drums with unknown contents, and hydraulic lifts and floor drains in the garage. Based on the inspection, the NYSDEC indicated that the Site was a candidate for the Environmental Restoration Program (ERP). In December 2003, the Town submitted an application for the ERP, and the application was approved by the NYSDEC in early 2004.

Kleinfelder (formerly GSC) was retained to investigate the areas of concern identified at the Site and determine the potential for impacts to on-site and off-site soils and groundwater. Accordingly, in September 2004 Kleinfelder (formerly GSC) submitted a Site Investigation Work Plan (SIWP) for on-site and off-site investigation activities. The SIWP was approved by the NYSDEC in December 2004.

The NYSDEC contracted Op-Tech of Massena, New York to sample the contents of the 55-gallon drums and arrange for their transportation and disposal. The drums were characterized as hazardous waste due to concentrations of acetone detected during waste characterization, and were subsequently transported from the Site on November 19, 2004 as hazardous waste. The laboratory report for waste characterization and the hazardous waste manifest are included in Appendix A.

On September 20, 1995 the NYSDEC issued Case No. 95-07646 to the Site (Martin's Gulf Service Station) as a result of failure to re-register two (2) gasoline Underground Storage Tanks (USTs). No further information regarding the assignation of this spill number to the site was available to Kleinfelder.

2.1 Site Description

The Site is a former Gulf gasoline station and automobile repair facility situated on an approximately 1/8-acre parcel of land located on the southeastern quadrant of the intersection of Chateaugay Street and Salmon Street in Fort Covington, New York (Figure 1). The Site is currently vacant, with structural remnants of the former gas and service station present in the immediate subsurface. The Site is vegetated in some areas, with the remainder of the Site covered with broken asphalt and exposed sub-base stone. While in operation, gasoline was stored in one 1,000-gallon and one 2,000-gallon steel USTs. According to the NYSDEC Petroleum Bulk Storage Program Facility Information Report, these tanks were installed in October 1986.

The Site is located approximately 171 feet above mean sea level. The topography in the vicinity of the Site is generally flat-lying, but grades gently down to the east-southeast towards the Salmon River. The bank of the Salmon River is located less than 100 feet from the southeastern boundary of the Site. A portion of the United States Geologic Survey (USGS) 7.5-minute series topographic map for the Fort Covington, New York-Quebec quadrangle is presented as Figure 1. The locations of pertinent Site features are indicated on Figure 2.

The intended future use of the Site by the Town of Fort Covington is as a municipal park.

2.2 Geologic and Hydrogeologic Setting

The Adirondack Sheet of the Surficial Geologic Map of New York (1991) categorizes surficial geology at the Site as lacustrine (lake) silt and clay deposits. No previous descriptions of geologic materials at the Site were available for review. Bedrock geology underlying surficial geology in region of Fort Covington is dolostone of the Beekmanton Group (Landforms and Bedrock of New York State, New York State Museum, 1973). No previous descriptions of the bedrock geology beneath the Site were available for the review.

Multiple soil borings and monitoring wells have been installed as part of the SI, and have allowed a comprehensive assessment of the unconsolidated subsurface materials. Geologic profile transects were prepared to illustrate the unconsolidated subsurface materials at the Site. Transects A-A' and B-B' are depicted on the Site Map presented as Figure 2, while the geologic profiles are presented on Figure 3. As presented on Figure 3, the unconsolidated subsurface materials consist of approximately 2 to 5 feet of sand at the surface, overlying approximately 5 to 10+ feet of silt and clay. The silt and clay overlies a sand and gravel unit, the depth of which is not known. The depth to bedrock in the area is not known as it was not encountered during SI activities. According to documents reviewed pertaining to the vicinity, the depth to bedrock is generally expected to be 30 to 50 ft bgs.

Historical groundwater gauging information was not available prior to this SI. Data collected during the SI indicated that groundwater generally flows toward the east (toward the Salmon River), but varies from northwest to southeast. This is discussed in more detail later in this report.

2.3 Current and Historical Use of Site and Surroundings

The Site is a former gasoline station and automobile repair facility. At the initiation of this project in 2004, the Site was developed with one-story gas station/garage building. On September 29, 2005 KAS, Inc. of Williston, VT, under contract to Op-Tech, conducted an asbestos inspection of the former Martin's

Garage building and determined that no Asbestos Containing Materials (ACM) were present in the building. KAS's Asbestos Inspection Report in included as Appendix B. The building was demolished by the Town of Fort Covington in October 2005. Demolition debris was transported by the Town to Franklin County Sanitary Landfill. The Site has remained vacant and all other above-ground structures have been removed.

During SI activities, Kleinfelder attempted to locate the hydraulic lifts observed by the NYSDEC in 2003 when the garage building was still present. Attempts to locate the hydraulic lifts were not successful. Additionally, Op-Tech had been retained to complete the previously-described asbestos inspection and evacuate materials from a hoist/lift pit in November 2005, and the hydraulic lift was reportedly not observed by Op-Tech during these activities. A drum of hydraulic oil was discovered and subsequently removed from the Site by Op-Tech in January 2006. This drum may have contained the contents of a hydraulic lift prior to the lift's removal. The bill of lading for the transportation and disposal of the drum of hydraulic oil is provided in Appendix A.

Immediately north of Site is State Route 37 (Chateaugay Street), beyond which are an automobile customizing business and residential properties. To the west of the Site is Salmon Street, beyond which are a municipal park and baseball fields. To the south of the Site is a vacant parcel of land owned by the Town of Fort Covington. To the east of the Site is a vacant residential property with a condemned structure, beyond which is a town-owned memorial park. According to a tax map of the Town, this park was the previous location of the town highway garage. To the northwest, across the intersection of Salmon and Chateaugay Streets, is a vacant lot. According to Mike Mclean, NYSDEC, the Site may have underground storage tanks present. Kleinfelder proposed subsurface investigation activities at this parcel, but access to the site was denied by the property owner. Additional information regarding the status of any USTs at this parcel could not be obtained by Kleinfelder.

A 1942 aerial photograph at the Franklin County Clerk's Office in Malone, NY of the Site's vicinity shows the area as developed at that time. While much of the area surrounding the Site could be identified as agricultural land, due to the scale and resolution of the photograph, the type of development in the Site's vicinity could not be distinguished and therefore the photograph was not reproduced.

2.4 Sensitive Receptors

The following subsections provide a discussion of pertinent sensitive receptors including utilities, surface water, and potable wells/aquifers at and around the Site.

Utilities and Basements

Based upon visual observations, commercial and residential buildings with basements are present in the vicinity of the Site. Immediately adjacent and east of the Site is a vacant condemned residential dwelling.

Underground utilities that transect the Site include water and sewer lines that service the vacant residential dwelling east of the Site. Subsurface utilities are also present adjacent to the Site along Chateaugay and Salmon Streets.

Surface Water

The Salmon River, which drains into the St. Lawrence River, is located less than 100 feet east-southeast of the Site (Figure 2).

Potable Wells/Aquifer

According to the Town of Fort Covington Water and Sewer Department, there are two (2) municipal potable water supply wells within a one (1) mile radius of the Site. One (1) municipal water supply well is located approximately 620 feet north-northeast of the Site on Water Street and one (1) reserve water supply well is located approximately 1,575 feet northeast of the Site on Blanchard Street, with approximate depths of 150 and 258 ft bgs, respectively. The Town of Fort Covington Water and Sewer Department personnel did not have information concerning the screened interval and depth to water in these wells. Additionally, the Water and Sewer Department was unaware of any private potable wells within the Town of Fort Covington. The locations of the municipal water supply wells are illustrated on Figure 1.

3.0 SITE INVESTIGATION ACTIVITIES

3.1 Geophysical Survey

On April 10, 2006, subsurface investigation activities were initiated at the Site. Kleinfelder subcontracted Vermont Underground Locators, Inc. (VUL) of North Haverhill, New Hampshire to conduct an on-site utility mark-out. VUL utilized various utility locators and ferrous-metal detectors to determine the locations of on-site subsurface utilities. A radio frequency scanning device was also employed by VUL to determine the locations of any subsurface anomalies and/or USTs. The application of these methods resulted in locating a water supply line, sewer piping, two USTs, and a subsurface metal anomaly.

3.2 Soil Investigation

3.2.1 On-Site Soil Investigation

Between April 11 and April 12, 2006, Kleinfelder oversaw the installation of 16 soil borings, SB-2 through SB-4, SB-5A through SB-5G, SB-7, SB-9, and SB-10 through SB-13. The locations of these soil borings are depicted on Figure 2 and Figure 4. Subsurface investigation activities (soil boring advancement and test pit excavation) were performed by Op-Tech Environmental Services (Op-Tech) of Massena, New York, under contract and supervision of Kleinfelder. Prior to drilling, Op-Tech hand cleared subsurface material to depths of approximately eight feet at each soil boring location in order to prevent damage to any potential subsurface structures or utilities. Soil borings were advanced using a truck mounted direct-push rig. Soil borings SB-2 through SB-4, SB-7, and SB-9 through SB-13 were advanced to depths ranging from 12 to 16 ft bgs. Soil samples were collected from the maximum depth of hand-clearing (approximately eight ft bgs) to the terminal depth of each boring using a four-foot long sampler. At soil boring locations SB-5A through SB-5G, refusal was encountered at approximately three feet below grade. Test pitting in the general area of SB-5 revealed concrete debris in the shallow subsurface. Proposed soil boring (SB-8) was not advanced due to the presence of an overheard electrical line in close proximity of its proposed location.

All soil samples were screened for VOCs using a PID equipped with a 10.6 eV lamp calibrated to an isobutylene span gas to yield total VOCs in parts per million by volume (ppm_v). The PID screening values are qualitative, and are not necessarily indicative of actual VOC concentrations in soil, as determined by laboratory analysis. Information regarding qualitative soil screening results, soil classification, and details of observed evidence of impact are presented on the soil boring logs included as Appendix C.

In general, the soil sample exhibiting the highest PID response in each soil boring location was selected for laboratory analysis. Soil samples were also collected and analyzed to evaluate the vertical extent of observed impact. In the absence of PID responses above background, the sample collected nearest to the water table was submitted for off-site laboratory analysis.

Soil samples were placed in ice filled coolers, and shipped under standard chain of custody procedures via Federal Express to Accutest Laboratories (Accutest) in Dayton, New Jersey. Subsurface soil samples were analyzed as set forth in the Soil Sampling and Analysis Summary table in Section 1.1.

On August 16, 2006, Op-Tech conducted test pitting activities in four areas of the Site (see Figure 2). Test pit (TP-1) was excavated near the central portion of the Site in an effort to identify the source of a

metal anomaly discovered during the geophysical survey conducted in April 2006. It was thought that the metal anomaly might represent the former hydraulic lift location; however, no evidence of a subsurface structure or causal agent for the anomaly was observed. The three remaining test pits, TP-2, TP-3, and TP-4, were excavated at the northern property boundary in an effort to determine the causes of refusal in the general area of soil borings SB-5A through SB-5G. Several large pieces of concrete and other construction-type debris in the area were determined to be the cause for refusal in these borings. Soil samples were collected from each test pit (TP1-6', TP2-6', TP3-4' and TP4-6') and submitted to Accutest for analysis of the full 8260 method list of VOCs and Target Compound List (TCL) SVOCs in accordance with USEPA Methods 8260 and 8270, respectively.

In addition to subsurface soil samples collected from soil borings and test pits, five surface soil samples (SB-3 Surface, SB-9 Surface through SB-11 Surface, and UST Surface) were collected for laboratory analysis at the request of the New York State Department of Health (NYSDOH). Surface soil samples were biased to areas around the perimeter of the Site and the vicinity of the former service bay doors. Soil samples were submitted to Accutest for analysis of STARS list of VOCs via method 8260, STARS list SVOCs via method 8270, pesticides, PCBs, and PP metals in accordance with USEPA Methods 8081A, 8082, and 6010B, respectively.

3.2.2 Off-site Soil Investigation

Off-site subsurface investigation activities were initiated on June 18, 2007. Prior to intrusive activities, VUL conducted an off-site utility clearance at the proposed direct-push soil boring, monitoring well and soil vapor point locations. VUL utilized various utility locators and ferrous-metal detectors in order to identify potential subsurface utilities in the proposed drilling/sampling locations so that the sampling points could be suitably relocated if necessary.

Between June 19 and 22, 2007, Kleinfelder oversaw the advancement of off-site soil borings SB-13A, SB-14, SB-15, SB-16, SB-17, SB-18, SB-19, SB-20 and SB-21 (See Figure 2 for locations). Soil borings SB-18 and SB-19 were proposed as off-site locations; however, surface and subsurface obstructions necessitated the relocation of these borings to just within the eastern estimated Site property boundary. Soil borings were advanced by Op-Tech under contract and supervision of Kleinfelder. Soil borings were hand cleared to a depth of approximately eight ft bgs to prevent damage to potential subsurface structures/utilities. Soil borings were advanced using a track-mounted direct-push rig with auger-turning capabilities that allowed the rig to be used for monitoring well installations as described in Section 3.4.2.

Soil borings were advanced to depths of up to 20 ft bgs, details of each boring are depicted on the soil boring logs in Appendix C. Soil sampling was conducted during hand-clearing using hand sampling equipment (i.e., hand auger), below the hand-clearing interval (approximately eight ft bgs) to the terminal depth of each boring, soil samples were collected using a four-foot long sampler.

In general, the soil sample exhibiting the highest PID response in each soil boring location was selected for laboratory analysis. Soil samples were also collected and analyzed to evaluate the vertical extent of observed impact. In the absence of PID responses above background, the sample collected nearest to the water table was submitted for off-site laboratory analysis.

Soil samples were placed in ice-filled coolers, and shipped under standard chain of custody procedures via Federal Express to Lancaster Laboratories, Inc. (Lancaster) of Lancaster, Pennsylvania. Surface and subsurface soil samples were analyzed as set forth in the Soil Sampling and Analysis Summary table in Section 1.1. With the NYSDEC's approval, the limited list of metals was established to include those metals that had been detected during on-site investigation activities in 2006.

On June 18, 2007, surface soil samples were collected from the locations of soil borings SB-16 and SB-13A (designated as SB-16(0-2") and SB-13A (0-2"), respectively) and from the locations identified as SUR-1, SUR-2 and SUR-3 (see Figure 2). In accordance with NYSDOH procedures, surface soil samples were collected from no more than 2-inches below surface grade after surface vegetation had been removed. The samples were collected using disposable hand-sampling equipment, and were handled and shipped to Lancaster in the manner described above, and analyzed for the parameters set forth in the Soil Sampling and Analysis Summary table in Section 1.1.

Soil borings SB-13A, SB-16 and SB-20 were subsequently completed as off-site monitoring wells MW-7, MW-8 and MW-9, respectively, as described in the Section 3.4.2. Additionally, a temporary well screen was installed in the open borehole at SB-14 to facilitate grab groundwater sample collection (SB-14-GW) on October 19, 2007. The temporary well screen was removed and the boring backfilled after grab groundwater samples were collected. Additional details regarding the groundwater investigation are set forth in Section 4.3.

As mentioned in Section 1.0 the Community Air Monitoring Program (CAMP) was not initiated during intrusive investigation activities conducted in 2006. During intrusive activities conducted in 2007 however, CAMP monitoring for volatile organic compounds was implemented. The CAMP data are presented in Appendix D.

3.3 UST Removal

UST removal and test pitting activities were conducted by Op-Tech under contract and supervision of Kleinfelder. On August 15, 2006, Op-Tech removed approximately two feet of overburden to expose the top of the tanks. The tanks were filled to capacity with what appeared to be a gasoline and water mixture. Approximately 3,000 gallons of gas/water mixture was pumped from the tanks by Op-Tech directly into a tank-truck for subsequent off-site disposal. Manifests for transport and disposal of the tank contents are included in Appendix. A.

The USTs were removed from the ground and visually inspected for evidence of corrosion, pitting, holes, and cracks. No holes, pitting or other damage was observed by Kleinfelder. Evidence of impact was observed in the excavation, but excavation activities were postponed because an IRM to address impacted soils at the Site was anticipated and full delineation of impacts had not yet been completed. The USTs were then removed from the Site by Op-Tech for cleaning and disposal. Transportation and disposal documentation is included in Appendix A. Former UST locations and excavation areas are shown on Figure 2.

Two sections of steel product piping were also excavated by Op-Tech, and visually inspected for evidence of corrosion. No holes, pitting or other damage to the piping was observed by Kleinfelder. Steel product piping was left on-site for disposal by the Town of Fort Covington. Overburden soil was placed into the tank void, with additional fill material provided by the Town of Fort Covington to backfill the tank excavation to grade. Soil was not removed from the Site as part of the UST removal action.

Two soil samples were collected from the UST excavation area (TT-1,000-G-FP and SW-N-6') were placed in a storage/transportation cooler, preserved with ice, and shipped under standard chain of custody procedures via Federal Express to Accutest. The soil samples were analyzed for the full 8260 method list of VOCs and TCL SVOCs in accordance with USEPA Methods 8260 and 8270, respectively.

Because impacted soils remain that will be removed during the proposed IRM at the Site, a UST closure report has not been prepared. A UST closure report/request will be prepared at the conclusion of the interim remedial measure at the Site.

3.4 Monitoring Well Installation

3.4.1 On-site Monitoring Well Installation

On October 10, 2006, Geosearch Environmental Contractors (Geosearch) of Fitchburg, Massachusetts, under contract and supervision of Kleinfelder, began clearing the six proposed monitoring well locations

using a truck-mounted pneumatic vacuum system to dislodge and remove shallow subsurface material from grade to approximately four ft bgs. A truck-mounted hollow stem auger drill rig was used to install the monitoring wells to terminal depths ranging from 16 to 25 ft bgs. Split spoon soil samples were collected continuously from each soil boring at two-foot intervals from the maximum depth of vacuum clearing (approximately 4 ft bgs) to the terminal depth of each boring. Monitoring well locations are shown on Figure 2.

Qualitative soil screening results from the monitoring well installations are included on the monitoring well logs included in Appendix C. In general, the soil sample exhibiting the highest PID response from the unsaturated zone of each monitoring well was selected for laboratory analysis. Soil samples were also collected to evaluate the vertical extent of observed impact. In the absence of PID responses above background in the unsaturated zone, the unsaturated sample collected nearest to the water table was selected for laboratory analysis.

Soil samples were placed in storage/transportation coolers, preserved with ice, and shipped under standard chain of custody procedures via Federal Express to Accutest. Soil samples collected from soil borings MW-1 through MW-6 were analyzed for parameters set forth in the Soil Sampling and Analysis Summary table in Section 1.1.

The monitoring wells were completed to depths ranging from approximately 16 to 25 ft bgs utilizing five feet of two-inch diameter schedule 40 polyvinyl chloride (PVC) well casing, and nine to 18 feet of two-inch diameter 0.01-inch slot schedule 40 PVC well screen. The monitoring wells were backfilled with No. 01 filter-pack sand to approximately one-foot above the slotted well screen interval. A layer of bentonite time-delay pellets was backfilled to approximately two feet above the sand pack to form an impermeable seal. Each monitoring well was completed with an eight-inch diameter flush-mount manhole cover clearly embossed with the words "Monitoring Well". The flush-mount manhole covers were installed in two foot square concrete pads. The concrete pads were raised slightly above surface grade and sloped to facilitate storm water runoff away from the monitoring well. Following installation, the wells were developed by purging multiple volumes of groundwater from each well. Groundwater was passed through a 5-gallon bucked containing granular activated carbon, and discharged to the ground surface.

Monitoring well construction details are illustrated on the Monitoring Well/Soil Boring Logs provided in Appendix C.

3.4.2 Off-site Monitoring Well Installation

Between June 19 and June 22, 2007, soil borings SB-13A, SB-16 and SB-20 were completed as monitoring wells MW-7, MW-8 and MW-9, respectively. The soil borings were overdrilled using a direct-push rig with hollow-stem auger capabilities. The monitoring wells were each completed to a depth of 20 ft bgs. Wells were constructed using approximately 17 feet of two-inch diameter, 0.01-inch slot, schedule 40 PVC well screen and approximately 3 feet of 2 inch diameter PVC riser. The monitoring wells were backfilled with No. 01 filter sand to approximately one foot above the slotted well screen interval. A layer of hydrated bentonite was used to backfill the wells to approximately two feet above the sand pack to form an impermeable seal. Each monitoring well was completed with an eight-inch diameter flush-mount manhole cover, installed in two foot square concrete pads. Following installation, the wells were developed by purging multiple volumes of groundwater from each well. Groundwater was passed through a 5-gallon bucked containing granular activated carbon, and discharged to the ground surface.

Monitoring well construction details are illustrated on the Monitoring Well/Soil Boring Logs provided in Appendix C.

3.5 Groundwater Gauging and Sampling

Three rounds of groundwater sampling were conducted at the Site: October 2006, January 2007 and June 2007. Gauging was conducted using an electronic interface probe and liquid-phase hydrocarbons were not identified in the monitoring wells. The top of well casing at each monitoring well had previously been surveyed to an arbitrary datum, so that general groundwater flow direction could be evaluated. A minimum of three calculated well volumes was purged from each well (or the well was purged dry) and was allowed to recover prior to groundwater sample collection. Samples were collected into laboratory-supplied sample containers, containing preservatives appropriate for the requested analyses. Samples were labeled, logged onto a chain of custody form, placed on ice in a shipping cooler, and shipped via overnight delivery service to Accutest (October 2006 and January 2007) and Lancaster (June 2007).

October 2006

On October 26, 2006 monitoring wells MW-1 through MW-6 were gauged for depth to groundwater and sampled as previously described. Depth to groundwater ranged from 2.78 ft below the top of casing (btoc) at MW-1 to 3.26 ft btoc at MW-4. Samples were analyzed as set forth in the summary table below.

MW-1	10/26/06	Groundwater	STARS VOCs, STARS SVOCs TCL, PPL Metals.
MW-2	10/26/06	Groundwater	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-3	10/26/06	Groundwater	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-4	10/26/06	Groundwater	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-5	10/26/06	Groundwater	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-6	10/26/06	Groundwater	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.

January 2007

A subsequent groundwater gauging and sampling event was conducted on January 22, 2007. Depth to groundwater ranged from 3.37 ft btoc at MW-6 to 4.36 ft btoc at MW-4. Groundwater sampling was conducted as described previously, and samples were submitted Accutest for analysis of the previously described list of analytical parameters. Samples were analyzed as set forth in the summary table below.

MW-1	1/22/07	Groundwater	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-2	1/22/07	Groundwater	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-3	1/22/07	Groundwater	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-4	1/22/07	Groundwater	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-5	1/22/07	Groundwater	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.
MW-6	1/22/07	Groundwater	STARS VOCs, STARS SVOCs TCL Pest/PCBs, PPL Metals.

June 2007

On June 25, 2007 groundwater samples were collected from monitoring wells MW-7, MW-8 and MW-9. Groundwater gauging was completed prior to groundwater purging and sampling activities. Groundwater samples were analyzed as set forth in the summary table below.

MW-7	6/25/2007	Groundwater	TCL VOCs, TCL SVOCs, TAL Metals, Pest/PCBs
MW-8	6/25/2007	Groundwater	TCL VOCs, TCL SVOCs, TAL Metals, Pest/PCBs
MW-9	6/25/2007	Groundwater	TCL VOCs, TCL SVOCs, TAL Metals, Pest/PCBs
SB-14-GW	6/19/2007	Groundwater	TCL VOCs, TCL SVOCs, TAL Metals, Pest/PCBs

September 2007

On September 21, 2007 the on-site and off-site monitoring wells were surveyed for elevation relative to an arbitrary benchmark of 100 ft. Depth to groundwater measurements were collected from each of the on-site and off-site wells so that groundwater flow direction could be approximated. On September 21, groundwater levels ranged from 3.25 ft btoc at MW-8 to 5.44 ft btoc at MW-7. On September 21, 2007 groundwater levels ranged from 4.20 ft btoc at MW-89 to 7.17 ft btoc at MW-7. During these gauging events, an oil-water interface probe was used to determine whether free-phase hydrocarbons were present. Free-phase hydrocarbons were not observed during these gauging events.

3.6 Hydraulic (Slug) Testing

On June 19, 2007, hydraulic (slug) testing was conducted at on-site monitoring wells MW-2 and MW-6. Rising- head slug tests were performed by instantaneously removing a slug of water (two standard 1-liter bailers tied in tandem) from the well and subsequently gauging the rising water levels during recovery. AQTESOLV was used to evaluate the hydraulic test data using the Cooper-Bredenhoeft-Papadopulos (1967) solution method. The slug test data and AQTESOLV evaluation are presented as Appendix E.

For MW-6 effective hydraulic conductivity (K) was estimated to be 1.07 ft/day. For MW-2, the estimated K value was 2.69 ft/day. A review of the soil types present in the saturated zone of these wells (see well logs included in Appendix C), indicated the sand and gravel water-bearing zone near MW-6 had finer sand grains among the gravel than the sand and gravel water-bearing zone near MW-2 and likely accounts for the variability in estimated K values. Based on these estimated values, a mean K for the Site was calculated to be 1.88 ft/day.

3.7 Salmon River Sediment Sampling

On October 26, 2006, sediment samples (SS-1, SS-2, SS-3 and SS-4) were collected from the Salmon River in four locations adjacent to and downstream from the Site (Figure 5). Kleinfelder personnel used a hand auger fitted with extensions to collect sediment samples from beneath the water level of the Salmon River. Sediment samples were placed in storage/transportation coolers, preserved with ice, and shipped under standard chain of custody procedures via Federal Express to Accutest. Each sediment sample was analyzed for the NYSDEC STARS List of VOCs and SVOCs in accordance with USEPA Methods 8260 and 8270, respectively. Pesticides, PCBs, and PP metals were analyzed in accordance with USEPA Methods 8081A, 8082, and 3050B, respectively

On June 18, 2007, sediment samples were collected from four additional locations (SS-5, SS-6, SS-7 and SS-8) depicted on Figure 5. Sediment samples were collected from near the river edge with a petit ponar dredge sampler. Sediment samples were collected into laboratory-supplied sample containers that were labeled, logged and placed into coolers containing ice, and shipped under standard chain of custody procedures via Federal Express to Lancaster. Each sediment sample was analyzed for TCL VOCs, TCL SVOCs, Pesticides, PCBs, and selected metals (arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel and zinc).

3.8 Soil Vapor Sampling

On June 21, 2007, two stainless steel soil vapor points, SG-1 and SG-2 were installed near the eastern property margin (locations depicted on Figure 2). The six-inch vapor points were installed to a depth of 3.5 ft bgs. Clean silica sand was used to backfill around the vapor point to approximately 4-inches above the vapor point slots. Hydrated granular bentonite was used to backfill the remainder of the vapor point boring. Polyethylene tubing extended from the top of each vapor point above the ground surface to facilitate soil vapor sample collection.

On June 26, 2007, soil vapor samples were collected from SG-1 and SG-2. Two hour samples were collected into 6-liter certified clean SUMMA canisters. A flux chamber (5-gallon bucket) was placed over each soil vapor point location and sealed to the ground surface with hydrated granulated bentonite. Helium was introduced into the flux chamber through a port in the side of the chamber. The helium concentration inside the flux chamber was measured with a helium meter at the start of soil vapor sample collection, and again at the end of sampling, to confirm that the concentration remained relatively constant (i.e., to evidence that short-circuiting had not occurred that would significantly dilute sample concentrations). At SG-1 the change (percent difference) in helium concentration between the start and completion of sampling was approximately 2.5%, and at SG-2 the change in concentration was approximately 3.2%, suggesting that short-circuiting was minimal, and that soil gas samples were representative. Samples were submitted to Lancaster for TO-15 analysis.

4.0 FINDINGS AND ANALYTICAL RESULTS

This section presents SI findings and the analytical results for soil, groundwater, sediment, and soil vapor samples collected from on-site and off-site locations. The analytical program included sampling of the various matrixes for a variety of analytical parameters including VOCs, SVOCs, pesticides, PCBs and metals.

At the request of the NYSDEC and NYSDOH, the analytical samples collected during SI activities in 2007 (off-site investigation) were submitted for laboratory analysis using a lab qualified to provide analytical services protocol (ASP) Category B laboratory data deliverables. This deliverables package was requested to that the usability of collected analytical data could be validated, and data usability summary reports (DUSRs) for the collected data were subsequently prepared. The DUSRs prepared for four sample delivery groups and are presented in Appendix F. Each sample delivery group achieved the QA/QC objectives for the SI and was deemed acceptable and usable for decision making purposes.

4.1 Soil Quality Analytical Data

Analytical results for soil samples collected during the SIR are presented on Table 1 (VOCs), Table 2 (SVOCs), Table 3 (Pesticides/PCBs), and metals (Table 4). The tabulated analytical summaries present those compounds/analytes that were detected in at least one soil sample during the SI. Because the anticipated use of the Site is as a municipal park, the constituent concentrations in soils were compared to soil cleanup objectives (SCOs) for restricted residential land use as presented in 6NYCRR Part 375-6 promulgated December 14, 2006. Figure 4 presents analytical detections for constituents in soil samples that exceeded their respective restricted residential SCOs.

Volatile Organic Compounds

VOCs were detected in several of the soil samples collected from the Site during the SI. Concentrations of specific VOCs exceeding restricted residential SCOs were reported in subsurface soil samples SB-4(6-8'), SB-5B(1-2'), SB-7(4-5'), MW-2(5') and MW-3(4'). VOC exceedances were also encountered in test pit samples TP2-6', TP3-4', and in the UST Excavation area sample TT-1,000-G-FP. The VOCs exceeding SCOs were generally typical constituents of gasoline, such as benzene, toluene, ethyl benzene, and xylene (collectively BTEX). VOCs were not detected at concentrations exceeding restricted residential SCOs in surface soil samples nor in soil samples collected from off-site locations.

Semivolatile Organic Compounds

SVOCs were detected in several of the soil samples collected from the Site during the SI. Concentrations of specific SVOCs exceeding restricted residential SCOs were reported in subsurface soil samples collected from soil borings SB-3 (surface), SB-10 (surface), and SB-16 (0-2" surface sample and sample collected from depth of 3 ft bgs). The compounds detected at exceedance concentrations are polycyclic aromatic hydrocarbons (PAHs), and are typical of coal and petroleum fuel oils (diesel, fuel oil, kerosene, etc). It is noted, however, that off-site soil boring SB-16 was located in a depression most likely associated with the foundation of a small garage or outbuilding. Weathered asphalt shingles in the vicinity of the surface soil sample, while avoided during sampling, may be the source of SVOCs in SB-16.

With the exception of samples collected from SB-16, south of the Site, SVOCs were not detected at concentrations exceeding restricted residential SCOs in soil samples collected from off-site locations.

Pesticides and Polychlorinated Biphenyls

Pesticides were reported in several of the soil samples submitted for analysis (Table 3). Concentrations reported did not exceed restricted residential SCOs, and are therefore not considered a significant concern.

The PCB Aroclor 1260 was detected in soil samples collected from off-site soil borings SB-16, SB-18, SB-19 and SB-21 (Table 3). The concentrations did not exceed restricted residential SCOs and are therefore not considered a constituent of concern.

Metals

Several metals were detected in soil samples collected from on-site and off-site locations (Table 4). With the exception of lead and mercury detected in off-site soil sample SB-16 (3') that slightly exceeded their restricted residential SCOs, metals detected in soil did not exceed SCOs and therefore do not represent a significant concern at the Site.

Summary

The primary constituents of concern (those constituents at concentrations exceeding restricted-residential SCOs) at the Site are those most commonly associated with petroleum impacts. In addition, mercury and lead were identified in one sample (SB-16 (3')) at concentrations slightly exceeding SCOs. Samples with concentrations exceeding SCOs are depicted on Figure 4.

4.2 Sediment Sample Analytical Results

An investigation as to the quality of the Salmon River sediments was conducted in 2003 by The Town of Fort Covington. Atlantic Testing Laboratories, LTD. was retained to conduct sediment sampling in the Salmon River upstream and downstream of the Fort Covington Dam. The sediment investigation was conducted in support of the Town's investigation into the feasibility of partial or complete dam removal/repair. ATL's investigation report is presented as Appendix G. Three soil samples: two collected from immediately upstream of the dam, and one collected from downstream of the dam, were analyzed for VOCs, SVOCs, PCBs, RCRA metals, copper and iron. Analytical results were compared to NYSDEC Technical Guidance for Screening Contaminated Sediments (TGSCS) assuming a total organic carbon content of 2%, based on suggestions from NYSDEC representatives. VOCs, SVOCs and metals were detected in sediment samples collected from upstream and downstream locations. VOCs and metals did not exceed NYSDEC TGSCS criteria. Concentrations of several SVOCs (PAHs) including

benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and chrysene were detected in samples collected upstream and downstream of the dam that exceeded their respective TGSCS criteria.

Kleinfelder was retained to further investigate the results of the 2003 investigation, and collected additional samples from locations upstream of the Site, immediately adjacent to the Site, and downstream of the Site. Analytical results for samples collected by Kleinfelder are presented in Table 5 (VOCs), Table 6 (SVOCs), Table 7 (pesticides and PCBs), and Table 8 (metals). Concentrations of compounds/analytes detected were compared to NYSDEC TGSCS sediment criteria assuming a total organic carbon content of 2% as previously described.

Volatile Organic Compounds

Detectable concentrations of the VOC acetone were reported in samples collected upstream (SS-5 and SS-6) and downstream (SS-8) of the Site. Other VOCs including ethylbenzene, toluene and xylenes were detected in sample SS-8 collected from downstream of the Site (and downstream of the dam). VOC concentrations did not exceed NYSDEC TGSCS sediment criteria.

Semivolatile Organic Compounds

SVOCs were identified at detectable levels in each of the sediment samples collected for analysis (Table 6). Concentrations of compounds that included benzo(a)pyrene, benzo(b)fluoranthene, and chrysene were detected at concentrations exceeding NYSDEC TGSCS sediment criteria were in sample SS-1, collected immediately adjacent to a drainage pipe situated on the bank of the river near the southeast corner of the Site, and in sample SS-6 collected from several hundred feet upstream of the Site. The highest concentrations of SVOCs were detected in sample SS-2 collected downstream of the Site near the western bank of the river. This sampling location is adjacent to a parcel of land identified on tax maps as a highway garage. It is not known whether impacts identified in this sample, or other down-stream sediment samples (SS-3, SS-4, SS-7 and SS-8) are attributable to the Site, another source in the vicinity such as the former highway garage, or to a source sitting upstream of the Site. The presence of SVOCs in the upstream sample SS-6 indicates that an upstream source or sources have contributed some impact to Salmon River sediments.

Pesticides and PCBs

Concentrations of one or more pesticides exceeding NYSDEC TGSCS sediment criteria were reported in upstream sediment samples SS-5 and SS-6 and downstream sediment samples SS-4, SS-7 and SS-8 (see

Table 7). The PCB Aroclor 1254 was detected in downstream sediment sample SS-7 however the concentration did not exceed NYSDEC TGSCS sediment criteria.

Metals

Metals including arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel and zinc were detected in each of the sediment samples analyzed (Table 8). Concentrations of various metals exceeding NYSDEC TGSCS criteria were detected in downstream samples SS-1, SS-2 and SS-4. In general, the metals concentrations detected slightly exceeded the lowest effect level (LEL) criteria (comparable to a chronic toxicity value) but did not exceed the severe effect level (SEL) criteria (comparable to acute toxicity value).

Summary

The constituents of potential concern identified in sediment samples include SVOCs, pesticides and select metals. SVOCs and pesticide exceedances were detected in sediment samples collected from locations upstream and downstream of the Site suggesting that the Site is not the source of these impacts. Metals exceeding sediment criteria were detected in three of the eight samples analyzed. The data are insufficient to state with certainty whether the metals identified in the sediment samples are the result of on-site impacts, are at background concentrations, or are the result of impact from other potential sources (highway garage property east of Site).

4.3 Groundwater Investigation Results

4.3.1 Groundwater Gauging

Monitoring wells were gauged for depth to groundwater on October 26, 2006, January 22, 2007, June 19, 2007, June 29, 2007 and September 21, 2007. The gauging data collected during these events are presented in Table 9. The data were used to generate potentiometric surface maps for October 2006, January 2007, June 2007 and September 2007, provided as Figure 6, Figure 7, Figure 8 and Figure 9, respectively. Groundwater flow at the Site appears to be variable over time, and appears to range from northwestward to southeastward depending on the time of year, and location on or around the Site.

The potentiometric surface map for October 26, 2007 (Figure 6) depicts a hydraulic divide traversing the site between monitoring wells MW-2 and MW-5. Groundwater north of these wells appears to flow toward the northwest while groundwater south of the divide appears to flow toward the southeast. The gradient at the Site is approximately 0.004 ft/ft.

The interpretation presented on potentiometric surface map for January 2007 (Figure 7), depicts a broad groundwater divide similar to that presented for October 2006. Groundwater in the northern portion of the Site appears to flow toward the northwest, while groundwater in the south of the Site appears to flow toward the south/southeast. The groundwater gradient appears to be approximately 0.0357 feet per foot (ft/ft).

The interpretation presented on Figure 8 for June 2007 depicts groundwater flow to the east-southeast with a gradient of approximately 0.01 ft/ft.

The potentiometric surface map presented as Figure 9 for September 2007 in general depicts groundwater flow toward the north-northwest. Local flow variability ranges from northwestward to northeast and the gradient in the central portion of the Site is approximately 0.002 ft/ft.

Based on the potentiometric surface interpretations presented in Figures 6 though 9, the direction of groundwater flow appears to vary widely over time and location on the Site. The groundwater gradients observed during the multiple gauging events ranged from approximately 0.003 ft/ft to greater than 0.357 ft/ft. Assuming an average hydraulic conductivity of 1.88 ft/day (as described previously), the velocity of groundwater flow appears to range from approximately 0.006 ft/day to 0.07 ft/day.

4.3.2 Groundwater Analytical Results

As stated previously, monitoring wells MW-1 through MW-6 (on-site) were gauged and sampled on October 26, 2006 and January 22, 2007. Off-site monitoring wells MW-7, MW-8 and MW-9 were sampled on June 25, 2007, and a grab groundwater sample was collected from SB-14 on June 19, 2007. Analytical results for groundwater samples are summarized in Table 10 (VOCs), Table 11 (SVOCs), Table 12 (Pesticides and PCBs), and metals (Table 13), and analytical parameters exceeding groundwater quality criteria are presented on Figure 10.

Volatile Organic Compounds

One or more VOCs were detected in groundwater samples collected from on-site and off-site monitoring wells. In order to evaluate the level of impact to groundwater at a given location, groundwater sample analytical results were compared to water quality standards (WQS) presented in the NYSDEC's Division of Water Technical and Operational Guidance Series (1.1.1), (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998.

VOCs were detected at concentrations exceeding WQS in samples collected from on-site monitoring wells MW-3, MW-4 and MW-5 (Table 10). The constituents detected were typical of gasoline and /or fuel oil impacts and included BTEX compounds and methyl tert butyl ether (MTBE). Concentrations of select VOCs were also detected in groundwater samples collected from on-site wells MW-1, MW-2 and MW-6 and off-site monitoring wells MW-7 and MW-8, however the concentrations of these compounds were well below NYSDEC WQS. Constituents present in groundwater that exceed WQS are depicted on Figure 10.

Semivolatile Organic Compounds

Naphthalene was the only SVOC detected in groundwater samples collected during the investigation (Table 11). Concentrations of naphthalene exceeding the NYSDEC WQS were detected in samples collected from on –site monitoring wells MW-3, MW-4 and MW-5. SVOCs were not detected in other on-site or off-site monitoring wells. Constituents present in groundwater that exceed WQS are depicted on Figure 10.

Pesticides and PCBs

The pesticides gamma-BHC and Endosulfan-II were detected at low estimated concentrations in the groundwater sample collected from off-site monitoring well MW-8 (Table 12). These constituents were reported at estimated (j-qualified) concentrations, below the quantitation limits, and did not exceed WQS. Pesticides and PCBs were not detected in other groundwater samples collected from on-site or off-site monitoring wells.

Metals

Metals were detected in groundwater samples collected from each of the on-site and off-site monitoring wells. Concentrations of chromium and lead, exceeding their respective WQS were detected in initial (October 2006) samples collected from monitoring wells MW-1, MW-3 and MW-4. Samples collected during the subsequent (January 2007) sampling event did not contain concentrations of these or other metals at levels exceeding WQS (Table 13).

Summary

Groundwater impacts have been identified only in on-site monitoring wells. The primary constituents of concern identified in groundwater at the Site are VOCs and to a lesser extent SVOCs (naphthalene). Groundwater impact appears to be most severe in the vicinity of wells MW-3, MW-4 and MW-5.

Pesticides and PCBs were not detected in groundwater samples at concentrations exceeding NYSDEC WQS. Lead and chromium were detected at exceedance concentrations during initial groundwater sampling event in October 2006, however concentrations of these metals detected in samples collected during the January 2007 sampling event did not exceed NYSDEC WQS.

4.4 Soil Vapor Sampling on Eastern Property Margin

Analytical results for the two soil gas samples and one ambient air sample collected from the eastern property margin are presented in Table 14 and depicted on Figure 11. The results of the soil gas investigation identified detectable concentrations of multiple VOCs including petroleum-related compounds (toluene, ethylbenzene, toluene xylenes, etc.) as well as other compounds commonly used as dry-cleaning or plastic solvents (tetrachloroethene, 2-butanine). While there is no way to directly correlate VOC vapors in soil to that which may accumulate inside a structure, the presence of these compounds indicates a potential for vapor intrusion.

Because the dwelling is abandoned and condemned, exposure to any occupants is not a concern at this time. However, if the dwelling is to be refurbished for future occupancy, installation of a soil vapor barrier and/or a sub-slab vapor extraction system may be necessary.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

On behalf of The Town of Fort Covington, Kleinfelder has completed a Site Investigation (SI) at the Former Martin's Gulf Station (Site), located at the southeast corner of the intersection of Chateaugay Street and Salmon Street in Fort Covington, New York (Environmental Restoration Program No. E-517006).

The purpose of the SI was to characterize the subsurface geology and hydrogeology of the Site, and determine the nature and extent of any impacts to soil or groundwater from historical operations.

Based on information gathered during the site investigation, the unconsolidated subsurface materials consist of approximately 2 to 5 feet of sand at the surface overlying approximately 5 to 10+ feet of silt and clay. The silt and clay overlies sand and a sand and gravel unit, the depth of which is not known. The depth to bedrock in the area is not known as it was not encountered during SI activities. According

to documents reviewed pertaining to the vicinity, the depth to bedrock is generally expected to be 30 to 50 ft bgs.

Information gathered during several rounds of groundwater gauging suggests that groundwater flow at the Site is variable, and ranges from north-northwestward to southeastward. In general, groundwater flow appears to be toward the Salmon River. Slug testing was conducted at two on-site monitoring wells to evaluate hydraulic conductivity of the aquifer. The mean hydraulic conductivity for the aquifer underlying the Site was estimated to be 1.88 ft/day.

The site investigation was performed in several stages from April 2006 through September 2007 and included the cleaning and removal of two underground storage tanks formerly used to store gasoline, collection of soil samples from approximately 40 on-site and off-site locations, installation and sampling of six on-site and nine off-site monitoring wells, and the collection and analysis of eight sediment samples from the Salmon River in the vicinity of the subject Site. Four test pits were also dug at the Site to determine the cause of refusal for several borings and resolve a subsurface anomaly in this same area. Other activities performed at the Site included an evaluation of the Site building for the presence of asbestos containing materials in support of the eventual demolition of the Site building by the Town of Fort Covington, and the collection of soil gas samples from the eastern property boundary, adjacent to a condemned and abandoned residential property. The analytical program included volatile organic compounds, semivolatile organic compounds, metals, pesticides and PCBs.

The results of the investigation revealed the presence of volatile and semi-volatile organic compounds and certain metals present above SCO's in on-site soils and above water quality standards and guidance values in groundwater. The impacts were primarily identified within the boundaries of the Site, but may extend beyond property lines beneath Chateaugay Street to the north and/or Salmon Street to the west. Generally, site related impacts were not identified at off-site sampling locations. Test pits that were dug at the site, encountered impacted soils, and identified buried concrete/construction debris on the Site's northern margin. One of the test pits was designated to investigate a geophysical anomaly, however upon excavation, an anomaly could not be confirmed. Samples collected from the Salmon River upriver, adjacent to, and downriver of the subject Site indicate the presence of various compounds also present in Site soils and groundwater; however, the presence of other isolated organic and inorganic constituents suggests a separate source of contamination in the river. Results of the soil gas survey indicate the potential for vapor intrusion to structures overlying or near impacted areas.

5.2 Recommendations

Based on sampling and analysis conducted during the SI, the primary concerns at the Site appear to be limited to the confines of the Site. On-site soils in the northern central portion of the Site are impacted with VOCs and to a lesser extent SVOCs, and appear to be the result of the Site's historical usage as a gasoline sales and service station.

Groundwater at the Site has been impacted by VOCs, and to a lesser extent SVOCs (naphthalene) and metals (chromium and lead). The VOCs and SVOCs also appear to be the result of historical operations at the Site. The chromium and lead concentrations detected in groundwater samples during an initial event suggest that their presence in groundwater may be due to suspended solids present in the groundwater, and therefore may be representative of the aquifer materials rather than as a constituent of groundwater.

In order to address contamination identified at the Site, Kleinfelder is recommending that an Interim Remedial Measure be conducted. The IRM work plan is included as Appendix H. The IRM would consist of excavation and off-site disposal of impacted soil from the Site. The area of proposed remediation is depicted on Figure 12 and measures approximately 50 feet by 45 feet to a total depth of approximately 8 ft bgs. The excavation will remove the majority of petroleum impacts at the Site. The actual dimensions of excavation will depend on field screening of soils during excavation and on the depth to groundwater. Impact remaining below the limits of excavation, or beyond the property boundaries (i.e., under Chateaugay or Salmon Streets) will be assessed through post-excavation sampling. Remedial alternatives for addressing potential remaining impacts to soil and/or groundwater will be evaluated when the post-excavation data are available.

6.0 STATEMENT OF LIMITATIONS

This report may be used only by the client and only for the purposes stated, within a reasonable time from its issuance, but in no event later than three years from the date of the report. Land and facility use, on and off-site conditions, regulations or other factors may change over time, and additional work may be required with the passage of time. Based on the intended use of this report, Kleinfelder may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the client or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party and client agrees to defend, indemnify, and hold harmless Kleinfelder from any claim of liability associated with such unauthorized use or non-compliance.

7.0 REFERENCES

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TABLES

Table 1
SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SUR-1	SUR-2	SUR-3	SB-2	SB-3	SB-3
Parameter	**NYSDEC SCO**	**SUR-1(0-2")**	**SUR-2(0-2")**	**SUR-3(0-2")**	**SB-2 (6-8')**	**SB-3 SURFACE**	**SB-3 (4-6')**
Sample Date		6/18/2007	6/18/2007	6/18/2007	4/11/2006	4/11/2006	4/11/2006
Acetone	**100**	<0.008	<0.007	<0.009	NA	NA	NA
Benzene	**4.8**	**0.0007 J**	<0.0005	<0.0007	<0.0015	<0.0013	<0.076
2-Butanone (MEK)	**100**	<0.004	<0.004	<0.005	NA	NA	NA
n-Butylbenzene	**NGV**	NA	NA	NA	<0.0073	<0.0067	<0.38
sec-Butylbenzene	**100**	NA	NA	NA	<0.0073	<0.0067	**0.616**
Ethylbenzene	**41**	**0.003 J**	**0.002 J**	**0.006 J**	<0.0015	<0.0013	**2.68**
Isopropylbenzene	**NGV**	NA	NA	NA	<0.0073	<0.0067	**0.838**
p-Isopropyltoluene	**NGV**	NA	NA	NA	<0.0073	<0.0067	**0.530**
Methyl Tert Butyl Ether	**100**	NA	NA	NA	<0.0015	<0.0013	<0.076
Methylene chloride	**100**	<0.002	<0.002	<0.003	NA	NA	NA
Naphthalene	**100**	NA	NA	NA	<0.0073	<0.0067	**6.78**
n-Propylbenzene	**100**	NA	NA	NA	<0.0073	<0.0067	**3.73**
Toluene	**100**	**0.021**	**0.011**	**0.01**	<0.0015	<0.0013	<0.076
1,2,4-Trimethylbenzene	**52**	NA	NA	NA	<0.0073	<0.0067	**42.7**
1,3,5-Trimethylbenzene	**52**	NA	NA	NA	<0.0073	<0.0067	**15.3**
m,p-Xylene	**NGV**	NA	NA	NA	<0.0029	<0.0027	**8.18**
o-Xylene	**NGV**	NA	NA	NA	<0.0015	<0.0013	**3.35**
Xylene (total)	**100**	**0.016**	**0.014**	**0.044**	<0.0029	<0.0027	**11.5**

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
Xylene (total) - Sum of m, p-xylenes and o-xylenes
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs

Table 1
SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-4	SB-5B	SB-7	SB-9	SB-9	SB-10
Parameter	**NYSDEC SCO**	**SB-4 (6-8')**	**SB-5B (1-2')**	**SB-7 (4-5')**	**SB-9 SURFACE**	**SB-9 (6-8')**	**SB-10 SURFACE**
Sample Date		4/11/2006	4/12/2006	4/12/2006	4/12/2006	4/12/2006	4/12/2006
Acetone	**100**	NA	NA	NA	NA	NA	NA
Benzene	**4.8**	**0.248**	**21.0**	**2.03**	<0.0012	<0.0016	<0.0011
2-Butanone (MEK)	**100**	NA	NA	NA	NA	NA	NA
n-Butylbenzene	**NGV**	<0.48	**18.2**	<4.0	<0.0062	<0.0081	<0.0054
sec-Butylbenzene	**100**	**1.34**	**6.56**	**1.90 J**	<0.0062	<0.0081	<0.0054
Ethylbenzene	**41**	**26.0**	**158**	**30.3**	<0.0012	<0.0016	<0.0011
Isopropylbenzene	**NGV**	**3.71**	**16.0**	**4.38**	<0.0062	<0.0081	<0.0054
p-Isopropyltoluene	**NGV**	**0.838**	**3.67 J**	**1.40 J**	<0.0062	<0.0081	<0.0054
Methyl Tert Butyl Ether	**100**	<0.096	<0.83	<0.80	<0.0012	<0.0016	<0.0011
Methylene chloride	**100**	NA	NA	NA	NA	NA	NA
Naphthalene	**100**	**14.3**	**63.7**	**20.8**	<0.0062	<0.0081	<0.0054
n-Propylbenzene	**100**	**14.4**	**66.5**	**16.6**	<0.0062	<0.0081	<0.0054
Toluene	**100**	**22.0**	**323**	**2.92**	<0.0012	<0.0016	**0.0011**
1,2,4-Trimethylbenzene	**52**	**93.0**	**329**	**150**	<0.0062	<0.0081	<0.0054
1,3,5-Trimethylbenzene	**52**	**28.7**	**139**	**52.5**	<0.0062	<0.0081	<0.0054
m,p-Xylene	**NGV**	**98.2**	**439**	**142**	<0.0025	<0.0032	<0.0022
o-Xylene	**NGV**	**42.3**	**179**	**39.1**	<0.0012	<0.0016	<0.0011
Xylene (total)	**100**	**140**	**618**	**181**	<0.0025	<0.0032	<0.0022

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
Xylene (total) - Sum of m, p-xylenes and o-xylenes
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs

Table 1
SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-10	SB-11	SB-11	SB-12	SB-13	SB-13A
Parameter	**NYSDEC SCO**	**SB-10 (10-12')**	**SB-11 SURFACE**	**SB-11 (2-4')**	**SB-12 (8-10')**	**SB-13 (6-8')**	**SB-13A(0-2")**
Sample Date		4/12/2006	4/12/2006	4/12/2006	4/11/2006	4/11/2006	6/18/2007
Acetone	**100**	NA	NA	NA	NA	NA	<0.007
Benzene	**4.8**	<0.0016	<0.0013	**0.00066 J**	<0.0019	**0.0013 J**	<0.0005
2-Butanone (MEK)	**100**	NA	NA	NA	NA	NA	<0.004
n-Butylbenzene	**NGV**	<0.0079	<0.0065	<0.0065	<0.0096	<0.0079	NA
sec-Butylbenzene	**100**	<0.0079	<0.0065	<0.0065	<0.0096	**0.0168**	NA
Ethylbenzene	**41**	<0.0016	<0.0013	<0.0013	<0.0019	**0.0014 J**	**0.002 J**
Isopropylbenzene	**NGV**	<0.0079	<0.0065	<0.0065	<0.0096	**0.0113**	NA
p-Isopropyltoluene	**NGV**	<0.0079	<0.0065	<0.0065	<0.0096	<0.0079	NA
Methyl Tert Butyl Ether	**100**	<0.0016	<0.0013	<0.0013	<0.0019	**0.0016**	NA
Methylene chloride	**100**	NA	NA	NA	NA	NA	<0.002
Naphthalene	**100**	<0.0079	<0.0065	<0.0065	<0.0096	<0.0079	NA
n-Propylbenzene	**100**	<0.0079	<0.0065	<0.0065	<0.0096	**0.0175**	NA
Toluene	**100**	**0.00087 J**	<0.0013	**0.0016**	<0.0019	**0.0013 J**	**0.007**
1,2,4-Trimethylbenzene	**52**	<0.0079	<0.0065	<0.0065	<0.0096	**0.163**	NA
1,3,5-Trimethylbenzene	**52**	<0.0079	<0.0065	<0.0065	<0.0096	**0.0890**	NA
m,p-Xylene	**NGV**	<0.0032	<0.0026	<0.0026	<0.0038	**0.0233**	NA
o-Xylene	**NGV**	<0.0016	<0.0013	<0.0013	<0.0019	**0.003**	NA
Xylene (total)	**100**	<0.0032	<0.0026	<0.0026	<0.0038	**0.0261**	**0.014**

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
Xylene (total) - Sum of m, p-xylenes and o-xylenes
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs

Table 1
SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-13A	SB-14	SB-15	SB-16	SB-16	SB-17
Parameter	**NYSDEC SCO**	**SB-13A(4')**	**SB-14 (4')**	**SB-15 (4')**	**SB-16 (0-2")**	**SB-16 (3')**	**SB-17 (4')**
Sample Date		6/20/2007	6/19/2007	6/19/2007	6/18/2007	6/19/2007	6/20/2007
Acetone	**100**	**0.014 J**	<0.01	**0.17**	<0.008	<0.009	**0.009 J**
Benzene	**4.8**	<0.0007	<0.0007	**0.0009 J**	**0.0009 J**	**0.002 J**	<0.0006
2-Butanone (MEK)	**100**	<0.005	<0.006	**0.023**	<0.005	<0.005	<0.005
n-Butylbenzene	**NGV**	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	**100**	NA	NA	NA	NA	NA	NA
Ethylbenzene	**41**	<0.001	<0.001	**0.001 J**	**0.001 J**	**0.006 J**	<0.001
Isopropylbenzene	**NGV**	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	**NGV**	NA	NA	NA	NA	NA	NA
Methyl Tert Butyl Ether	**100**	NA	NA	NA	NA	NA	NA
Methylene chloride	**100**	**0.007**	<0.003	<0.003	**0.002 J**	**0.012**	**0.006 J**
Naphthalene	**100**	NA	NA	NA	NA	NA	NA
n-Propylbenzene	**100**	NA	NA	NA	NA	NA	NA
Toluene	**100**	**0.006 J**	**0.012**	**0.017**	**0.018**	**0.052**	**0.01**
1,2,4-Trimethylbenzene	**52**	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	**52**	NA	NA	NA	NA	NA	NA
m,p-Xylene	**NGV**	NA	NA	NA	NA	NA	NA
o-Xylene	**NGV**	NA	NA	NA	NA	NA	NA
Xylene (total)	**100**	**0.002 J**	**0.004 J**	**0.008**	**0.013**	**0.036**	**0.003 J**

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
Xylene (total) - Sum of m, p-xylenes and o-xylenes
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs

Table 1
SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-18	SB-19	SB-20	SB-20	SB-21	MW-1
Parameter	**NYSDEC SCO**	**SB-18 (4')**	**SB-19 (4')**	**SB-20 (4')**	**SB-201 (4')***	**SB-21 (4')**	**MW1(4')**
Sample Date		6/29/2007	6/29/2007	6/20/2007	6/20/2007	6/29/2007	10/10/2006
Acetone	**100**	**0.016 J**	<0.009	**0.01 J**	**0.009 J**	**0.011 J**	NA
Benzene	**4.8**	<0.0006	<0.0006	<0.0006	**0.0007 J**	<0.0006	<0.0038
2-Butanone (MEK)	**100**	<0.005	<0.005	<0.005	<0.005	<0.005	NA
n-Butylbenzene	**NGV**	NA	NA	NA	NA	NA	<0.019
sec-Butylbenzene	**100**	NA	NA	NA	NA	NA	**0.0051 J**
Ethylbenzene	**41**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0161**
Isopropylbenzene	**NGV**	NA	NA	NA	NA	NA	**0.0070 J**
p-Isopropyltoluene	**NGV**	NA	NA	NA	NA	NA	<0.019
Methyl Tert Butyl Ether	**100**	NA	NA	NA	NA	NA	**0.0170**
Methylene chloride	**100**	**0.004 J**	**0.026**	<0.003	**0.014**	**0.01**	NA
Naphthalene	**100**	NA	NA	NA	NA	NA	**0.0829**
n-Propylbenzene	**100**	NA	NA	NA	NA	NA	**0.0231**
Toluene	**100**	<0.001	<0.001	**0.002 J**	**0.012**	<0.001	**0.0210**
1,2,4-Trimethylbenzene	**52**	NA	NA	NA	NA	NA	**0.0306**
1,3,5-Trimethylbenzene	**52**	NA	NA	NA	NA	NA	**0.0996**
m,p-Xylene	**NGV**	NA	NA	NA	NA	NA	**0.198**
o-Xylene	**NGV**	NA	NA	NA	NA	NA	**0.159**
Xylene (total)	**100**	<0.001	<0.001	<0.001	**0.004 J**	<0.001	**0.357**

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
Xylene (total) - Sum of m, p-xylenes and o-xylenes
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs
SB-201 (4') is duplicate of SB-20(4')

Table 1
SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		MW-2	MW-3	MW-4	MW-5	MW-6	UST Area
Parameter	NYSDEC SCO	MW2(5')	MW3(4')	MW4(3')	MW5(5')	MW6(5')	UST-SURFACE
Sample Date		10/10/2006	10/10/2006	10/10/2006	10/10/2006	10/11/2006	8/15/2006
Acetone	100	NA	NA	NA	NA	NA	NA
Benzene	4.8	39.7	5.11	0.0851	0.223	0.00640	0.00082 J
2-Butanone (MEK)	100	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NGV	<20	32.1	1.38	3.060	<0.0070	<0.0052
sec-Butylbenzene	100	<20	9.17 J	0.280	0.760 J	<0.0070	0.0017 J
Ethylbenzene	41	106	152	2.98	6.12	0.0276	0.00062 J
Isopropylbenzene	NGV	11 J	25.3	0.701	1.42	0.00220 J	<0.0052
p-Isopropyltoluene	NGV	<20	4.47 J	0.197 J	0.519 J	<0.0070	<0.0052
Methyl Tert Butyl Ether	100	22.7	<3.6	0.0136	<0.160	0.00150	<0.0010
Methylene chloride	100	NA	NA	NA	NA	NA	NA
Naphthalene	100	70	87.6	3.35	5.89	<0.0070	0.010
n-Propylbenzene	100	37.3	71.2	2.67	4.15	0.00490 J	0.0029 J
Toluene	100	360	273	2.83	8.23	0.0879	0.002
1,2,4-Trimethylbenzene	52	294	556	15.1	35.8	0.00820	0.0376
1,3,5-Trimethylbenzene	52	99	161	5.65	12.1	0.0170	0.0287
m,p-Xylene	NGV	460	604	6.26	18.5	0.0383	0.005
o-Xylene	NGV	236	248	4.38	6.53	0.0628	0.005
Xylene (total)	100	696	852	12.2	25.0	0.101	0.01

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
Xylene (total) - Sum of m, p-xylenes and o-xylenes
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs

Table 1
SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SW-N	TP-1	TP-2	TP-3	TP-4	Tank Excavation Area
Parameter	NYSDEC SCO	SW-N-6'	TP1-6'	TP2-6'	TP3-4'	TP4-6'	TT-1,000-G-FP
Sample Date		8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006
Acetone	100	<1.7	0.325 J	<31	<40	<0.014	<72
Benzene	4.8	<0.17	<0.072	53.4	18.1	<0.0014	<0.0072
2-Butanone (MEK)	100	<1.7	<0.72	<31	<40	<0.014	<72
n-Butylbenzene	NGV	1.05	1.89	14.3 J	14.2 J	<0.0068	25.4 J
sec-Butylbenzene	100	0.413 J	0.619	4.82 J	5.29 J	<0.0068	11.9 J
Ethylbenzene	41	2.05	1.24	158	146	<0.0014	70.7
Isopropylbenzene	NGV	0.641 J	0.842	14.2 J	<20	<0.0068	25.3 J
p-Isopropyltoluene	NGV	0.288 J	0.432	3.10 J	<20	<0.0068	6.79 J
Methyl Tert Butyl Ether	100	<0.17	<0.072	<3.1	<20	<0.0014	<0.0072
Methylene chloride	100	<0.83	<0.36	<16	<20	<0.0068	<36
Naphthalene	100	5.04	8.27	62.2	54.7	<0.0068	124
n-Propylbenzene	100	1.97	3.16	56.0	51.9	<0.0068	67.7
Toluene	100	2.32	0.0714 J	532	474	0.00076 J	92.1
1,2,4-Trimethylbenzene	52	29.6	34.5	419	401	<0.0068	805
1,3,5-Trimethylbenzene	52	9.70	12.6	124	125	0.0102	229
m,p-Xylene	NGV	17.9	13.4	692	670	<0.0027	505
o-Xylene	NGV	8.48	4.41	265	243	<0.0014	258
Xylene (total)	100	26.4	17.8	957	913	<0.0027	763

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
Xylene (total) - Sum of m, p-xylenes and o-xylenes
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs

Table 2
SOIL ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SUR-1	SUR-2	SUR-3	SB-2	SB-3	SB-3	SB-4
Parameter	**NYSDEC SCO**	**SUR-1(0-2")**	**SUR-2(0-2")**	**SUR-3(0-2")**	**SB-2 (6-8')**	**SB-3 SURFACE**	**SB-3 (4-6')**	**SB-4 (6-8')**
Sample Date		6/18/2007	6/18/2007	6/18/2007	4/11/2006	4/11/2006	4/11/2006	4/11/2006
Acenaphthene	**100**	<0.18	<0.034	<0.044	<0.0810	**0.0228 J**	<0.083	<0.097
Acenaphthylene	**100**	a	<0.034	<0.044	NA	NA	NA	NA
Anthracene	**100**	<0.18	<0.034	<0.044	<0.0810	**0.358**	**0.0292 J**	<0.097
Benzo(a)anthracene	**1**	**0.3 J**	<0.034	<0.044	<0.0810	**0.924**	**0.123**	<0.097
Benzo(a)pyrene	**1**	**0.37 J**	<0.034	**0.045 J**	<0.0810	**0.883**	**0.143**	<0.097
Benzo(b)fluoranthene	**1**	**0.5 J**	<0.034	**0.057 J**	<0.0810	**1.07**	**0.197**	<0.097
Benzo(g,h,i)perylene	**100**	**0.28 J**	<0.034	<0.044	<0.0810	**0.624**	**0.105**	<0.097
Benzo(k)fluoranthene	**3.9**	<0.18	<0.034	<0.044	<0.0810	**0.387**	**0.0678 J**	<0.097
Carbazole	**NGV**	<0.18	<0.034	<0.044	NA	NA	NA	NA
Chrysene	**3.9**	**0.37 J**	<0.034	**0.047 J**	<0.0810	**0.958**	**0.144**	<0.097
Dibenzo(a,h)anthracene	**0.33**	<0.18	<0.034	<0.044	<0.0810	<0.087	**0.0225 J**	<0.097
Di-n-butyl phthalate	**NGV**	<0.36	<0.069	<0.089	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	**NGV**	<0.36	<0.069	<0.089	NA	NA	NA	NA
Fluoranthene	**100**	**0.64 J**	<0.034	**0.064 J**	<0.0810	**1.35**	**0.283**	<0.097
Fluorene	**100**	<0.18	<0.034	<0.044	<0.0810	**0.0297 J**	**0.0199 J**	<0.097
Indeno(1,2,3-cd)pyrene	**0.5**	**0.26 J**	<0.034	<0.044	<0.0810	**0.727**	**0.122**	<0.097
2-Methylnaphthalene	**NGV**	<0.18	<0.034	<0.044	NA	NA	NA	NA
Naphthalene	**100**	<0.18	<0.034	<0.044	<0.0810	**0.0332 J**	**0.301**	**0.250**
Phenanthrene	**100**	**0.31 J**	<0.034	<0.044	<0.0810	**0.375**	**0.221**	<0.097
Pyrene	**100**	**0.53 J**	<0.034	**0.07 J**	<0.0810	**1.46**	**0.279**	<0.097

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs

Table 2
SOIL ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-5B	SB-7	SB-9	SB-9	SB-10	SB-10	SB-11
Parameter	**NYSDEC SCO**	**SB-5B (1-2')**	**SB-7 (4-5')**	**SB-9 SURFACE**	**SB-9 (6-8')**	**SB-10 SURFACE**	**SB-10 (10-12')**	**SB-11 SURFACE**
Sample Date		4/12/2006	4/12/2006	4/12/2006	4/12/2006	4/12/2006	4/12/2006	4/12/2006
Acenaphthene	100	<0.088	0.0390 J	<0.079	<0.090	<0.071	<0.094	<0.081
Acenaphthylene	100	NA	NA	NA	NA	NA	NA	NA
Anthracene	100	0.0524 J	0.0539 J	0.0509 J	<0.090	0.154	<0.094	0.0433 J
Benzo(a)anthracene	1	<0.088	0.0772 J	0.268	<0.090	0.671	<0.094	0.209
Benzo(a)pyrene	1	<0.088	0.0773 J	0.290	<0.090	0.73	<0.094	0.219
Benzo(b)fluoranthene	1	<0.088	0.0877	0.382	<0.090	0.951	<0.094	0.282
Benzo(g,h,i)perylene	100	<0.088	<0.0086	0.202	<0.090	0.475	<0.094	0.155
Benzo(k)fluoranthene	3.9	<0.088	0.0448 J	0.148	<0.090	0.331	<0.094	0.120
Carbazole	NGV	NA	NA	NA	NA	NA	NA	NA
Chrysene	3.9	<0.088	0.0859 J	0.277	<0.090	0.687	<0.094	0.214
Dibenzo(a,h)anthracene	0.33	<0.088	<0.0086	0.0589 J	<0.090	0.149	<0.094	0.0513 J
Di-n-butyl phthalate	NGV	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NGV	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	100	0.0313 J	0.0745 J	0.356	<0.090	0.956	<0.094	0.344
Fluorene	100	0.199	0.0630 J	<0.079	<0.090	0.0295 J	<0.094	<0.081
Indeno(1,2,3-cd)pyrene	0.5	<0.088	<0.0086	0.242	<0.090	0.577	<0.094	0.178
2-Methylnaphthalene	NGV	NA	NA	NA	NA	NA	NA	NA
Naphthalene	100	26.6	2.65	<0.079	<0.090	<0.071	<0.094	<0.081
Phenanthrene	100	0.283	0.105	0.107	<0.090	0.355	<0.094	0.152
Pyrene	100	0.0609 J	0.103	0.424	<0.090	1.09	<0.094	0.392

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs

Table 2
SOIL ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-11	SB-12	SB-13	SB-13A	SB-13A	SB-14	SB-15
Parameter	**NYSDEC SCO**	**SB-11 (2-4')**	**SB-12 (8-10')**	**SB-13 (6-8')**	**SB-13A(0-2")**	**SB-13A(4')**	**SB-14 (4')**	**SB-15 (4')**
Sample Date		4/12/2006	4/11/2006	4/11/2006	6/18/2007	6/20/2007	6/19/2007	6/19/2007
Acenaphthene	**100**	<0.084	<0.10	<0.084	<0.18	<0.044	<0.05	<0.048
Acenaphthylene	**100**	NA	NA	NA	<0.18	<0.044	<0.05	<0.048
Anthracene	**100**	**0.0390 J**	<0.10	<0.084	<0.18	<0.044	<0.05	**0.074 J**
Benzo(a)anthracene	**1**	**0.112**	<0.10	<0.084	**0.22 J**	<0.044	<0.05	**0.3**
Benzo(a)pyrene	**1**	**0.112**	<0.10	<0.084	**0.24 J**	<0.044	<0.05	**0.26**
Benzo(b)fluoranthene	**1**	**0.142**	<0.10	<0.084	**0.32 J**	<0.044	<0.05	**0.36**
Benzo(g,h,i)perylene	**100**	**0.0680 J**	<0.10	<0.084	**0.2 J**	<0.044	<0.05	**0.16 J**
Benzo(k)fluoranthene	**3.9**	**0.0607 J**	<0.10	<0.084	<0.18	<0.044	<0.05	**0.14 J**
Carbazole	**NGV**	NA	NA	NA	<0.18	<0.044	<0.05	<0.048
Chrysene	**3.9**	**0.115**	<0.10	<0.084	**0.25 J**	<0.044	<0.05	**0.29**
Dibenzo(a,h)anthracene	**0.33**	<0.084	<0.10	<0.084	<0.18	<0.044	<0.05	**0.048 J**
Di-n-butyl phthalate	**NGV**	NA	NA	NA	<0.35	<0.088	<0.099	<0.095
bis(2-Ethylhexyl)phthalate	**NGV**	NA	NA	NA	<0.35	<0.088	<0.099	<0.095
Fluoranthene	**100**	**0.195**	<0.10	**0.0203 J**	**0.45 J**	<0.044	<0.05	**0.59**
Fluorene	**100**	<0.084	<0.10	<0.084	<0.18	<0.044	<0.05	<0.048
Indeno(1,2,3-cd)pyrene	**0.5**	**0.081 J**	<0.10	<0.084	<0.18	<0.044	<0.05	**0.14 J**
2-Methylnaphthalene	**NGV**	NA	NA	NA	<0.18	<0.044	<0.05	<0.048
Naphthalene	**100**	<0.084	<0.10	<0.084	<0.18	<0.044	<0.05	<0.048
Phenanthrene	**100**	**0.128**	<0.10	**0.0326 J**	**0.21 J**	<0.044	<0.05	**0.3**
Pyrene	**100**	**0.204**	<0.10	**0.0352 J**	**0.37 J**	<0.044	<0.05	**0.52**

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs

Table 2
SOIL ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-16	SB-16	SB-17	SB-18	SB-19	SB-20	SB-20
Parameter	**NYSDEC SCO**	**SB-16(0-2")**	**SB-16 (3')**	**SB-17 (4')**	**SB-18 (4')**	**SB-19 (4')**	**SB-20 (4')**	**SB-201 (4')**
Sample Date		6/18/2007	6/19/2007	6/20/2007	6/29/2007	6/29/2007	6/20/2007	6/20/2007
Acenaphthene	100	0.27 J	0.52 J	<0.041	<0.041	<0.042	<0.042	<0.041
Acenaphthylene	100	<0.19	3.1	<0.041	<0.041	<0.042	<0.042	<0.041
Anthracene	100	0.46 J	2.9	<0.041	<0.041	0.053 J	<0.042	<0.041
Benzo(a)anthracene	1	1.6	11	<0.041	0.11 J	0.18 J	<0.042	<0.041
Benzo(a)pyrene	1	1.5	7.8	<0.041	0.11 J	0.18 J	<0.042	<0.041
Benzo(b)fluoranthene	1	1.9	11	<0.041	0.16 J	0.26	<0.042	<0.041
Benzo(g,h,i)perylene	100	1	5	<0.041	0.091 J	0.14 J	<0.042	<0.041
Benzo(k)fluoranthene	3.9	0.7 J	3.9	<0.041	0.062 J	0.13 J	<0.042	<0.041
Carbazole	NGV	0.22 J	0.5 J	<0.041	<0.041	<0.042	<0.042	<0.041
Chrysene	3.9	1.6	9.2	<0.041	0.11 J	0.19 J	<0.042	<0.041
Dibenzo(a,h)anthracene	0.33	0.28 J	1.8 J	<0.041	<0.041	<0.042	<0.042	<0.041
Di-n-butyl phthalate	NGV	<0.38	<0.89	<0.083	<0.083	<0.083	<0.085	<0.083
bis(2-Ethylhexyl)phthalate	NGV	<0.38	<0.89	<0.083	<0.083	<0.083	<0.085	<0.083
Fluoranthene	100	4	21	0.05 J	0.21	0.34	<0.042	<0.041
Fluorene	100	0.22 J	<0.44	<0.041	<0.041	<0.042	<0.042	<0.041
Indeno(1,2,3-cd)pyrene	0.5	0.87 J	4.6	<0.041	0.067 J	0.13 J	<0.042	<0.041
2-Methylnaphthalene	NGV	<0.19	<0.44	<0.041	<0.041	<0.042	<0.042	<0.041
Naphthalene	100	<0.19	<0.44	<0.041	<0.041	<0.042	<0.042	<0.041
Phenanthrene	100	2.4	5.3	<0.041	0.13 J	0.19 J	<0.042	<0.041
Pyrene	100	3.4	16	0.047 J	0.2 J	0.32	<0.042	<0.041

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs
SB-201 (4') is duplicate of SB-20(4')

Table 2
SOIL ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-21	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
Parameter	**NYSDEC SCO**	**SB-21 (4')**	**MW1(4')**	**MW2(5')**	**MW3(4')**	**MW4(3')**	**MW5(5')**	**MW6(5')**
Sample Date		6/29/2007	10/10/2006	10/10/2006	10/10/2006	10/10/2006	10/10/2006	10/11/2006
Acenaphthene	**100**	<0.041	<0.092	<0.096	<0.860	<0.860	<0.091	<0.083
Acenaphthylene	**100**	**0.083 J**	NA	NA	NA	NA	NA	NA
Anthracene	**100**	**0.16 J**	<0.092	<0.096	<0.860	<0.860	<0.091	<0.083
Benzo(a)anthracene	**1**	**0.51**	<0.092	<0.096	<0.860	<0.860	<0.091	<0.083
Benzo(a)pyrene	**1**	**0.51**	<0.092	<0.096	<0.860	<0.860	<0.091	<0.083
Benzo(b)fluoranthene	**1**	**0.66**	<0.092	<0.096	<0.860	<0.860	<0.091	<0.083
Benzo(g,h,i)perylene	**100**	**0.34**	<0.092	<0.096	<0.860	<0.860	<0.091	<0.083
Benzo(k)fluoranthene	**3.9**	**0.38**	<0.092	<0.096	<0.860	<0.860	<0.091	<0.083
Carbazole	**NGV**	**0.058 J**	NA	NA	NA	NA	NA	NA
Chrysene	**3.9**	**0.52**	<0.092	<0.096	<0.860	<0.860	<0.091	<0.083
Dibenzo(a,h)anthracene	**0.33**	**0.069 J**	<0.092	<0.096	<0.860	<0.860	<0.091	<0.083
Di-n-butyl phthalate	**NGV**	<0.081	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	**NGV**	<0.081	NA	NA	NA	NA	NA	NA
Fluoranthene	**100**	**0.94**	<0.092	<0.096	<0.860	<0.860	<0.091	**0.0210 J**
Fluorene	**100**	**0.051 J**	<0.092	<0.096	**0.505 J**	**0.0252 J**	<0.091	<0.083
Indeno(1,2,3-cd)pyrene	**0.5**	**0.3**	<0.092	<0.096	<0.860	<0.860	<0.091	<0.083
2-Methylnaphthalene	**NGV**	<0.041	NA	NA	NA	NA	NA	NA
Naphthalene	**100**	<0.041	**0.0728 J**	<0.096	**40.9**	**2.98**	**0.921**	<0.083
Phenanthrene	**100**	**0.61**	<0.092	<0.096	**0.707 J**	**0.0345 J**	<0.091	**0.0312 J**
Pyrene	**100**	**0.84**	<0.092	<0.096	<0.860	<0.860	<0.091	**0.0258 J**

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
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Shaded - Value exceeds NYSDEC SCOs

Table 2
SOIL ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		UST Area	SW-N	TP-1	TP-2	TP-3	TP-4	Tank Excavation Area
Parameter	**NYSDEC SCO**	**UST-SURFACE**	**SW-N-6'**	**TP1-6'**	**TP2-6'**	**TP3-4'**	**TP4-6'**	**TT-1,000-G-FP**
Sample Date		8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006
Acenaphthene	**100**	<0.34	<0.077	<0.080	<0.075	<0.086	<0.087	<0.081
Acenaphthylene	**100**	NA	<0.077	<0.080	<0.075	<0.086	<0.087	<0.081
Anthracene	**100**	<0.34	**0.0155 J**	<0.080	<0.075	<0.086	<0.087	**0.106**
Benzo(a)anthracene	**1**	**0.626 J**	**0.0216 J**	<0.080	<0.075	<0.086	**0.0688 J**	**0.0401 J**
Benzo(a)pyrene	**1**	<0.34	<0.077	<0.080	<0.075	<0.086	**0.0638 J**	**0.0246 J**
Benzo(b)fluoranthene	**1**	<0.34	<0.077	<0.080	<0.075	<0.086	**0.0625 J**	<0.081
Benzo(g,h,i)perylene	**100**	<0.34	<0.077	<0.080	<0.075	<0.086	<0.087	**0.0235 J**
Benzo(k)fluoranthene	**3.9**	<0.34	<0.077	<0.080	<0.075	<0.086	**0.0519 J**	<0.081
Carbazole	**NGV**	NA	<0.077	<0.080	<0.075	<0.086	<0.087	<0.081
Chrysene	**3.9**	**0.834 J**	**0.0201 J**	<0.080	<0.075	<0.086	**0.0670 J**	**0.0232 J**
Dibenzo(a,h)anthracene	**0.33**	<0.34	<0.077	<0.080	<0.075	<0.086	<0.087	<0.081
Di-n-butyl phthalate	**NGV**	NA	<0.077	**0.0521 J**	<0.075	<0.086	<0.087	<0.081
bis(2-Ethylhexyl)phthalate	**NGV**	NA	<0.077	**0.175**	<0.075	<0.086	<0.087	<0.081
Fluoranthene	**100**	**1.44 J**	**0.0269 J**	**0.0339 J**	<0.075	**0.0180 J**	**0.123**	**0.0441 J**
Fluorene	**100**	**0.589 J**	**0.0786**	**0.0433 J**	**0.0549 J**	**0.0889**	<0.087	**0.246**
Indeno(1,2,3-cd)pyrene	**0.5**	<0.34	<0.077	<0.080	<0.075	<0.086	<0.087	<0.081
2-Methylnaphthalene	**NGV**	NA	**4.23**	**4.03**	**3.77**	**8.030**	<0.087	**22.7**
Naphthalene	**100**	**0.279 J**	**4.71**	**4.95**	**5.25**	**11.5**	**0.034 J**	**23.1**
Phenanthrene	**100**	**3.11**	**0.105**	**0.0968**	**0.0833**	**0.168**	**0.0547 J**	**0.364**
Pyrene	**100**	**1.78**	**0.0581 J**	**0.0982**	**0.0239 J**	**0.0421 J**	**0.101**	**0.118**

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
NA - Not analyzed
NGV - No guidance value
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 8260B for volatile organic compounds and Method 8270C for semivolatile organic compounds
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
Shaded - Value exceeds NYSDEC SCOs

Table 3
SOIL ANALYTICAL DATA - PESTICIDES AND PCBS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SUR-1	SUR-2	SUR-3	SB-3	SB-5B	SB-7
Parameter	NYSDEC SCO	SUR-1(0-2")	SUR-2(0-2")	SUR-3(0-2")	SB-3 SURFACE	SB-5B (1-2')	SB-7 (4-5')
Sample Date		6/18/2007	6/18/2007	6/18/2007	4/11/2006	4/12/2006	4/12/2006
Pesticides							
Dieldrin	**0.2**	<0.00036	<0.00034	<0.00044	<0.017	<0.0052	<0.0048
4,4'-DDD	**13**	<0.00036	<0.00034	<0.00044	<0.017	<0.0052	<0.0048
4,4'-DDE	**8.9**	<0.00036	<0.00034	<0.00044	<0.017	**0.0052**	<0.0048
4,4'-DDT	**7.9**	<0.00036	<0.00034	<0.00044	<0.017	<0.0052	<0.0048
Endrin aldehyde	**NGV**	<0.00036	<0.00034	<0.00044	<0.017	<0.0052	<0.0048
Methoxychlor	**NGV**	<0.0019	<0.0018	<0.0023	<0.0043	<0.013	<0.012
PCBs							
Aroclor 1254	**1**	<0.0059	<0.00556	<0.00717	<0.043	<0.13	<0.12
Aroclor 1260	**1**	<0.00689	<0.00649	<0.00837	<0.043	<0.13	<0.12

Notes:

All concentrations are presented in milligrams per kilogram (mg/kg)
NA - Not analyzed
NGV - No guidance value
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006

Table 3
SOIL ANALYTICAL DATA - PESTICIDES AND PCBS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-9	SB-10	SB-11	SB-11	SB-12	SB-13	SB-13A
Parameter	NYSDEC SCO	SB-9 SURFACE	SB-10 SURFACE	SB-11 SURFACE	SB-10 (10-12')	SB-12 (8-10')	SB-13 (6-8')	SB-13A(0-2")
Sample Date		4/12/2006	4/12/2006	4/12/2006	4/12/2006	4/11/2006	4/11/2006	6/18/2007
Pesticides								
Dieldrin	**0.2**	<0.0016	<0.0014	<0.0016	<0.0019	<0.0020	<0.0017	**0.00082 J**
4,4'-DDD	**13**	<0.0016	<0.0014	<0.0016	<0.0019	<0.0020	<0.0017	<0.00035
4,4'-DDE	**8.9**	<0.0016	<0.0014	<0.0016	<0.0019	<0.0020	<0.0017	**0.0006 J**
4,4'-DDT	**7.9**	<0.0016	**0.0083**	<0.0016	<0.0019	<0.0020	<0.0017	**0.0013 J**
Endrin aldehyde	**NGV**	<0.0016	<0.0014	<0.0016	<0.0019	<0.0020	<0.0017	<0.00035
Methoxychlor	**NGV**	<0.0039	<0.0036	<0.0040	<0.0047	<0.0050	<0.0042	<0.0018
PCBs								
Aroclor 1254	**1**	<0.039	<0.036	<0.040	<0.047	<0.050	<0.042	**0.0253**
Aroclor 1260	**1**	<0.039	<0.036	<0.040	<0.047	<0.050	<0.042	**0.00928 J**

Notes:

All concentrations are presented in milligrams per kilogram (mg/kg)
NA - Not analyzed
NGV - No guidance value
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006

Table 3
SOIL ANALYTICAL DATA - PESTICIDES AND PCBS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-13A	SB-14	SB-15	SB-16	SB-16
Parameter	**NYSDEC SCO**	**SB-13A(4')**	**SB-14 (4')**	**SB-15 (4')**	**SB-16(0-2")**	**SB-16 (3')**
Sample Date		6/20/2007	6/19/2007	6/19/2007	6/18/2007	6/19/2007
Pesticides						
Dieldrin	**0.2**	<0.00043	<0.00049	<0.00047	**0.0012 J**	<0.0022
4,4'-DDD	**13**	<0.00043	<0.00049	<0.00047	**0.0019 J**	**0.009 J**
4,4'-DDE	**8.9**	<0.00043	<0.00049	<0.00047	**0.0023**	**0.0043 J**
4,4'-DDT	**7.9**	<0.00043	<0.00049	<0.00047	**0.014**	**0.052**
Endrin aldehyde	**NGV**	<0.00043	<0.00049	<0.00047	<0.00037	**0.0036 J**
Methoxychlor	**NGV**	<0.0022	<0.0025	<0.0024	<0.0019	<0.011
PCBs						
Aroclor 1254	**1**	<0.00711	<0.00805	<0.00773	<0.00609	<0.00719
Aroclor 1260	**1**	<0.00829	<0.00939	<0.00901	<0.0071	**0.0218 J**

Notes:

All concentrations are presented in milligrams per kilogram (mg/kg)
NA - Not analyzed
NGV - No guidance value
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006

Table 3
SOIL ANALYTICAL DATA - PESTICIDES AND PCBS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-17	SB-18	SB-19	SB-20	SB-20	SB-21	UST Area
Parameter	NYSDEC SCO	SB-17 (4')	SB-18 (4')	SB-19 (4')	SB-20 (4')	SB-201 (4')	SB-21(4')	UST-SURFACE
Sample Date		6/20/2007	6/29/2007	6/29/2007	6/20/2007	6/20/2007	6/29/2007	8/15/2006
Pesticides								
Dieldrin	0.2	<0.00041	**0.00073 J**	**0.0014 J**	<0.00042	<0.00041	**0.00093 J**	<0.0014
4,4'-DDD	13	<0.00041	**0.0016 J**	**0.0029**	<0.00042	<0.00041	**0.0018 J**	<0.0014
4,4'-DDE	8.9	<0.00041	<0.00041	**0.00065 J**	<0.00042	<0.00041	**0.00074 J**	<0.0014
4,4'-DDT	7.9	**0.0013 J**	**0.0018 J**	**0.0037**	<0.00042	<0.00041	**0.0034**	<0.0014
Endrin aldehyde	NGV	<0.00041	<0.00041	<0.00041	<0.00042	<0.00041	<0.0004	<0.0014
Methoxychlor	NGV	<0.0021	<0.0021	<0.0021	<0.0022	**0.0044 J**	<0.0021	<0.0034
PCBs								
Aroclor 1254	1	<0.00668	<0.00669	<0.00675	<0.00686	<0.00671	<0.0066	<0.034
Aroclor 1260	1	<0.0078	**0.0209 J**	**0.0349**	<0.00801	<0.00783	**0.0224**	<0.034

Notes:

All concentrations are presented in milligrams per kilogram (mg/kg)
NA - Not analyzed
NGV - No guidance value
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per 6NYCRR Part 375-6 Effective December 14, 2006
SB-201 (4') is duplicate of SB-20(4')

Table 4
SOIL ANALYTICAL RESULTS - METALS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SUR-1	SUR-2	SUR-3	SB-2	SB-3	SB-3	SB-4	SB-5B	SB-7	SB-9	SB-9
Parameter	NYSDEC SCO	SB-1 SURFACE	SB-2 SURFACE	SB-3 SURFACE (A)	SB-2 (6-8')	SB-3 SURFACE	SB-3 (4-6')	SB-4 (6-8')	SB-5B (1-2')	SB-7 (4-5')	SB-9 SURFACE	SB-9 (6-8')
Sample Date		6/18/2007	6/18/2007	6/18/2007	4/11/2006	4/11/2006	4/11/2006	4/11/2006	4/12/2006	4/12/2006	4/12/2006	4/12/2006
Aluminum	NGV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NGV	NA	NA	NA	NA	<2.6	NA	NA	<2.7	<2.6	<2.4	NA
Arsenic	16	2.08 J	3.67	<1.26	NA	5	NA	NA	3	3	2.5	NA
Barium	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	72	0.302 J	0.181 J	0.235 J	NA	<0.65	NA	NA	<0.68	<0.65	<0.61	NA
Cadmium	4.3	0.471 J	0.308 J	0.417 J	NA	3	NA	NA	3	3	1.2	NA
Calcium	NGV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	180	15.5	5.51	10.6	NA	31	NA	NA	47	35	15.6	NA
Cobalt	NGV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	270	8.25	3.54	6.11	NA	37	NA	NA	33	28	22.5	NA
Iron	NGV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	21.9	9.21	7	NA	79	NA	NA	17	31	86.3	NA
Mercury	0.81	0.0417 J	0.0144 J	0.0251 J	NA	0.068	NA	NA	<0.044	<0.043	0.22	NA
Magnesium	NGV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	310	8.81	3.87	7.16	NA	25	NA	NA	36	28	9	NA
Potassium	NGV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	180	NA	NA	NA	NA	<2.6	NA	NA	<2.7	<2.6	<2.4	NA
Silver	180	NA	NA	NA	NA	<1.3	NA	NA	<1.4	<1.3	<1.2	NA
Sodium	NGV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NGV	NA	NA	NA	NA	<1.3	NA	NA	<1.4	<1.3	<1.2	NA
Vanadium	NGV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	39.8	4.98	30.6	NA	131	NA	NA	95	112	102	NA

Notes:
All values are listed in milligrams per kilogram (mg/kg)
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per NYCRR Part 375-6 Effective December 14, 2006
NGV - No guidance value
NA - Not analyzed
Shaded - Value exceeds NYSDEC SCOs
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 6010B, 7471A, and 3050B for metals.

Table 4
SOIL ANALYTICAL RESULTS - METALS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-10	SB-11	SB-11	SB-11	SB-12	SB-13	SB-13A	SB-13A	SB-14	SB-15	SB-16
Parameter	NYSDEC SCO	SB-10 SURFACE	SB-10 (10-12')	SB-11 SURFACE	SB-11 (2-4')	SB-12 (8-10')	SB-13 (6-8')	SB-13A(0-2")	SB-13A(4')	SB-14 (4')	SB-15 (4')	SB-16(0-2")
Sample Date		4/12/2006	4/12/2006	4/12/2006	4/12/2006	4/11/2006	4/11/2006	6/18/2007	6/20/2007	6/19/2007	6/19/2007	6/18/2007
Aluminum	NGV	NA	NA	NA	NA	NA	NA	3,590	39,800	NA	NA	7,630
Antimony	NGV	<2.2	<2.9	<2.5	NA	<3.1	<2.6	<0.903	<1.19	NA	NA	<1.02
Arsenic	16	3.2	3	<2.5	NA	<3.1	2.6	1.71 J	1.79 J	1.48 J	2.66 J	4.22
Barium	400	NA	NA	NA	NA	NA	NA	22.1	291	NA	NA	112
Beryllium	72	<0.54	<0.74	<0.61	NA	<0.77	<0.65	0.166 J	1.26	1.43	1.18	0.318 J
Cadmium	4.3	1.2	3	1.6	NA	4.2	2.1	0.437 J	0.974	1.16	1.19	0.963
Calcium	NGV	NA	NA	NA	NA	NA	NA	54,200	7,340	NA	NA	10,000
Chromium	180	9.8	39.4	17.1	NA	65.4	23.6	9.66	60.3	74.4	62.7	17.4
Cobalt	NGV	NA	NA	NA	NA	NA	NA	2.4	20.1	NA	NA	4.03
Copper	270	12.9	33.9	16.1	NA	48.1	21.1	11.2	31.8	42	34.4	20
Iron	NGV	NA	NA	NA	NA	NA	NA	7,640	45,400	NA	NA	11,800
Lead	400	47.5	8.7	93	NA	7.5	6.7	47.8	18.5	14.3	20.3	251
Mercury	0.81	<0.035	<0.047	0.12	NA	<0.049	<0.041	0.0168 J	0.0368 J	0.0215 J	0.0427 J	0.16
Magnesium	NGV	NA	NA	NA	NA	NA	NA	27,600	13,900	NA	NA	5,760
Manganese	2,000	NA	NA	NA	NA	NA	NA	211	774	NA	NA	275
Nickel	310	9.1	34.7	12.4	NA	45.6	20	6.1	40.4	49.5	39.5	9.1
Potassium	NGV	NA	NA	NA	NA	NA	NA	1,330	9,630	NA	NA	2,030
Selenium	180	<2.2	<2.9	<2.5	NA	<3.1	<2.6	<0.979	<1.29	NA	NA	<1.1
Silver	180	<1.1	<1.5	<1.2	NA	<1.5	<1.3	<0.17	0.68	NA	NA	0.255 J
Sodium	NGV	NA	NA	NA	NA	NA	NA	122	457	NA	NA	226
Thallium	NGV	<1.1	<1.5	<1.2	NA	<1.5	<1.3	<0.95	2.05 J	NA	NA	<1.07
Vanadium	NGV	NA	NA	NA	NA	NA	NA	11.3	87.1	NA	NA	18.3
Zinc	10,000	26.5	81	97.7	NA	123	39.7	59.2	118	135	117	288

Notes:
All values are listed in milligrams per kilogram (mg/kg)
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per NYCRR Part 375-6 Effective December 14, 2006
NGV - No guidance value
NA - Not analyzed
Shaded - Value exceeds NYSDEC SCOs
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 6010B, 7471A, and 3050B for metals.

Table 4
SOIL ANALYTICAL RESULTS - METALS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SB-16	SB-17	SB-18	SB-19	SB-20	SB-20	SB-21	UST Area
Parameter	NYSDEC SCO	SB-16 (3')	SB-17 (4')	SB-18 (4')	SB-19 (4')	SB-20 (4')	SB-201 (4')	SB-21(4')	UST-SURFACE
Sample Date		6/19/2007	6/20/2007	6/29/2007	6/29/2007	6/20/2007	6/20/2007	6/29/2007	8/15/2006
Aluminum	NGV	10,700	NA	NA	NA	NA	NA	NA	NA
Antimony	NGV	<1.18	NA	NA	NA	NA	NA	NA	<2.0
Arsenic	16	5.82	2.54	4.33	4.63	2.97	2.86	5.63	2.2
Barium	400	292	NA	NA	NA	NA	NA	NA	NA
Beryllium	72	0.628 J	1.03	0.99	0.945	0.907	0.9	1.03	<0.50
Cadmium	4.3	1.37	0.993	2.16	1.97	1.02	0.94	1.89	1.5
Calcium	NGV	21,100	NA	NA	NA	NA	NA	NA	NA
Chromium	180	35.3	42.9	NA	NA	48	45.7	NA	13.0
Cobalt	NGV	5.97	NA	NA	NA	NA	NA	NA	NA
Copper	270	78	31.7	33.4	37.5	25.2	22.6	39	26.3
Iron	NGV	18,400	NA	NA	NA	NA	NA	NA	NA
Lead	400	480	32.9	85.8	124	80.1	63.4	160	143
Mercury	0.81	0.898	0.0258 J	0.135	0.12 J	0.134	0.0842 J	0.161	0.075
Magnesium	NGV	11,000	NA	NA	NA	NA	NA	NA	NA
Manganese	2,000	306	NA	NA	NA	NA	NA	NA	NA
Nickel	310	13.7	36.7	30.2	28.3	29	27.5	31.1	9.0
Potassium	NGV	2,560	NA	NA	NA	NA	NA	NA	NA
Selenium	180	<1.28	NA	NA	NA	NA	NA	NA	<2.0
Silver	180	0.794	NA	NA	NA	NA	NA	NA	<1.0
Sodium	NGV	284	NA	NA	NA	NA	NA	NA	NA
Thallium	NGV	<1.24	NA	NA	NA	NA	NA	NA	<1.0
Vanadium	NGV	24.7	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	401	77.2	115	126	113	106	140	140

Notes:
All values are listed in milligrams per kilogram (mg/kg)
NYSDEC SCOs - New York State Department of Environmental Conservation, Soil Cleanup Objectives for restricted residential land use per NYCRR Part 375-6 Effective December 14, 2006
NGV - No guidance value
NA - Not analyzed
Shaded - Value exceeds NYSDEC SCOs
All soil samples analyzed in accordance with United States Environmental Protection Agency Method 6010B, 7471A, and 3050B for metals.
SB-201 (4') is duplicate of SB-20(4')

Table 5
SEDIMENT ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
Parameter	NYSDEC TGSCS	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
Sample Date		10/26/2006	10/26/2006	10/26/2006	10/26/2006	6/18/2007	6/18/2007	6/18/2007	6/18/2007
Acetone	--	NA	NA	NA	NA	**0.027 J**	**0.047**	**0.03 J**	<0.01
Ethylbenzene	0.48	<0.0024	<0.0024	<0.0018	<0.0016	<0.002	<0.002	<0.002	**0.002 J**
Toluene	0.98	<0.0024	<0.0024	<0.0018	<0.0016	<0.002	<0.002	<0.002	**0.003 J**
Xylene (total)	1.84	<0.0048	<0.0048	<0.0037	<0.0032	<0.002	<0.002	<0.002	**0.012**

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
Xylene (total) - Sum of m, p-xylenes and o-xylenes
J - Laboratory estimated value
Assumes a total organic carbon content of 2%
NYSDEC TGSCS - New York State Department of Environmental Conservation Sediment Criteria per Technical Guidance for Screening Contaminated Sediments

Table 6
SEDIMENT ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
Parameter	NYSDEC	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
Sample Date	TGSCS	10/26/2006	10/26/2006	10/26/2006	10/26/2006	6/18/2007	6/18/2007	6/18/2007	6/18/2007
Phenol	0.01	NA	NA	NA	NA	<0.27	<0.061	<0.05	0.82
Acenaphthene	2.8	<0.11	0.0738 J	<0.120	<0.087	<0.27	<0.061	<0.05	<0.046
Anthracene	2.14	0.0578 J	2.14	0.0402 J	0.0509 J	<0.27	<0.061	<0.05	<0.046
Benzo(a)anthracene	0.24	0.258	5.63	0.173	0.159	<0.27	0.066 J	0.072 J	<0.046
Benzo(a)pyrene	0.026	0.264	4.54	0.168	0.164	<0.27	0.068 J	0.072 J	<0.046
Benzo(b)fluoranthene	0.026	0.249	4.67	0.173	0.137	<0.27	0.079 J	0.077 J	<0.046
Benzo(g,h,i)perylene	--	0.207	0.988	0.158	0.0762 J	<0.27	<0.061	<0.05	<0.046
Benzo(k)fluoranthene	0.026	0.157	3.37	0.124	0.125	<0.27	<0.061	<0.05	<0.046
Chrysene	0.026	0.26	5.23	0.182	0.178	<0.27	0.067 J	0.077 J	<0.046
Dibenzo(a,h)anthracene	--	0.0535 J	0.747	0.0504 J	0.315 J	<0.27	<0.061	<0.05	<0.046
bis(2-Ethylhexyl)phthalate	3.99	NA	NA	NA	NA	<0.54	<0.12	<0.1	0.46 J
Fluoranthene	20.4	0.372	9.85	0.280	0.273	0.33 J	0.11 J	0.13 J	<0.046
Fluorene	0.16	<0.11	0.381	<0.12	0.229 J	<0.27	<0.061	<0.05	<0.046
Indeno(1,2,3-cd)pyrene	0.026	0.187	1.42	0.129	0.0842 J	<0.27	<0.061	<0.05	<0.046
Naphthalene	0.6	<0.11	0.0695 J	<0.12	<0.087	<0.27	<0.061	<0.05	<0.046
Phenanthrene	2.4	0.132	5.72	0.140	0.136	<0.27	<0.061	0.055 J	<0.046
Pyrene	19.22	0.436	6.69	0.332	0.287	0.28 J	0.1 J	0.13 J	<0.046

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
J - Laboratory estimated value
Assumes a total organic carbon content of 2%
NYSDEC TGSCS - New York State Department of Environmental Conservation Sediment Criteria per Technical Guidance for Screening Contaminated Sediments

Table 7
SEDIMENT ANALYTICAL DATA - PESTICIDES AND PCBS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location		SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
Parameter	NYSDEC TGSCS	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
Sample Date		10/26/2006	10/26/2006	10/26/2006	10/26/2006	6/18/2007	6/18/2007	6/18/2007	6/18/2007
Pesticides									
gamma-Chlordane	**0.0006**	<0.0022	<0.0024	<0.0023	<0.0017	**0.0017 J**	<0.0018	<0.0015	<0.0014
Dieldrin	**0.18**	<0.0022	<0.0024	<0.0023	<0.0017	**0.00057 J**	<0.0006	<0.0005	<0.00046
4,4'-DDD	**0.00002**	<0.0022	<0.0024	<0.0023	<0.0017	<0.00054	<0.0006	**0.0019 J**	<0.00046
4,4'-DDE	**0.00002**	<0.0022	<0.0024	<0.0023	**0.0021**	**0.00069 J**	**0.00065 J**	**0.0024 J**	<0.00046
4,4'-DDT	**0.00002**	<0.0022	<0.0024	<0.0023	<0.0017	<0.00054	<0.0006	**0.00054 J**	<0.00046
Endosulfan sulfate	**0.0006**	<0.0022	<0.0024	<0.0023	<0.0017	<0.00054	<0.0006	<0.0005	**0.0008 J**
PCBs									
Aroclor 1254	**0.028**	<0.055	<0.059	<0.058	<0.042	<0.00878	<0.00987	**0.0136 J**	<0.0075

Notes:
All concentrations are presented in milligrams per kilogram (mg/kg)
J - Laboratory estimated value
All soil samples analyzed in accordance with United States Environmental Protection Agency Methods 8081A and 3545 for pesticides and 8082 and 3545 for
NYSDEC TGSCS - New York State Department of Environmental Conservation Sediment Criteria per Technical Guidance for Screening Contaminated Sediments
PCB - polychlorinated bi-phenyl

Table 8
SEDIMENT ANALYTICAL DATA - METALS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Location			SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
Parameter	NYSDEC TGSCS		SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
Sample Date	LEL	SEL	10/26/2006	10/26/2006	10/26/2006	10/26/2006	6/18/2007	6/18/2007	6/18/2007	6/18/2007
Arsenic	6.0	33.0	<3.3	<3.5	<3.5	<2.6	<1.49	1.76 J	<1.4	<1.27
Beryllium	--	--	<0.83	<0.89	<0.89	<0.65	0.199 J	0.264 J	0.181 J	0.144 J
Cadmium	0.6	9.0	<0.83	<0.89	<0.89	1.8	0.421 J	0.599 J	0.421 J	0.315 J
Chromium	16.0	110	15.5	17.7	14.0	8.1	10.5	14.2	9.17	7.72
Copper	31.0	110	12.5	33.0	17.1	14.0	6.65	10.3	5.01	4.03
Lead	460	1100	18.3	144	66.8	19.5	10	19.2	12.8	7.66
Mercury	0.15	1.3	0.2	0.3	0.076	<0.040	0.0723 J	0.0988 J	0.0394 J	0.0183 J
Nickel	16.0	50.0	7.3	9.2	9.4	5.3	5.43	7.12	4.98	4.46
Zinc	120	270	48.1	235	118	43.2	41.4	66.5	45.3	29

Notes:
All values are listed in milligrams per kilogram (mg/kg)
J - Laboratory estimated value
NA - Not analyzed
LEL - Lowest Effect Level
SEL - Severe Effect Level
NYSDEC TGSCS - New York State Department of Environmental Conservation Sediment Criteria per Technical Guidance for Screening Contaminated Sediments

Table 9
MONITORING WELL GAUGING DATA

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York
October 26, 2006 through September 21, 2007

Well ID	Date	DTB	DTW	TOC Elevation	Water Table Elevation
MW-1	26-Oct-06	22.77	2.78	99.45	96.67
	22-Jan-07	23.15	3.46	99.45	95.99
	19-Jun-07	23.20	3.98	98.14	94.16
	29-Jun-07	23.16	4.54	98.14	93.60
	21-Sep-07	23.16	6.00	98.14	92.14
MW-2	26-Oct-06	22.09	3.08	99.82	96.74
	22-Jan-07	22.09	3.66	99.82	96.16
	19-Jun-07	22.20	4.33	98.54	94.21
	29-Jun-07	22.00	4.81	98.54	93.73
	21-Sep-07	22.00	6.34	98.54	92.20
MW-3	26-Oct-06	22.75	3.10	99.72	96.62
	22-Jan-07	22.75	3.70	99.72	96.02
	29-Jun-07	22.70	4.23	98.44	94.21
	19-Jun-07	22.70	4.23	98.44	94.21
	21-Sep-07	22.70	6.39	98.44	92.05
MW-4	26-Oct-06	23.01	3.26	99.90	96.64
	22-Jan-07	23.01	4.36	99.90	95.54
	19-Jun-07	23.75	4.44	98.60	94.16
	29-Jun-07	14.78	4.81	98.60	93.79
	21-Sep-07	14.78	6.50	98.60	92.10
MW-5	26-Oct-06	14.74	3.08	99.82	96.74
	22-Jan-07	14.70	3.73	99.82	96.09
	19-Jun-07	15.47	4.28	98.48	94.20
	29-Jun-07	23.88	4.96	98.48	93.52
	21-Sep-07	23.88	6.37	98.48	92.11
MW-6	26-Oct-06	23.03	2.93	99.69	96.76
	22-Jan-07	23.00	3.37	99.69	96.32
	19-Jun-07	23.05	4.02	98.23	94.21
	29-Jun-07	23.10	4.54	98.23	93.69
	21-Sep-07	23.10	6.15	98.23	92.08
MW-7	29-Jun-07	15.84	5.44	99.11	93.67
	21-Sep-07	15.84	7.17	99.11	91.94
MW-8	29-Jun-07	19.65	3.25	96.43	93.18
	21-Sep-07	19.65	4.2	96.43	92.23
MW-9	29-Jun-07	15.96	4.51	97.58	93.07
	21-Sep-07	15.96	5.46	97.58	92.12

Notes:
DTB - (Depth of monitoring well - feet below top of casing)
DTW - (Depth to groundwater - feet below top of casing)
Monitoring well survey data was collected on October 26, 2006 and September 21, 2007
NS - Not sampled
NA - Not applicable
TOC Elevation - Top of casing elevation relative to an arbitrary datum
Water Table Elevation - (TOC Elevation - DTW)

Table 10
GROUNDWATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Parameter	NYSDEC WQS	MW-1		MW-2		MW-3		MW-4	
Sample Date		10/26/2006	1/22/2007	10/26/2006	1/22/2007	10/26/2006	1/22/2007	10/26/2006	1/22/2007
Acetone	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	<1.0	<1.0	<1.0	<1.0	3,060	1,250	3,800	4,120
2-Butanone	NGV	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	5	<5.0	<5.0	<5.0	<5.0	<250	<100	<100	<100
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0	906	453	1,040	558
Isopropylbenzene	5	<2.0	<2.0	<2.0	<2.0	28.3 J	11.9 J	27.2 J	11.0 J
p-Isopropyltoluene	5	<5.0	<5.0	<5.0	<5.0	<250	<100	<100	<100
Methyl Tert Butyl Ether	10	3.3	1.1	0.52 J	<1.0	207	64.6	184	110
4-Methyl-2-pentanone	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	<5.0	<5.0	<5.0	<5.0	288	80.6 J	275	95.8 J
n-Propylbenzene	5	<5.0	<5.0	<5.0	<5.0	84.7 J	31.8 J	68.1 J	25.8 J
Toluene	5	<1.0	<1.0	<1.0	<1.0	11,700	2,390	8,990	2,420
1,2,4-Trimethylbenzene	5	<5.0	<5.0	<5.0	<5.0	1,320	557	904	391
1,3,5-Trimethylbenzene	5	<5.0	<5.0	<5.0	<5.0	344	227	236	102
m,p-Xylene	5	<1.0	<1.0	<1.0	<1.0	6,380	2,750	5,020	2,490
o-Xylene	5	<1.0	<1.0	<1.0	<1.0	3,090	1,680	2,390	1,040
Xylene (total)	5	<1.0	<1.0	<1.0	<1.0	9,470	4,430	7,410	3,530
Total BTEX	NGV	BRL	BRL	BRL	BRL	25,136	8,523	21,240	10,628

Notes:
All concentrations are presented in micrograms per liter (ug/L)
J - Indicates laboratory estimated value
NGV- No guidance value
NYSDEC WQS - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values Memorandum, June 1998 (Addendum June 2000)
Total BTEX - Rounded sum of benzene, toluene, ethylbenzene, and total xylenes (including laboratory estimated values)
Xylene (total) - Sum of m, p-xylenes and o-xylenes
BRL - Below reporting limit
Shaded - Value exceeds NYSDEC RSCOs

Table 10
GROUNDWATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Parameter	NYSDEC WQS	MW-5		MW-6		MW-7	MW-8	MW-9	SB-14
Sample Date		10/26/2006	1/22/2007	10/26/2006	1/22/2007	6/25/2007	6/25/2007	6/25/2007	6/19/2007
Acetone	NGV	NA	NA	NA	NA	8 J	<6	<6	<6
Benzene	1	598	289	0.70 J	<1.0	<0.5	<0.5	<0.5	<0.5
2-Butanone	NGV	NA	NA	NA	NA	<3	12	<3	<3
sec-Butylbenzene	5	3.3 J	<10	<5.0	<5.0	NA	NA	NA	NA
Ethylbenzene	5	269	29.0	<1.0	<1.0	<0.8	<0.8	<0.8	<0.8
Isopropylbenzene	5	21.0	2.7 J	<2.0	<2.0	NA	NA	NA	NA
p-Isopropyltoluene	5	2.1 J	0.90 J	<5.0	<5.0	NA	NA	NA	NA
Methyl Tert Butyl Ether	10	643	72.7	4.6	0.71 J	NA	NA	NA	NA
4-Methyl-2-pentanone	NGV	NA	NA	NA	NA	<3	5 J	<3	<3
Naphthalene	10	72.6	30.1	<5.0	<5.0	NA	NA	NA	NA
n-Propylbenzene	5	47.2	4.5 J	<5.0	<5.0	NA	NA	NA	NA
Toluene	5	75.1	63.2	2.4	<1.0	<0.7	<0.7	<0.7	<0.7
1,2,4-Trimethylbenzene	5	398	110	<5.0	<5.0	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	135	37.4	<5.0	<5.0	NA	NA	NA	NA
m,p-Xylene	5	598	266	1.0	<1.0	NA	NA	NA	NA
o-Xylene	5	343	182	0.52 J	<1.0	NA	NA	NA	NA
Xylene (total)	5	941	448	1.5	<1.0	<0.8	<0.8	<0.8	<0.8
Total BTEX	NGV	1,883	829	4.6	BRL	NA	NA	NA	BRL

Notes:
All concentrations are presented in micrograms per liter (ug/L)
J - Indicates laboratory estimated value
NGV- No guidance value
NYSDEC WQS - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values Memorandum, June 1998 (Addendum June 2000)
Total BTEX - Rounded sum of benzene, toluene, ethylbenzene, and total xylenes (including laboratory estimated values)
Xylene (total) - Sum of m, p-xylenes and o-xylenes
BRL - Below reporting limit
Shaded - Value exceeds NYSDEC RSCOs

Table 11
GROUNDWATER ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Parameter	NYSDEC WQS	MW-1		MW-2		MW-3		MW-4	
Sample Date		10/26/2006	1/22/2007	10/26/2006	1/22/2007	10/26/2006	1/22/2007	10/26/2006	1/22/2007
Naphthalene	**10**	<2.0	<2.0	<2.0	<2.0	**175**	**54.0**	**193**	**194**

Notes:
All concentrations are presented in micrograms per liter (ug/L)
NYSDEC WQS - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values Memorandum, June 1998 (Addendum June 2000)
Shaded - Value exceeds NYSDEC RSCOs

Table 11
GROUNDWATER ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Parameter	NYSDEC WQS	MW-5		MW-6		MW-7	MW-8	MW-9	SB-14
Sample Date		10/26/2006	1/22/2007	10/26/2006	1/22/2007	6/25/2007	6/25/2007	6/25/2007	6/19/2007
Naphthalene	10	27.2	76.4	<2.0	<2.0	<1	<1	<1	<1

Notes:
All concentrations are presented in micrograms per liter (ug/L)
NYSDEC WQS - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values Memorandum, June 1998 (Addendum June 2000)
Shaded - Value exceeds NYSDEC RSCOs

Table 12
GROUNDWATER ANALYTICAL DATA - PESTICIDES AND PCBS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Parameter	NYSDEC WQS	MW-1		MW-2		MW-3		MW-4	
Sample Date		10/26/2006	1/22/2007	10/26/2006	1/22/2007	10/26/2006	1/22/2007	10/26/2006	1/22/2007
Pesticides									
gamma-BHC (Lindane)	**0.05**	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Endosulfan-II	**0.1**	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Notes:
All concentrations are presented in micrograms per liter (ug/L)
6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations
NYSDEC WQS - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values Memorandum, June 1998 (Addendum June 2000)
NS - Not sampled
PCB - polychlorinated biphenyls - not detected above method detection limit

Table 12
GROUNDWATER ANALYTICAL DATA - PESTICIDES AND PCBS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Parameter	NYSDEC WQS	MW-5		MW-6		MW-7	MW-8	MW-9	SB-14
Sample Date		10/26/2006	1/22/2007	10/26/2006	1/22/2007	6/25/2007	6/25/2007	6/25/2007	6/19/2007
Pesticides									
gamma-BHC (Lindane)	**0.05**	<0.020	<0.020	<0.020	<0.020	<0.002	**0.0022 J**	<0.0019	<0.002
Endosulfan-II	**0.1**	<0.020	<0.020	<0.020	<0.020	<0.0039	**0.0063 J**	<0.0038	<0.004

Notes:
All concentrations are presented in micrograms per liter (ug/L)
6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations
NYSDEC WQS - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values Memorandum, June 1998 (Addendum June 2000)
NS - Not sampled
PCB - polychlorinated biphenyls - not detected above method detection limit

Table 13
GROUNDWATER ANALYTICAL DATA - METALS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Parameter	NYSDEC WQS	MW-1		MW-2		MW-3		MW-4	
Sample Date		10/26/2006	1/22/2007	10/26/2006	1/22/2007	10/26/2006	1/22/2007	10/26/2006	1/22/2007
Aluminum	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	**11.0**	**16.0**	<8.0	**8.2**	**13.9**	<8.0	**8.4**	<8.0
Barium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	*	**1.1**	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<1.0
Calcium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	**64.9**	**14.8**	**15.1**	<10	**98.1**	<10	**66.9**	**10.7**
Cobalt	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	**72.9**	**31.7**	<25	<25	**117**	<25	**59.1**	<25
Iron	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	**31.0**	**19.3**	**12.1**	<3.0	**59.1**	**5.5**	**28.3**	**6.2**
Magnesium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	**65.0**	<40	<40	<40	**77.6**	<40	**46.5**	<40
Potassium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NGV	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NGV	**156**	**51.9**	**35.6**	<20	**200**	**43.7**	**140**	**32.1**

Notes:

All values listed in micrograms per liter (ug/L)

NYSDEC WQS - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values Memorandum, June 1998 (Addendum June 2000)

Shaded - Value exceeds NYSDEC WQS

* - 11 ug/L, when hardness is less than or equal to 75 ppm; 1,100 ug/L when hardness is greater than 75 ppm

Table 13
GROUNDWATER ANALYTICAL DATA - METALS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Parameter	NYSDEC WQS	MW-5		MW-6		MW-7	MW-8	MW-9	SB-14
Sample Date		10/26/2006	1/22/2007	10/26/2006	1/22/2007	6/25/2007	6/25/2007	6/25/2007	6/19/2007
Aluminum	NGV	NA	NA	NA	NA	10,000	1,720	18,800	18,600
Arsenic	25	<8.0	<8.0	<8.0	<8.0	<10	<10	<10	<10
Barium	NGV	NA	NA	NA	NA	325	135	559	384
Beryllium	*	<1.0	<1.0	<1.0	<1.0	<0.9	<0.9	1 J	<0.9
Calcium	NGV	NA	NA	NA	NA	278,000	169,000	366,000	250,000
Chromium	50	33.0	12.7	18.7	<10	16.5	3.2 J	28.3	37.7
Cobalt	NGV	NA	NA	NA	NA	10.8	<2.1	15.4	13.2
Copper	200	63.3	<25	<25	<25	15.8	7.1 J	23.4	31.6
Iron	NGV	NA	NA	NA	NA	13,800	1,840	23,100	22,600
Lead	25	24.3	5.5	7.8	<3.0	9.2 J	6.9 J	22.9	16.9
Magnesium	NGV	NA	NA	NA	NA	90,100	76,300	108,000	81,400
Manganese	NGV	NA	NA	NA	NA	1,510	213	1,470	1,780
Nickel	100	<40	<40	<40	<40	18.4	<5.6	30.8	36.2
Potassium	NGV	NA	NA	NA	NA	8,110	7,250	9,190	10,700
Sodium	NGV	NA	NA	NA	NA	69,500	65,600	178,000	137,000
Vanadium	NGV	NA	NA	NA	NA	21.1	4.1 J	45	44.2
Zinc	NGV	92.7	35.6	45.3	<20	41.7	131	92.3	89.8

Notes:

All values listed in micrograms per liter (ug/L)

NYSDEC WQS - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values Memorandum, June 1998 (Addendum June 2000)

Shaded - Value exceeds NYSDEC WQS

* - 11 ug/L, when hardness is less than or equal to 75 ppm; 1,100 ug/L when hardness is greater than 75 ppm

Table 14
SOIL GAS ANALYTICAL DATA - ORGANICS

Former Martin's Gulf Station
Chateaugay and Salmon Street
Fort Covington, New York

Parameter	SG-1	SG-2	Ambient
tert-Butyl Alcohol	3.2 J	3.7 J	<0.2
Propene	230	170	0.65 J
Dichlorodifluoromethane	<2	<2	0.45 J
Chlorodifluoromethane	<2	<2	0.21 J
Freon 114	<2	<2	<0.2
Chloromethane	<2	<2	0.82 J
Chloroethane	<2	<2	0.23 J
Trichlorofluoromethane	<2	<2	0.21 J
Pentane	11	9.2 J	0.21 J
Acetone	520	650	10
Hexane	14	12	<0.2
2-Butanone	3,500	3,500	2.5
Ethyl Acetate	<2	<2	<0.2
Methyl Acrylate	<2	<2	<0.2
Chloroform	<2	<2	<0.2
1,1,1-Trichloroethane	<2	<2	<0.2
Carbon Tetrachloride	<2	<2	<0.2
1,2-Dichloroethane	<2	<2	<0.2
Benzene	<2	<2	<0.2
Isooctane	<2	<2	<0.2
Heptane	6.8 J	<2	0.82 J
Toluene	3.1 J	2.5 J	0.67 J
Octane	16	16	<0.2
Tetrachloroethene	3.7 J	20	<0.2
2-Hexanone	260	230	<0.5
Ethylbenzene	2.4 J	<2	0.23 J
m/p-Xylene	7.3 J	6.2 J	0.67 J
o-Xylene	2.5 J	2.3 J	0.24 J
4-Ethyltoluene	2.5 J	2.6 J	<0.2
Alpha Methyl Styrene	<2	<2	0.67 J
1,2,4-Trimethylbenzene	2.5 J	3.1 J	<0.2
1,4-Dichlorobenzene	<2	<2	0.68 J

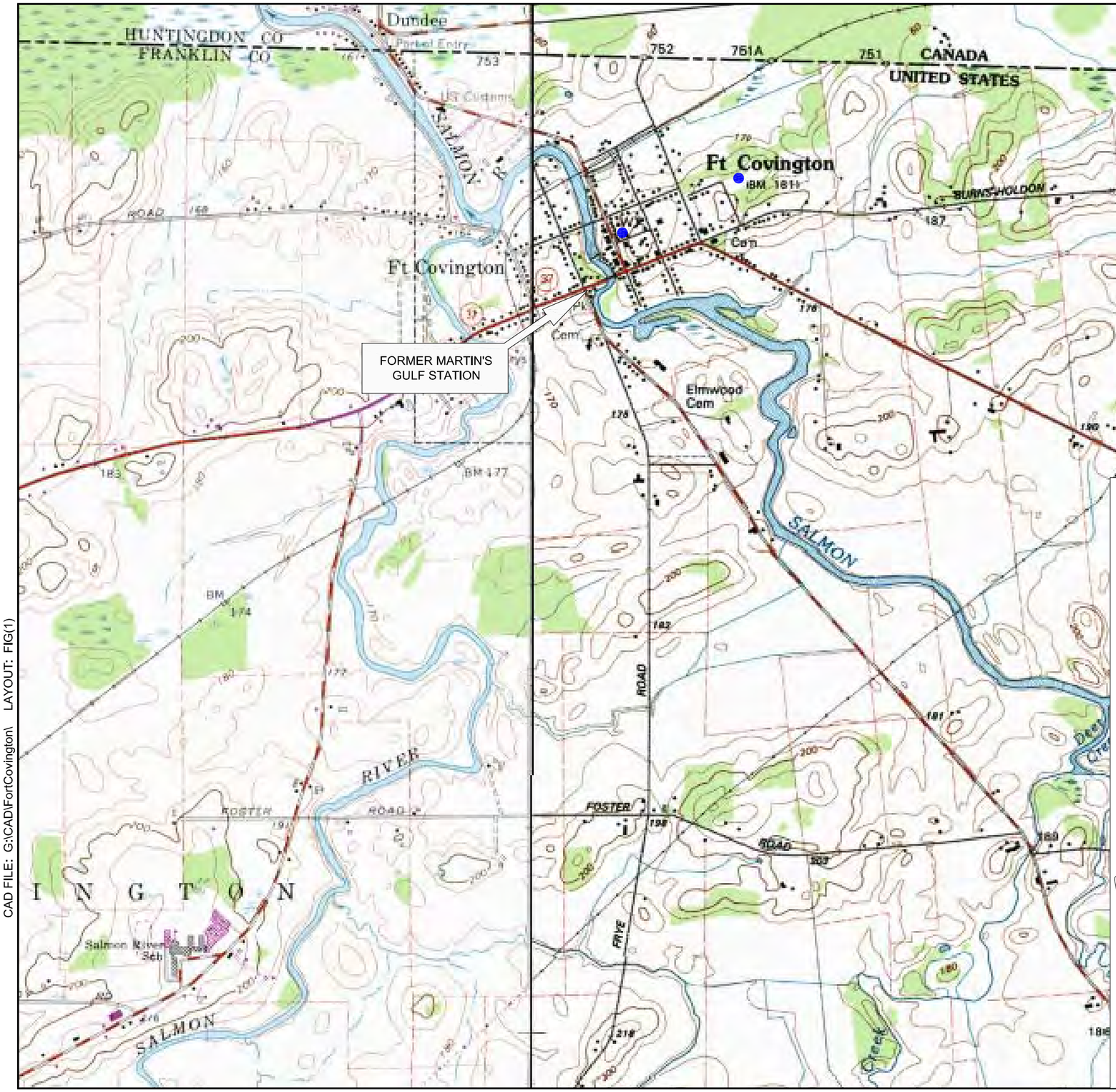
Notes:

All values listed in ppb(v) (parts per billion by volume).

J - Indicates laboratory estimated value

All soil gas and ambient air samples were analyzed in accordance with United States Environmental Protection Agency Method ETO-15.

Figures



LEGEND

APPROXIMATE LOCATION OF MUNICIPAL WATER SUPPLY WELLS

N

SCALE IN FEET

0 2,000 4,000

LATITUDE: 44° 59' 17" N

LONGITUDE: 74° 29' 48" W

REFERENCES:

1. USGS 7.5' TOPOGRAPHIC MAPS "BOMBAY, NY-QUE QUADRANGLE, PHOTOREVISED 1993" AND "FORT COVINGTON, NY-QUE QUADRANGLE, PHOTOREVISED 1987" PROVIDED BY MAPTECH INC.
2. KLEINFELDER FIELD RESEARCH.

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PROJ. NO. 69968 | ACAD FILE: SITE PLAN.dwg | DESIGNED BY:
DRAWN BY: JL | CHECKED BY: JL

LOCUS PLAN

FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

DATE: 10/05/2007

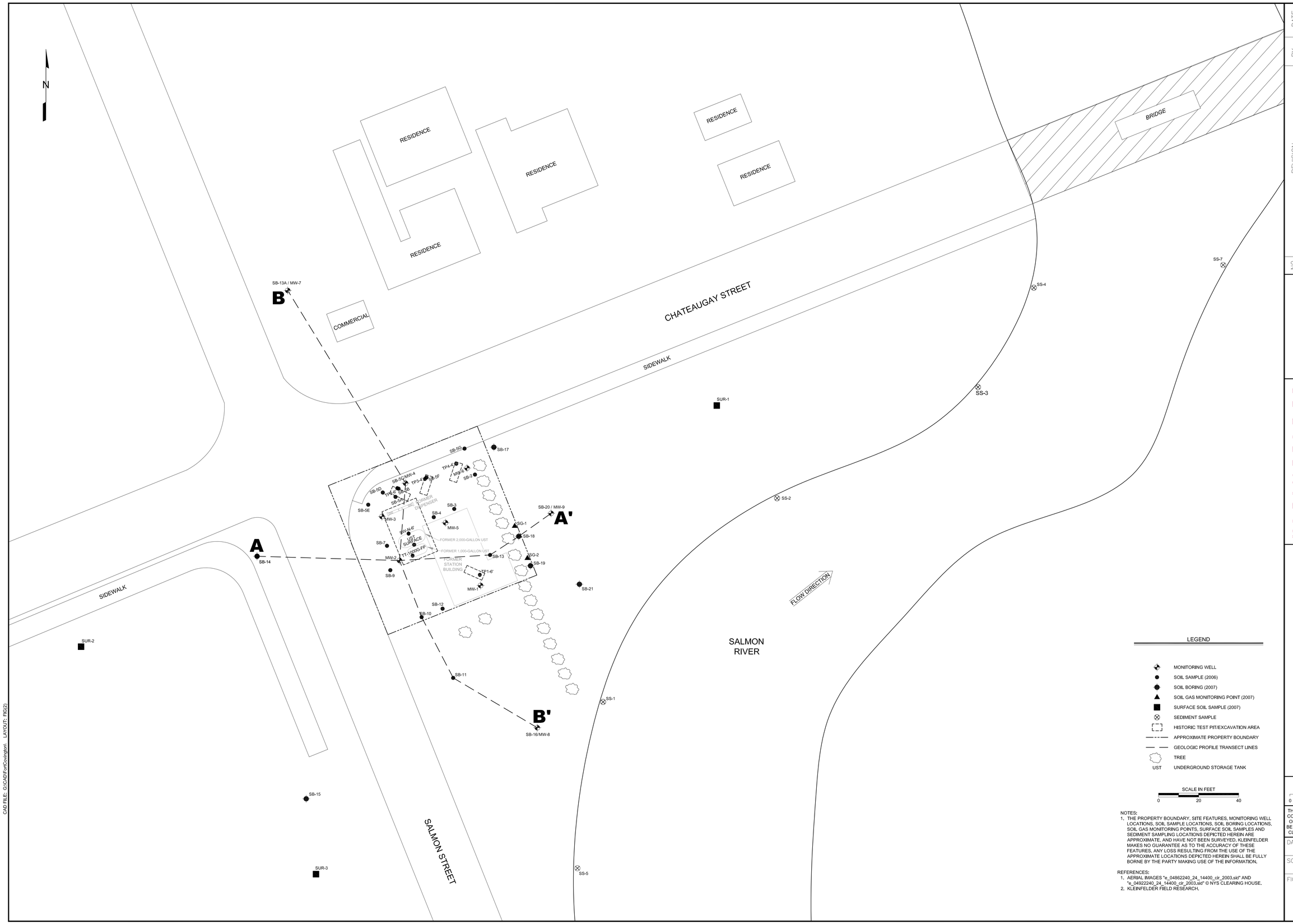
SCALE: 1:2,000

FIGURE **1**

1 of **12** sheets

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(1)

PLOTTED: 04 Oct 2007, 11:01am, JLubbers



NOTES:
1. THE PROPERTY BOUNDARY, SITE FEATURES, MONITORING WELL LOCATIONS, SOIL SAMPLE LOCATIONS, SOIL BORING LOCATIONS, SOIL GAS MONITORING POINTS, SURFACE SOIL SAMPLES AND SEDIMENT SAMPLING LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.

REFERENCES:
1. AERIAL IMAGES "e_04862240_24_14400_clr_2003.sid" AND "e_04922240_24_14400_clr_2003.sid" © NYS CLEARING HOUSE.
2. KLEINFELDER FIELD RESEARCH.

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SITE PLAN

FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

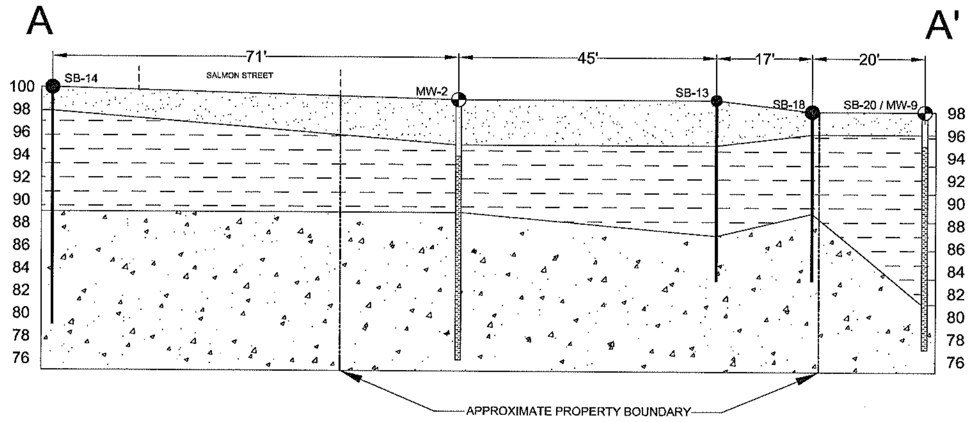
FOR REDUCED PLANS:
ORIGINAL IN INCHES
0 0.5 1.0 1.5 2.0

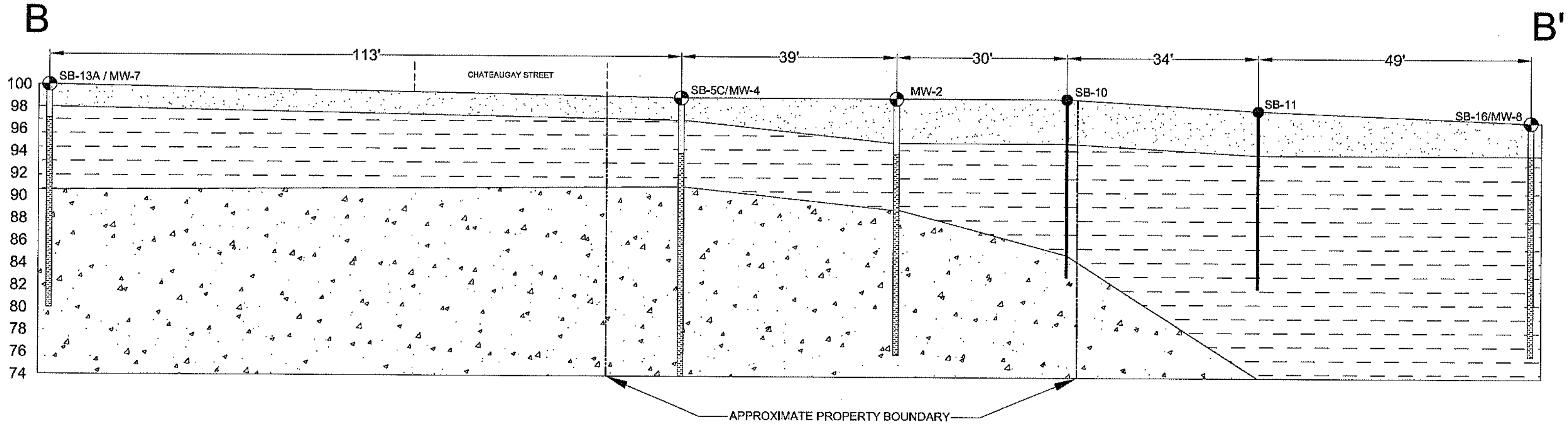
DATE: 10/05/2007

SCALE: 1:20

FIGURE 2

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(2)





LEGEND

- MONITORING WELL
- SOIL SAMPLE (2006)
- SOIL BORING (2007)
- APPROXIMATE PROPERTY BOUNDARY
- SAND
- SILT AND CLAY
- SAND AND GRAVEL

HORIZONTAL SCALE IN FEET

0 10 20

NOTES:

1. THE PROPERTY BOUNDARY, SITE FEATURES, MONITORING WELL LOCATIONS, SOIL SAMPLE LOCATIONS AND SOIL BORING LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.

REFERENCES:

1. AERIAL IMAGES "o_04862240_24_14400_clr_2003.sid" AND "n_04822240_24_14400_clr_2003.sid" © NYS CLEARING HOUSE.
2. KLEINFELDER FIELD RESEARCH.

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69968	SITE PLAN.dwg	
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FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

FOR REDUCED PLANS: ORIGINAL IN INCHES

0 0.5 1.0 1.5 2.0

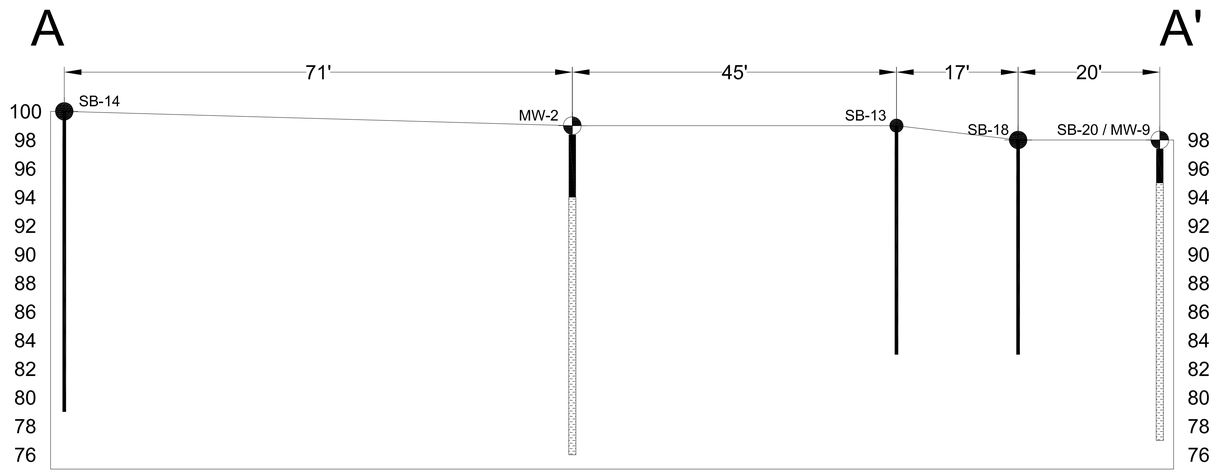
DATE: 10/05/2007

SCALE: 1:20

FIGURE 3

3 of 12 sheets

N



LEGEND

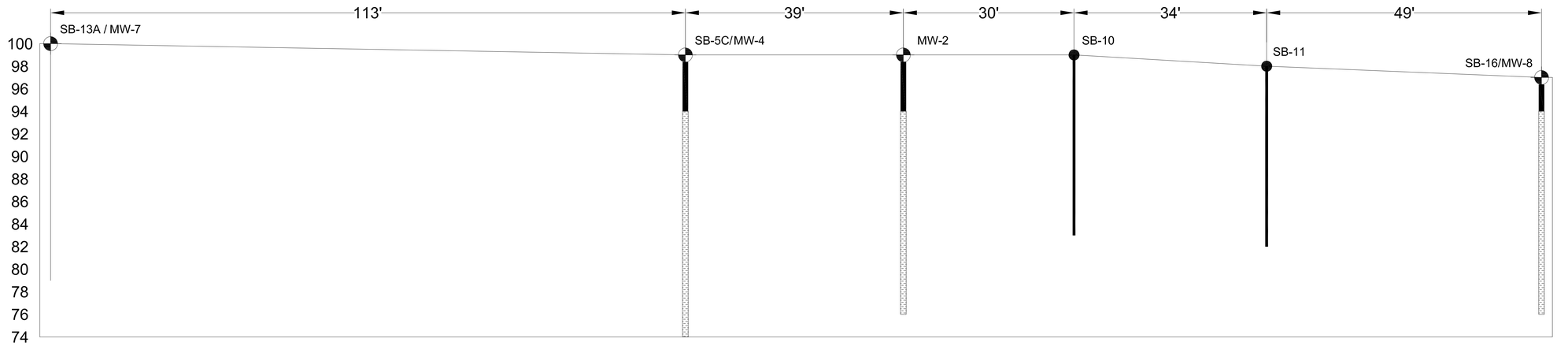
- MONITORING WELL
- SOIL SAMPLE (2006)
- SOIL BORING (2007)
- APPROXIMATE PROPERTY BOUNDARY

HORIZONTAL SCALE IN FEET

0 10 20

NOTES:
1. THE PROPERTY BOUNDARY, SITE FEATURES, MONITORING WELL LOCATIONS, SOIL SAMPLE LOCATIONS AND SOIL BORING LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED, KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES, ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.

REFERENCES:
1. AERIAL IMAGES "e_04862240_24_14400_cir_2003.sid" AND "e_04922240_24_14400_cir_2003.sid" © NYS CLEARING HOUSE.
2. KLEINFELDER FIELD RESEARCH.



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ORIGINAL IN INCHES
0 0.5 1.0 1.5 2.0

DATE: 10/05/2007

SCALE: 1:20

FIGURE
3

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(3)

NOTES:
1. THE PROPERTY BOUNDARY, SITE FEATURES, MONITORING WELL LOCATIONS, SOIL SAMPLE LOCATIONS AND SOIL BORING LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.
2. ONLY PARAMETERS EXCEEDING NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, SOIL CLEANUP OBJECTIVES FOR RESTRICTED RESIDENTIAL LAND USE PER NYCRR PART 375-6 EFFECTIVE DECEMBER 14, 2006 (NYSDEC SCOS) ARE PRESENTED.

REFERENCES:
1. AERIAL IMAGES "e_04862240_24_14400_clr_2003.sid" AND "e_04922240_24_14400_clr_2003.sid" © NYS CLEARING HOUSE.
2. KLEINFELDER FIELD RESEARCH.

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SOIL SAMPLE ANALYTICAL DATA EXCEEDING NYSDEC SCOs

FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

FOR REDUCED PLANS: ORIGINAL IN INCHES
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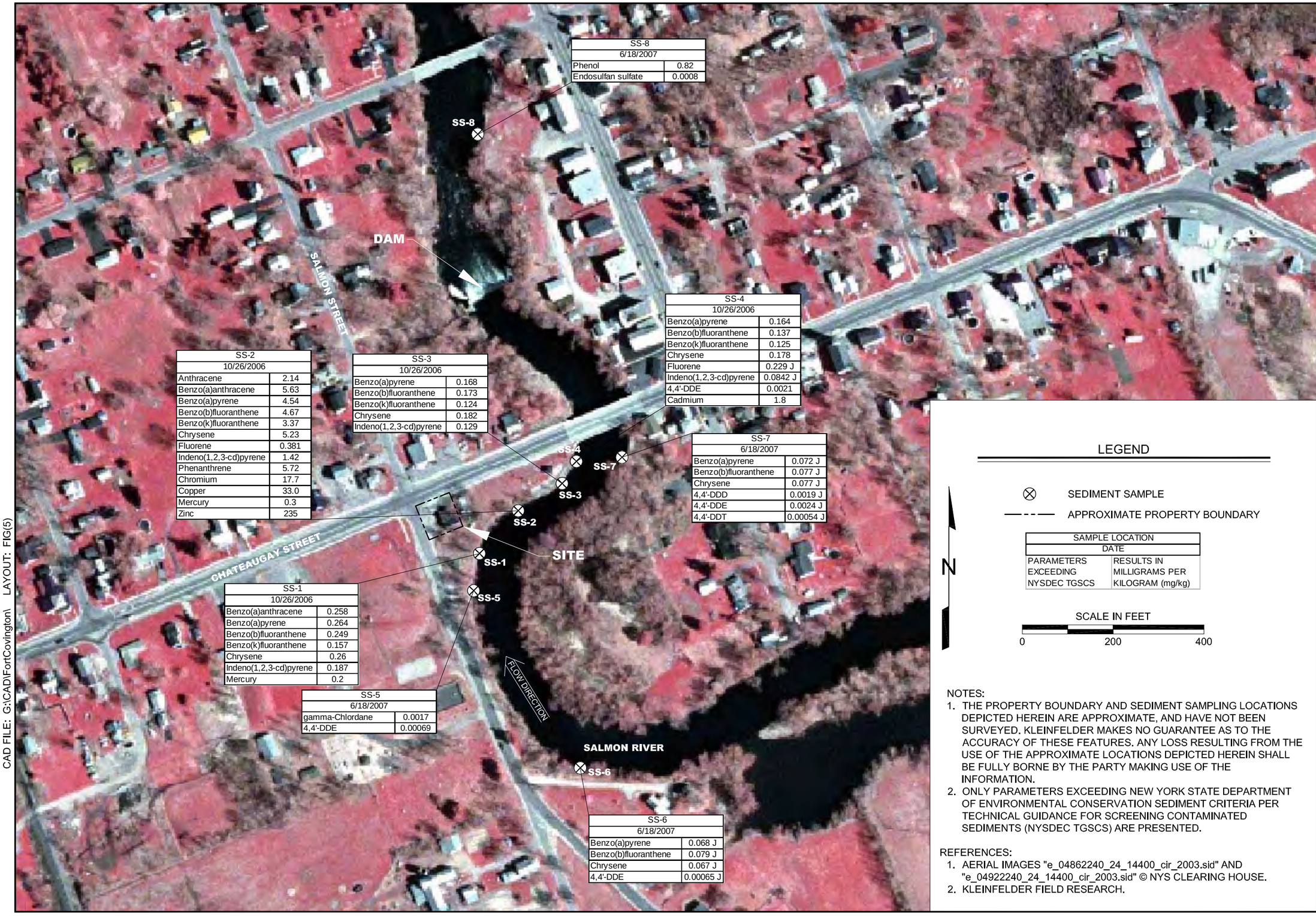
DATE: 10/05/2007
SCALE: 1:20
FIGURE 4

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(4)



LEGEND

⊗ SEDIMENT SAMPLE

APPROXIMATE PROPERTY BOUNDARY

SAMPLE LOCATION	
DATE	
PARAMETERS EXCEEDING NYSDEC TGSCS	RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

N

SCALE IN FEET

0 200 400

NOTES:

1. THE PROPERTY BOUNDARY AND SEDIMENT SAMPLING LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.
2. ONLY PARAMETERS EXCEEDING NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SEDIMENT CRITERIA PER TECHNICAL GUIDANCE FOR SCREENING CONTAMINATED SEDIMENTS (NYSDEC TGSCS) ARE PRESENTED.

REFERENCES:

1. AERIAL IMAGES "e_04862240_24_14400_cir_2003.sid" AND "e_04922240_24_14400_cir_2003.sid" © NYS CLEARING HOUSE.
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RIVER SEDIMENT SAMPLE ANALYTICAL DATA EXCEEDING NYSDEC TGSCS

FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

DATE: 10/05/2007

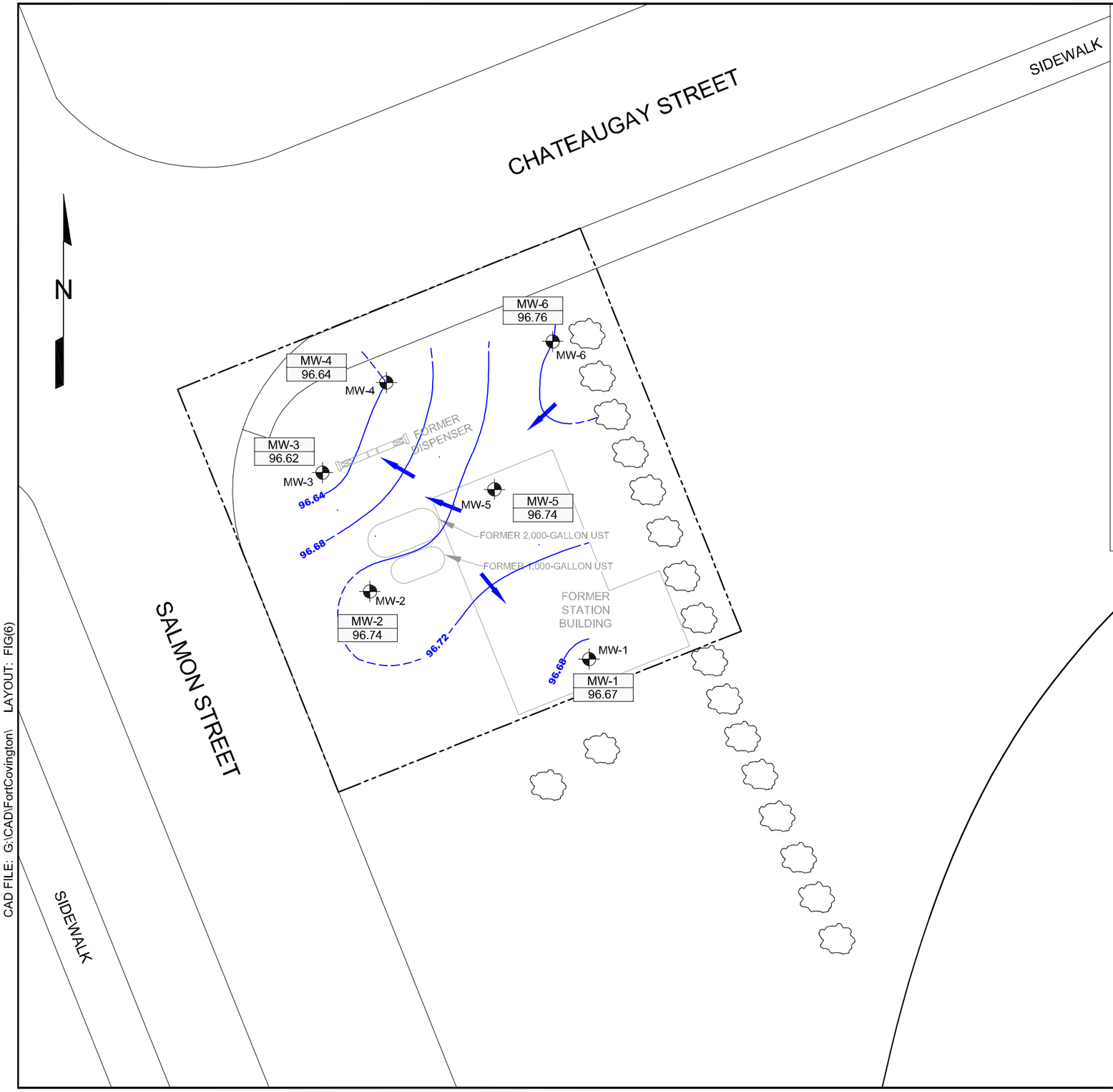
SCALE: 1:200

FIGURE 5

5 of 12 sheets

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(5)

PLOTTED: 04 Oct 2007, 11:12am, JLubbers



LEGEND

- MONITORING WELL
- APPROXIMATE PROPERTY BOUNDARY
- TREE
- UST — UNDERGROUND STORAGE TANK
- MW-1 / 96.67 — MONITORING WELL IDENTIFICATION / WATER-TABLE ELEVATION (FEET)
- ASSUMED GROUNDWATER FLOW DIRECTION
- WATER-TABLE CONTOUR (0.04 FOOT INTERVAL) (DASHED WHERE INFERRED)

SCALE IN FEET

0 20 40

NOTES:

1. THE PROPERTY BOUNDARY, SITE FEATURES AND MONITORING WELL LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.
2. MONITORING WELLS WERE GAUGED AND GROUNDWATER SAMPLES WERE COLLECTED BY KLEINFELDER ON OCTOBER 26, 2006.

REFERENCES:

1. AERIAL IMAGES "e_04862240_24_14400_cir_2003.sid" AND "e_04922240_24_14400_cir_2003.sid" © NYS CLEARING HOUSE.
2. KLEINFELDER FIELD RESEARCH.

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ACAD FILE: SITE PLAN.dwg
DESIGNED BY:
CHECKED BY: JT
PROJ. NO. 69968
DRAWN BY: JL

GROUNDWATER POTENTIOMETRIC SURFACE MAP - OCTOBER 2006

FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

DATE: 10/24/2007

SCALE: 1:20

FIGURE 6

6 of 12 sheets

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(6)

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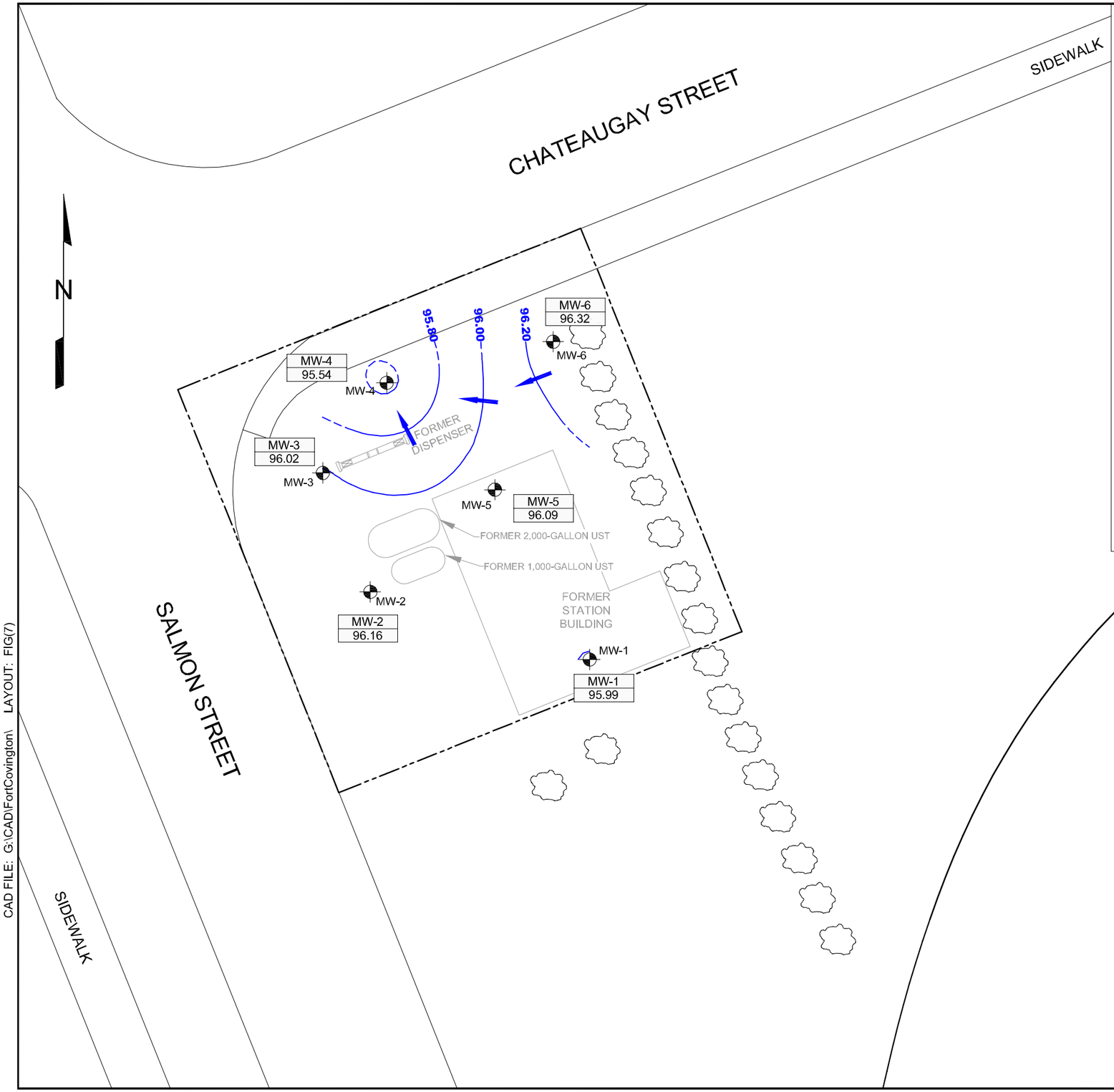

LEGEND

- MONITORING WELL
- APPROXIMATE PROPERTY BOUNDARY
- TREE
- UST — UNDERGROUND STORAGE TANK
- MW-1 / 95.99 — MONITORING WELL IDENTIFICATION / WATER-TABLE ELEVATION (FEET)
- ASSUMED GROUNDWATER FLOW DIRECTION
- WATER-TABLE CONTOUR (0.20 FOOT INTERVAL) (DASHED WHERE INFERRED)

SCALE IN FEET

0 20 40

NOTES:

1. THE PROPERTY BOUNDARY, SITE FEATURES AND MONITORING WELL LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.
2. MONITORING WELLS WERE GAUGED AND GROUNDWATER SAMPLES WERE COLLECTED BY KLEINFELDER ON JANUARY 22, 2007.

REFERENCES:

1. AERIAL IMAGES "e_04862240_24_14400_cir_2003.sid" AND "e_04922240_24_14400_cir_2003.sid" © NYS CLEARING HOUSE.
2. KLEINFELDER FIELD RESEARCH.

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GROUNDWATER POTENTIOMETRIC SURFACE MAP - JANUARY 2007

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CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

DATE: 10/24/2007

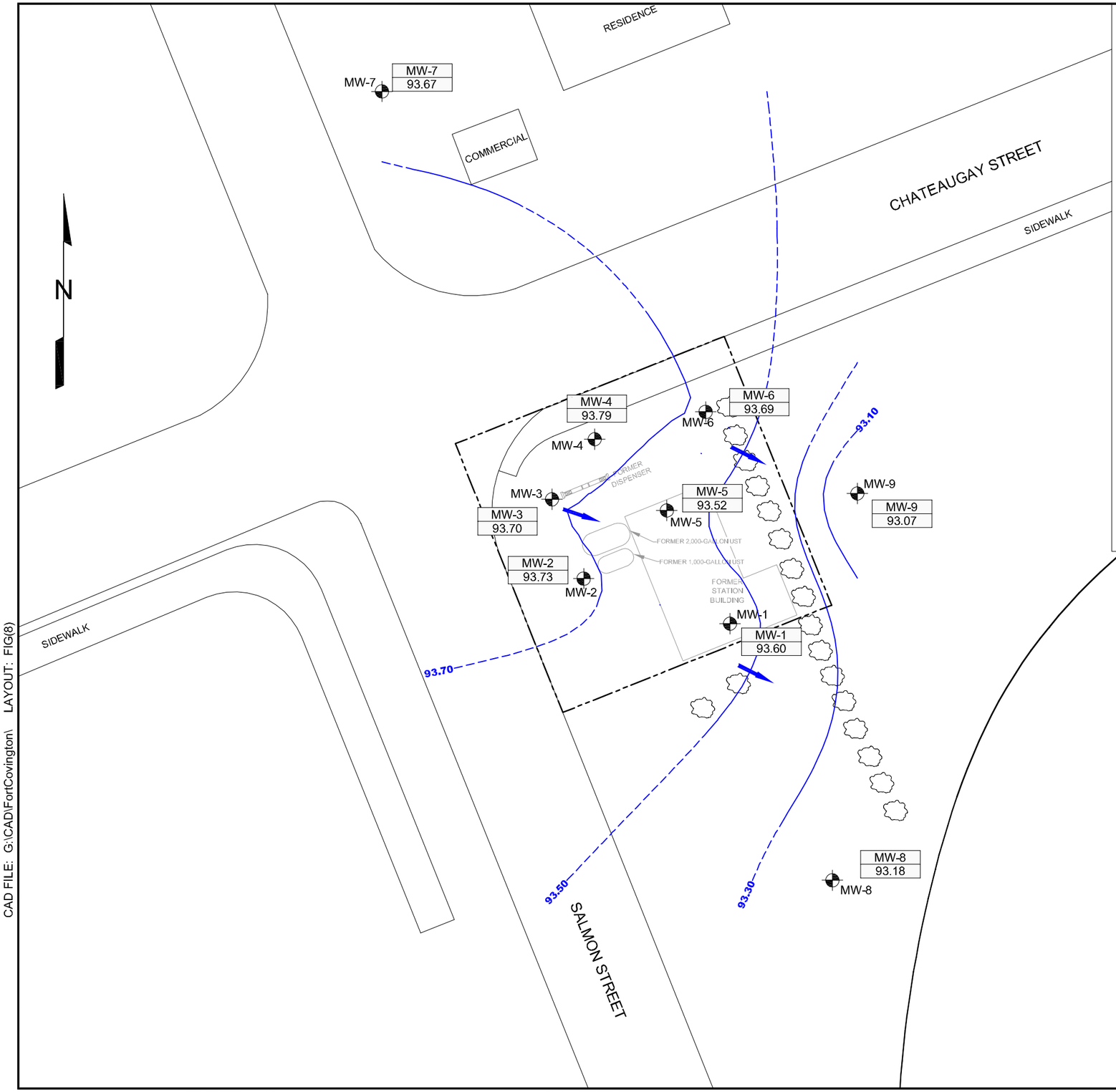
SCALE: 1:20

FIGURE 7

7 of 12 sheets

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(7)

PLOTTED: 14 Nov 2007, 11:50am, JLubbers



LEGEND

- MONITORING WELL
- APPROXIMATE PROPERTY BOUNDARY
- TREE
- UST — UNDERGROUND STORAGE TANK
- MW-1 / 93.60 — MONITORING WELL IDENTIFICATION / WATER-TABLE ELEVATION (FEET)
- ASSUMED GROUNDWATER FLOW DIRECTION
- WATER-TABLE CONTOUR (0.20 FOOT INTERVAL) (DASHED WHERE INFERRED)

SCALE IN FEET

0 30 60

NOTES:

1. THE PROPERTY BOUNDARY, SITE FEATURES AND MONITORING WELL LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.
2. MONITORING WELLS WERE GAUGED AND GROUNDWATER SAMPLES WERE COLLECTED BY KLEINFELDER ON JUNE 29, 2007.

REFERENCES:

1. AERIAL IMAGES "e_04862240_24_14400_cir_2003.sid" AND "e_04922240_24_14400_cir_2003.sid" © NYS CLEARING HOUSE.
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GROUNDWATER POTENTIOMETRIC SURFACE MAP - JUNE 2007

FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

DATE: 10/24/2007

SCALE: 1:30

FIGURE 8

8 of 12 sheets

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(8)

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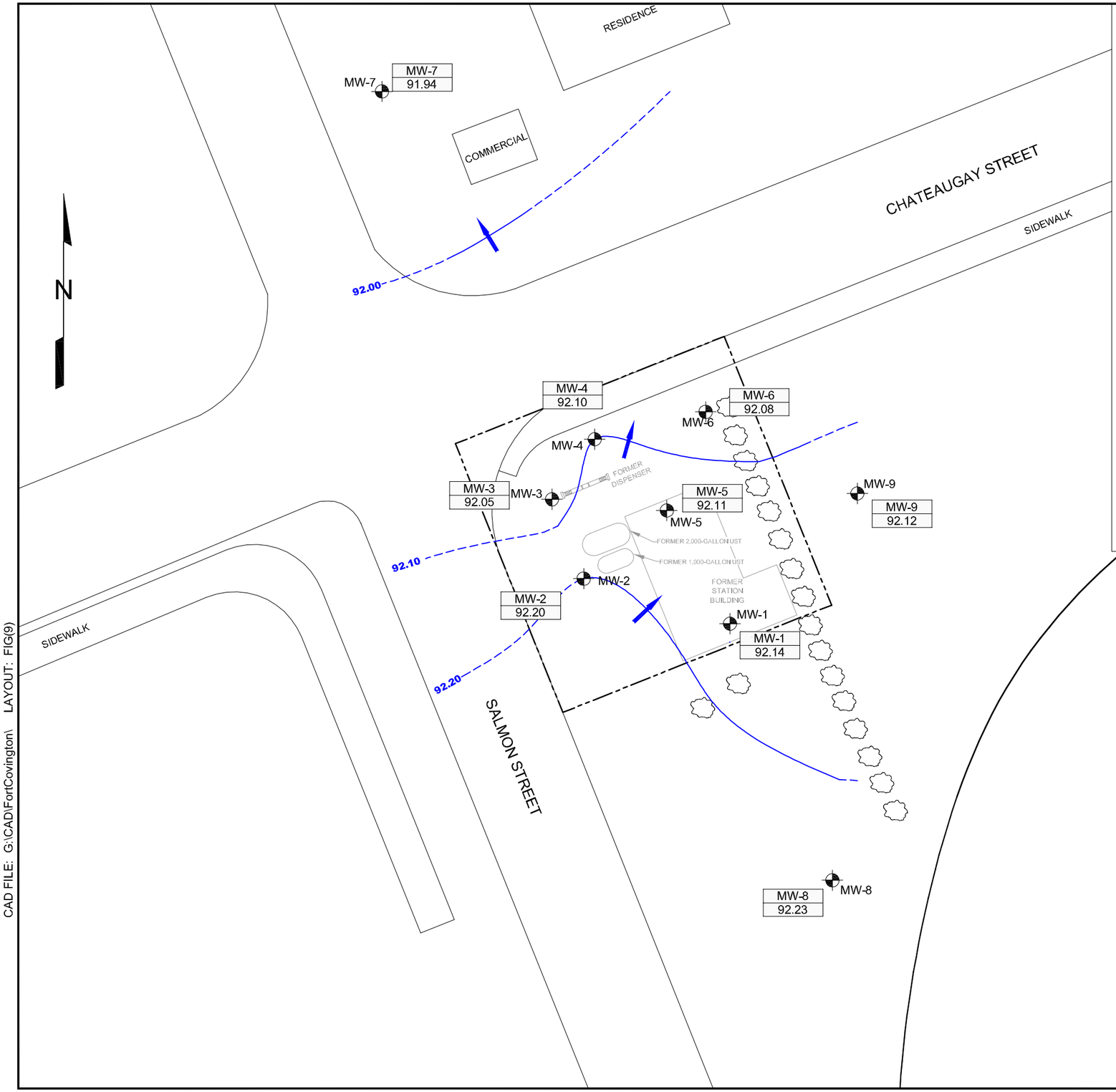

LEGEND

- MONITORING WELL
- APPROXIMATE PROPERTY BOUNDARY
- TREE
- UST — UNDERGROUND STORAGE TANK
- MW-1 / 92.14 — MONITORING WELL IDENTIFICATION, WATER-TABLE ELEVATION (FEET)
- ASSUMED GROUNDWATER FLOW DIRECTION
- WATER-TABLE CONTOUR (0.05 FOOT INTERVAL) (DASHED WHERE INFERRED)

SCALE IN FEET

0 30 60

NOTES:

1. THE PROPERTY BOUNDARY, SITE FEATURES AND MONITORING WELL LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.
2. MONITORING WELLS WERE GAUGED AND GROUNDWATER SAMPLES WERE COLLECTED BY KLEINFELDER ON SEPTEMBER 21, 2007.

REFERENCES:

1. AERIAL IMAGES "e_04862240_24_14400_cir_2003.sid" AND "e_04922240_24_14400_cir_2003.sid" © NYS CLEARING HOUSE.
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GROUNDWATER POTENTIOMETRIC SURFACE MAP - SEPTEMBER 2007

FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

DATE: 10/24/2007

SCALE: 1:30

FIGURE 9

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(9)

PLOTTED: 14 Nov 2007, 11:50am, JLubbers

NOTES:
1. THE PROPERTY BOUNDARY, SITE FEATURES AND MONITORING WELL LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.
2. ONLY PARAMETERS EXCEEDING NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES (1.1.1) AMBIENT WATER QUALITY STANDARDS (NYSDEC WQS) ARE PRESENTED.

REFERENCES:
1. AERIAL IMAGES "e_04862240_24_14400_clr_2003.sid" AND "e_04922240_24_14400_clr_2003.sid" © NYS CLEARING HOUSE.
2. KLEINFELDER FIELD RESEARCH.

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ACAD FILE: SITE PLAN.dwg
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DESIGNED BY:

GROUNDWATER SAMPLE ANALYTICAL DATA EXCEEDING NYSDEC WQS

FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

FOR REDUCED PLANS:
ORIGINAL IN INCHES
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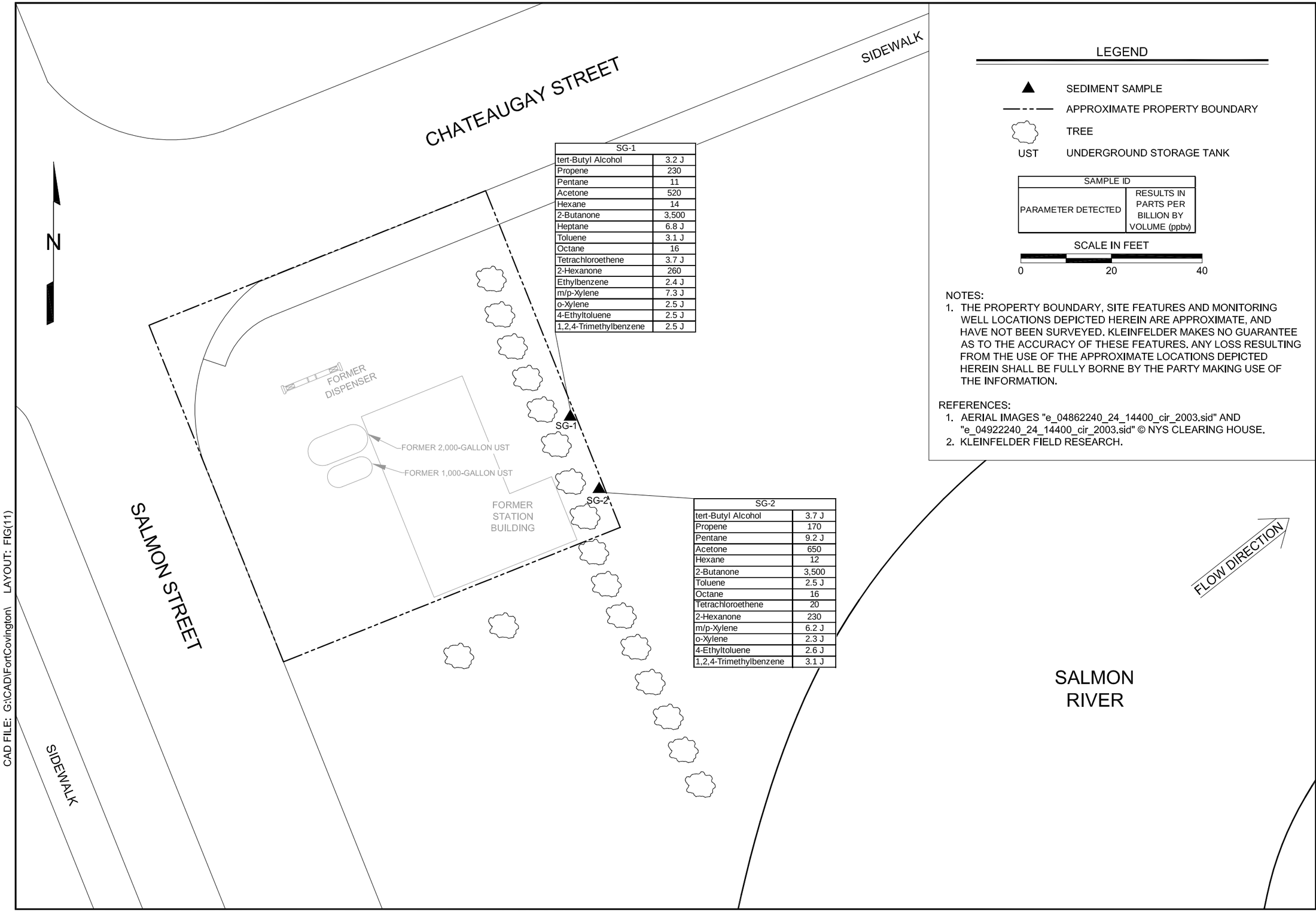
DATE: 10/05/2007
SCALE: 1:20
FIGURE 10

10 of 12 sheets

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(10)



SG-1	
tert-Butyl Alcohol	3.2 J
Propene	230
Pentane	11
Acetone	520
Hexane	14
2-Butanone	3,500
Heptane	6.8 J
Toluene	3.1 J
Octane	16
Tetrachloroethene	3.7 J
2-Hexanone	260
Ethylbenzene	2.4 J
m/p-Xylene	7.3 J
o-Xylene	2.5 J
4-Ethyltoluene	2.5 J
1,2,4-Trimethylbenzene	2.5 J

SG-2	
tert-Butyl Alcohol	3.7 J
Propene	170
Pentane	9.2 J
Acetone	650
Hexane	12
2-Butanone	3,500
Toluene	2.5 J
Octane	16
Tetrachloroethene	20
2-Hexanone	230
m/p-Xylene	6.2 J
o-Xylene	2.3 J
4-Ethyltoluene	2.6 J
1,2,4-Trimethylbenzene	3.1 J

LEGEND

- ▲ SEDIMENT SAMPLE
- APPROXIMATE PROPERTY BOUNDARY
- TREE
- UST UNDERGROUND STORAGE TANK

SAMPLE ID	
PARAMETER DETECTED	RESULTS IN PARTS PER BILLION BY VOLUME (ppbv)

SCALE IN FEET

0 20 40

NOTES:
1. THE PROPERTY BOUNDARY, SITE FEATURES AND MONITORING WELL LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.

REFERENCES:
1. AERIAL IMAGES "e_04862240_24_14400_cir_2003.sid" AND "e_04922240_24_14400_cir_2003.sid" © NYS CLEARING HOUSE.
2. KLEINFELDER FIELD RESEARCH.

NO.	REVISION	BY	DATE

KLEINFELDER
6390 FLY ROAD, SECOND FLOOR
EAST SYRACUSE, NEW YORK 13057
PH. (315) 413-0181 FAX. (315) 413-0207
www.kleinfelder.com

ACAD FILE: SITE PLAN.dwg
DESIGNED BY:
CHECKED BY: JT
PROJ. NO. 69968
DRAWN BY: JL

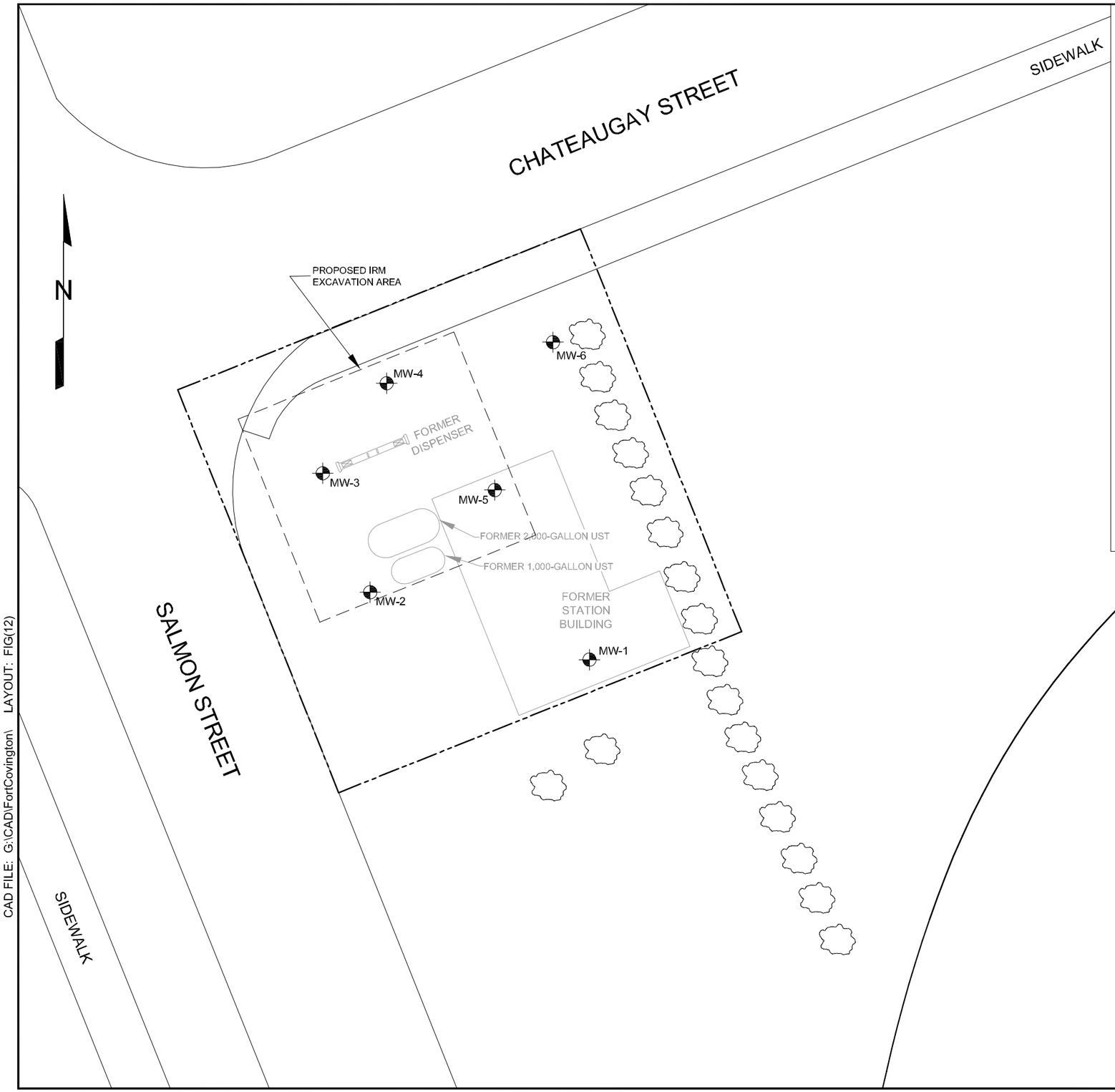
SOIL GAS SAMPLE ANALYTICAL DATA DETECTIONS

FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

DATE: 10/05/2007
SCALE: 1:20
FIGURE **11**
11 of **12** sheets

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(11)

PLOTTED: 29 May 2008, 12:33pm, JLubbers



LEGEND

- MONITORING WELL
- PROPOSED IRM EXCAVATION AREA
- APPROXIMATE PROPERTY BOUNDARY
- TREE
- UST — UNDERGROUND STORAGE TANK

SCALE IN FEET

0 20 40

NOTES:

1. THE PROPERTY BOUNDARY, SITE FEATURES AND MONITORING WELL LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.

REFERENCES:

1. AERIAL IMAGES "e_04862240_24_14400_cir_2003.sid" AND "e_04922240_24_14400_cir_2003.sid" © NYS CLEARING HOUSE.
2. KLEINFELDER FIELD RESEARCH.

NO.	REVISION	BY	DATE
1			
2			
3			
4			

KLEINFELDER
6390 FLY ROAD, SECOND FLOOR
EAST SYRACUSE, NEW YORK 13057
PH. (315) 413-0181 FAX. (315) 413-0207
www.kleinfelder.com

ACAD FILE: SITE PLAN.dwg
DESIGNED BY:
CHECKED BY: JT
PROJ. NO. 69868
DRAWN BY: JL

PROPOSED IRM EXCAVATION AREA

FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK

DATE: 10/30/2007

SCALE: 1:20

FIGURE **12**

12 of **12** sheets

CAD FILE: G:\CAD\FortCovington\ LAYOUT: FIG(12)

PLOTTED: 14 Nov 2007, 11:49am, JLubbers

APPENDIX A

Waste Manifests, Bills of Lading and Characterization Data

8500-FM-LRWM0051 REV. 7/99

P.O. Box 8550
Harrisburg, PA 17105-8550

OMB No. 2050-0039

OFFICIAL PENNSYLVANIA MANIFEST FORM

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NYR000127266 | Manifest Document No. 22393 | 2. Page 1 of 1 | Information within the bold red border is not required by Federal law but may be required by State law.

A. State Manifest Document Number: PAH 205449

3. Generator's Name and Mailing Address: New York State Department of Environmental Conservation, PO Box 296, Route 86, Ray Brook, NY 12977

B. State Gen. ID: Corner of Chauncey & Union St.

4. Generator's Phone (518) 897-1211 ATTN: MIKE MCLEAN

5. Transporter 1 Company Name: OP-TECH Environmental Services, Inc.

6. US EPA ID Number: NYD986089753

C. State Trans. ID: PA-AH -0529

D. Transporter's Phone (315) 764-1917

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Trans. ID: PA-AH

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address: CYCLE CHEM, INC., 550 INDUSTRIAL DRIVE, LEWISBERRY, PA 17339

10. US EPA ID Number: PAD067098822

G. State Facility's ID

H. Facility's Phone ( ) 717-938-4700

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X RQ, Waste, Flammable Liquid, N.O.S. (Acetone, Ethyl Acetate), 3, UN1993, PG III (D001) (ERG#128)	XXL	DM	EST 200	P	D001 F003 F005
b.	X Hazardous Waste Solid, N.O.S. (Acetone, Ethyl Acetate), 9, NA3077, PG III (ERG#171)	XXL	DM	EST 200	P	F003 F005
c.						
d.						

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above: a. H | c. | b. H | d.

15. Special Handling Instructions and Additional Information

a.) OPT641-A-FMI
b.) OPT641-B-SSM

IN CASE OF AN EMERGENCY PLEASE CALL OP-TECH AT 1-800-225-6750

PO# MDST0210-1208

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Michael McLean (ATTN) | Signature | Month 11 | Day 19 | Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Cary A Bostic | Signature | Month 11 | Day 19 | Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name | Signature | Month | Day | Year

PAH 205449

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

6

COPY 6 - GENERATOR: RETAIN THIS COPY

7/30/08

Region 2

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

09/16/2004

This is to acknowledge that you have filed a **Notification of Hazardous Waste Activity** for the installation located at the address shown in the box below to comply with Section 3010 of the Res Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping mani for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with I on all applications for a Federal Hazardous Waste Permit; and other hazardous waste managemen reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER:	**NYR000127266**
INSTALLATION NAME:	**GULF STATION FORMER**
INSTALLATION ADDRESS :	**STATE RD 37 COR OF CHATEAUGAY & SALMON ST FORT COVINGTON, NY 12937**
MAILING ADDRESS :	**PO BOX 296 RTE 86 NYSDEC RAY BROOK, NY 12977**

EPA Form 8700-12AB (4-80)

USEPA - REGION 2
RCRA Programs Branch
290 Broadway, 22nd Floor
New York, NY 10007-1866

ATTN: RCRA NOTIFICATIONS
Tel : (212) 637-4106
Fax: (212) 637-3056

TO: GULF STATION FORMER
or Current Occupant
ATTN: MICHAEL MCLEAN
PO BOX 296 RTE 86
NYSDEC
RAY BROOK, NY, 12977

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 5 Raybrook, NY

Sample ID: Drum #1 **LSL Sample ID:** 0411683-001
Location: OP-11588
Sampled: 07/12/04 9:00 **Sampled By:** MM
Sample Matrix: SHW as Reed

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ASTM E502-84 Ignitability					
Ignitability	33	Degrees C		7/26/04	JN
(1) EPA 8260B					
Acetone	12000	mg/kg		7/26/04	LEF
Benzene	<20	mg/kg		7/23/04	LEF
Bromodichloromethane	<20	mg/kg		7/23/04	LEF
Bromoform	<20	mg/kg		7/23/04	LEF
Bromomethane	<20	mg/kg		7/23/04	LEF
2-Butanone (MEK)	<50	mg/kg		7/23/04	LEF
Carbon disulfide	<20	mg/kg		7/23/04	LEF
Carbon tetrachloride	<20	mg/kg		7/23/04	LEF
Chlorobenzene	<20	mg/kg		7/23/04	LEF
Chloroethane	<20	mg/kg		7/23/04	LEF
Chloroform	<20	mg/kg		7/23/04	LEF
Chloromethane	<20	mg/kg		7/23/04	LEF
Dibromochloromethane	<20	mg/kg		7/23/04	LEF
1,1-Dichloroethane	<20	mg/kg		7/23/04	LEF
1,2-Dichloroethane	<20	mg/kg		7/23/04	LEF
1,1-Dichloroethene	<20	mg/kg		7/23/04	LEF
1,2-Dichloroethene, Total	<20	mg/kg		7/23/04	LEF
1,2-Dichloropropane	<20	mg/kg		7/23/04	LEF
cis-1,3-Dichloropropene	<20	mg/kg		7/23/04	LEF
trans-1,3-Dichloropropene	<20	mg/kg		7/23/04	LEF
Ethyl benzene	<20	mg/kg		7/23/04	LEF
2-Hexanone	<50	mg/kg		7/23/04	LEF
Methylene chloride	<20	mg/kg		7/23/04	LEF
4-Methyl-2-pentanone (MIBK)	420	mg/kg		7/23/04	LEF
Styrene	<20	mg/kg		7/23/04	LEF
1,1,2,2-Tetrachloroethane	<20	mg/kg		7/23/04	LEF
Tetrachloroethene	<20	mg/kg		7/23/04	LEF
Toluene	220	mg/kg		7/23/04	LEF
1,1,1-Trichloroethane	<20	mg/kg		7/23/04	LEF
1,1,2-Trichloroethane	<20	mg/kg		7/23/04	LEF
Trichloroethene	<20	mg/kg		7/23/04	LEF
Vinyl chloride	<20	mg/kg		7/23/04	LEF
Xylenes (Total)	62	mg/kg		7/23/04	LEF
Surrogate (4-BFB)	110	%R		7/23/04	LEF
Surrogate (Tol-d8)	95	%R		7/23/04	LEF
Surrogate (1,2-DCA-d4)	104	%R		7/23/04	LEF

This sample was also found to contain 3200 mg/kg of Ethyl Acetate, 60000 mg/kg of Isopropyl Alcohol and 5700 mg/kg of n-Butanol.

(1) EPA 8270 TCL Semi-Vol					
Acenaphthene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Acenaphthylene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Anthracene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Benzo(a)anthracene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Benzo(b)fluoranthene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Benzo(k)fluoranthene	<0.5	mg/kg	7/19/04	7/22/04	CRT

Life Science Laboratories, Inc. **Date Printed:** 7/28/04

Analysis performed at: *(1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes*

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 5 *Raybrook, NY*

Sample ID: Drum #1 **LSL Sample ID:** 0411683-001

Location: OP-11588

Sampled: 07/12/04 9:00 **Sampled By:** MM

Sample Matrix: SHW as Recd

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8270 TCL Semi-Vol					
Benzo(ghi)perylene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Benzo(a)pyrene	<0.5	mg/kg	7/19/04	7/22/04	CRT
4-Bromophenyl-phenylether	<0.5	mg/kg	7/19/04	7/22/04	CRT
Butylbenzylphthalate	<0.5	mg/kg	7/19/04	7/22/04	CRT
Carbazole	<0.5	mg/kg	7/19/04	7/22/04	CRT
4-Chloroaniline	<0.5	mg/kg	7/19/04	7/22/04	CRT
bis(2-Chloroethoxy)methane	<0.5	mg/kg	7/19/04	7/22/04	CRT
bis(2-Chloroethyl)ether	<0.5	mg/kg	7/19/04	7/22/04	CRT
bis(2-Chloroisopropyl)ether	<0.5	mg/kg	7/19/04	7/22/04	CRT
4-Chloro-3-methylphenol	<0.5	mg/kg	7/19/04	7/22/04	CRT
2-Chloronaphthalene	<0.5	mg/kg	7/19/04	7/22/04	CRT
2-Chlorophenol	<0.5	mg/kg	7/19/04	7/22/04	CRT
4-Chlorophenyl-phenylether	<0.5	mg/kg	7/19/04	7/22/04	CRT
Chrysene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Dibenz(a,h)anthracene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Dibenzofuran	<0.5	mg/kg	7/19/04	7/22/04	CRT
Di-n-butylphthalate	<0.5	mg/kg	7/19/04	7/22/04	CRT
1,2-Dichlorobenzene	<0.5	mg/kg	7/19/04	7/22/04	CRT
1,3-Dichlorobenzene	<0.5	mg/kg	7/19/04	7/22/04	CRT
1,4-Dichlorobenzene	<0.5	mg/kg	7/19/04	7/22/04	CRT
3,3'-Dichlorobenzidine	<1	mg/kg	7/19/04	7/22/04	CRT
2,4-Dichlorophenol	<0.5	mg/kg	7/19/04	7/22/04	CRT
Diethylphthalate	<0.5	mg/kg	7/19/04	7/22/04	CRT
2,4-Dimethylphenol	<0.5	mg/kg	7/19/04	7/22/04	CRT
Dimethylphthalate	<0.5	mg/kg	7/19/04	7/22/04	CRT
2,4-Dinitrophenol	<1	mg/kg	7/19/04	7/22/04	CRT
2,4-Dinitrotoluene	<0.5	mg/kg	7/19/04	7/22/04	CRT
2,6-Dinitrotoluene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Di-n-octylphthalate	<0.5	mg/kg	7/19/04	7/22/04	CRT
bis(2-Ethylhexyl)phthalate	<0.5	mg/kg	7/19/04	7/22/04	CRT
Fluoranthene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Fluorene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Hexachlorobenzene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Hexachlorobutadiene	<1	mg/kg	7/19/04	7/22/04	CRT
Hexachlorocyclopentadiene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Hexachloroethane	<0.5	mg/kg	7/19/04	7/22/04	CRT
Indeno(1,2,3-c,d)pyrene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Isophorone	<1	mg/kg	7/19/04	7/22/04	CRT
2-Methyl-4,6-dinitrophenol	<0.5	mg/kg	7/19/04	7/22/04	CRT
2-Methylnaphthalene	<0.5	mg/kg	7/19/04	7/22/04	CRT
2-Methylphenol (o-Cresol)	<0.5	mg/kg	7/19/04	7/22/04	CRT
4-Methylphenol (p-Cresol)	<0.5	mg/kg	7/19/04	7/22/04	CRT
Naphthalene	<0.5	mg/kg	7/19/04	7/22/04	CRT
2-Nitroaniline	<1	mg/kg	7/19/04	7/22/04	CRT
3-Nitroaniline	<1	mg/kg	7/19/04	7/22/04	CRT
4-Nitroaniline	<1	mg/kg	7/19/04	7/22/04	CRT
Nitrobenzene					

Life Science Laboratories, Inc. **Date Printed:** 7/28/04

Analysis performed at: *(1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes*

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 5 *Raybrook, NY*

LSL Sample ID: 0411683-001

Sample ID: Drum #1
Location: OP-11588
Sampled: 07/12/04 9:00 **Sampled By:** MM
Sample Matrix: SHW as Recd

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8270 TCL Semi-Vol					
2-Nitrophenol (o-Nitrophenol)	<0.5	mg/kg	7/19/04	7/22/04	CRT
4-Nitrophenol	<0.5	mg/kg	7/19/04	7/22/04	CRT
N-Nitrosodiphenylamine	<0.5	mg/kg	7/19/04	7/22/04	CRT
N-Nitroso-di-n-propylamine	<0.5	mg/kg	7/19/04	7/22/04	CRT
Pentachlorophenol	<1	mg/kg	7/19/04	7/22/04	CRT
Phenanthrene	<0.5	mg/kg	7/19/04	7/22/04	CRT
Phenol	<0.5	mg/kg	7/19/04	7/22/04	CRT
Pyrene	<0.5	mg/kg	7/19/04	7/22/04	CRT
1,2,4-Trichlorobenzene	<0.5	mg/kg	7/19/04	7/22/04	CRT
2,4,5-Trichlorophenol	<0.5	mg/kg	7/19/04	7/22/04	CRT
2,4,6-Trichlorophenol					

Life Science Laboratories, Inc. **Date Printed:** 7/28/04

Analysis performed at: *(1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes*

OP-TECH ENVIRONMENTAL SERVICES, INC.
6392 Deere Road
Syracuse, New York 13206

CHAIN OF CUSTODY RECORD

Due 7/30/04

JOB NO. MD5-00210 W.I.P. NO. ______
SITE LOCATION Fort Covington, NY

SPECIAL REPORTING REQUIREMENTS (other than mail): ☐ PHONE NO.: ______ ☐ FAX NO.: ______
CONTACT: Mike Murray

Turn Around Time
24-HOUR ☐
48-HOUR ☐
NORMAL ☒
OTHER ☐ ______

Special Detection Limits
Yes ☐ (Specify) No ☒

Special QA/QC Level
Yes ☐ (Specify) No ☒

CONTAINER TYPE:
V - VOA VIALS
~~G - GLASS~~
P - PLASTIC
O - OTHER ______

TYPE OF SAMPLE:
G-GRAB (circled)
C-COMPOSITE
W-WIPE
SS-SURFACE SCRAPE
OT-OTHER (SPECIFY) ______

411683
2-C
9.5 oz ctr

Analysis Requested: CORROS ☐ FLASH ☒ REACT ☐ pH ☐; TCLP - METALS ☐ VOA ☐ SEMI-VOA ☐; TCLP: PEST ☐ HERB ☐; TOTAL METALS ☐ LIST: ; OIL AND GREASE: EPA 413.1 ☐ EPA 413.2 ☐; TPH, EPA 418.1(IR) ☐ NYS DOH 310-13(GC) ☐; EPA 503.1 ☐ EPA 502.2 ☐ EPA 524 ☐; EPA 601 ☐ EPA 8010 ☐; EPA 8260 ☐ with MTBE ☐ TBA ☐; EPA 608 ☐ EPA 8080 ☐ PCB ONLY ☐; EPA 610 ☐ EPA 8310 ☐; EPA 624 ☐ EPA 8240 ☐ (+15) ☐ EPA 8260 ☒; EPA 625 ☐ EPA 8270 ☒ (+25) ☐ EPA 8250 ☐; TARGET COMPOUND LIST (+30) ☐

Special Instructions:
Please send copy of results to: NYSDEC Region 5
RT 86 P.O. Box 296
Ray Brook, NY 12977
Attn: Mike McLean

* Full List for both

SAMPLE I.D.	DATE	TIME	CONTAINER NUMBER	CONTAINER SIZE	CONTAINER TYPE	MATRIX GROUNDWATER	SOIL	AIR	SLUDGE	OTHER	TYPE (ENTER CODE)	PRESERVATIVE HCl	$Na_2S_2O_3$	HNO_3	H_2SO_4	Ice (4°C)	Teflon Liner	Filtered	Other	CORROS/FLASH	EPA 8260 / EPA 8270	Comments
OP-11588	7/12/04	9	2	1000 ml						X						X				X	X X	Drum #1

001 A-B (circled)

Custody Transfers

		DATE	TIME			DATE	TIME
SAMPLED BY:	Michael P. Murray	7/12/04	9:00 am	RECEIVED BY:	7/15/04 [signature] 1600		
RELINQUISHED BY:	[signature]	7/15/04	1600	RECEIVED BY:	[signature]	7/15/04	10:45
RELINQUISHED BY:				RECEIVED AT LAB BY:	Matt Wilson 07-16-04 11:23 RCVD		
LABORATORY:	LSC			ADDRESS:	E. Syracuse		

10.9° dc

White - LABORATORY Canary - JOB FILE Pink - SUPERVISOR 2202 058.9205

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. MOSK-0001

Carrier No. 6A-166

Page 1 of 1

OP-TECH Environmental Services Inc. (Name of carrier) (SCAC)

Date Hi-06

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee: OP-TECH Environmental Services
Street: 370 RT 34
City: Waverly State: N.Y. Zip Code: 14892

FROM: Shipper: Town of Fort Covington
Street: Corner of Salmon & Chateaugay St.
City: Fort Covington State: NY Zip Code: 12920
24 hr. Emergency Contact Tel. No.: 1-800-225-6750

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION — Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 DM		Non RPA, Non DOT Regulated Material (Hydraulic oil water mixture)	Est. 150 P			
		PO#				

PLACARDS TENDERED: YES ☐ NO ☒

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES.
FREIGHT PREPAID except when box at right is checked ☐
Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Town of Fort Covington
PER _____

CARRIER OP-TECH
PER _____
DATE 1-11-06

1

Permanent post-office address of shipper.

ATTENTION SHIPPERS! FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. MGSK0003

Carrier No. 6A-166

Page 1 of 1

OP-TECH Environmental Services, Inc.
(Name of carrier) (SCAC)

Date 8/15/06

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

FROM: Shipper Former Martin's Gulf (Kleinfelder)

TO:

Consignee Industrial Oil Tank Service Inc.

Street Corner of Chateaugay & Salmon Street

Street 120 Dry Road

City Fort Covington State NY Zip Code

City Oriskany State NY Zip Code 13424

24 hr. Emergency Contact Tel. No. 1-800-225-6750

Route

Vehicle Number 848

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
TT		Non-DOT, Non RCRA Regulated Liquid Est. 300 gallons				
		(gasoline cont. water from tank removal) 700 LB				
		P.O.# MGSK0003-4552				

PLACARDS TENDERED: YES NO X

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID COLLECT $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Town of Fort Covington

PER [signature] On behalf of FC

CARRIER OP-TECH Environmental Services, Inc

PER [signature]

DATE 8/15/06

4

Permanent post-office address of shipper.

ATTENTION SHIPPERS! FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. M6SK0003-

Carrier No. 6A-166

Page 1 of 1

OP-TECH Environmental Services, Inc. (Name of carrier) (SCAC)

Date 8/15/06

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

FROM: Shipper Former Martin's Gulf (c/o Klanfelder, Inc.)

TO:

Consignee Industrial Oil Tank Service Inc.

Street State Highway 37

Street 120 Dry Road

City Fort Covington State NY Zip Code

City Oriskany State NY Zip Code 13424

24 hr. Emergency Contact Tel. No. 1-800-225-6750

Route

Vehicle Number 848

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
TT		Non DOT, Non RCRA Regulated Liquid (water contaminated with petroleum from tank removal)	8300 gallons			
		P.O.# M6SK0003-4552				

PLACARDS TENDERED: YES NO X

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

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_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID COLLECT $

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TOTAL CHARGES $

FREIGHT CHARGES
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RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Town of Fort Covington

PER On behalf of TC

CARRIER OP-TECH Environmental Services, Inc.

PER

DATE 8/15/06

4

Permanent post-office address of shipper.

ATTENTION SHIPPERS! FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

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Shipper No. MGSR0003

Carrier No. 6A-166

Page 1 of 1

OP-TECH Environmental Services, Inc. (Name of carrier) (SCAC)

Date 8/15/06

On Collect on Delivery shipments, the letters"COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

FROM: Shipper Former Martin's Gulf (c/o Kleinfelder, Inc.)

TO:

Consignee OP-TECH Environmental Services, Inc.

Street State Highway 37

Street 14 Old River Road

City Fort Covington State NY Zip Code

City Massena State NY Zip Code 13662

24 hr. Emergency Contact Tel. No. 1-800-225-6750

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 Tank		Non DOT, Non RCRA Regulated Material (empty & cleaned petroleum UST)	Est 2200 Pounds			

PLACARDS TENDERED: YES NO X

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

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_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID COLLECT $

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Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Town of Fort Covington

PER [signature] On behalf of FC Inc.

CARRIER OP-TECH Environmental Services, Inc.

PER

DATE 8/15/06

4

Permanent post-office address of shipper.

APPENDIX B

KAS's Asbestos Inspection Report

ASBESTOS INSPECTION REPORT
MARTIN'S GARAGE (GULF)

OCTOBER 5, 2005

PROJECT # 309050038

PREPARED FOR:

OP-TECH ENVIRONMENTAL SERVICES, INC.
14 OLD RIVER ROAD
MASSENA, NY 13662

KAS INC.
P.O. BOX 787
WILLISTON, VT 05495
(802) 383-0486

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2. INSPECTION METHODS	1
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1. INSPECTION SUMMARY

Martin's Gulf located at the intersection of Chateguay Street and Salmon Street in Fort Covington, NY, was inspected for the presence of asbestos containing materials (ACM) on September 29, 2005. The inspection was conducted to reasonably determine if ACM were present prior to building demolition. The inspection/sampling included obtaining bulk samples from suspect materials throughout the building. All areas of the structure were inspected including the exterior. The interior of the building was fully accessible. Destructive sampling techniques such as breaking into walls were used in this inspection.

The inspection determined that no ACM exists in the building. ACM is defined as materials that have asbestos content equal to or greater than 1% by weight.

Table 1 summarizes the inspection results.

2. INSPECTION METHODS

This asbestos site inspection was conducted by an EPA accredited, State of New York certified, Asbestos Inspector/ Management Planner generally in accordance with AHERA inspection guidelines and generally accepted procedures. Bulk sample analysis was conducted by EMSL Analytical, Inc. of Westmont, NJ. The inspector possessed adequate experience, training and education to recognize potential ACM and to collect bulk samples of suspect materials for laboratory analysis.

In accordance with the workscope for this project, bulk samples were collected and analyzed from each suspect material found. Bulk samples of suspect ACM were analyzed for asbestos content using PLM NYS 198.1 friable for friable materials and PLM NYS 198.6/ TEM NYS ELAP Method 198.4 for nonfriable organically bound (NOB) materials.

3. NEW YORK ASBESTOS REGULATIONS INDUSTRIAL CODE RULE 56

New York Industrial Code Rule 56, details the procedures, regulations, certifications and licenses required when disturbance of asbestos containing materials occurs in the State of New York. In essence, any company, individual or organization that disturbs asbestos containing materials or provides asbestos consulting or laboratory services must be certified/ licensed by the State of New York. Personnel who conducted the inspection, bulk sample collections and laboratory analysis were properly certified by the State of New York and also possess current EPA approved training in asbestos site inspections and asbestos laboratory analysis. KAS corporate and individual inspector licenses and certifications are contained in Appendix 1.

4. CERTIFICATION/ACCREDITATION

Inspection Location: Martin's Gulf, Chateguay and Salmon Streets, Ft Covington, NY

Inspection Date: September 29, 2005

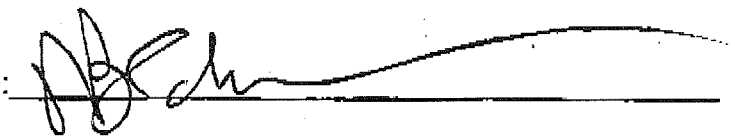
Buildings Inspected: A greater than 50 year old wood frame single story former service station with two maintenance bays. Approximately 1,000 square foot footprint.

Inspector Certification/Accreditation:

The person who conducted the inspection/bulk sampling of the facility holds the following asbestos handling certificate:

Inspector/ Management Planner:

Peter Schuyler: New York Asbestos Handling Certificate AH-90-06755
Expires 08/06

Signature: 

KAS, Inc. NYS Asbestos Handling License 05-0787.

Asbestos bulk samples have been analyzed by EMSL Analytical of Westmont, NJ, NYS NY-ELAP #10872 and NY-ELAP #10896.

5. INSPECTION RESULTS

Specific results of the sampling and analysis and visual inspection are contained in Table1. Laboratory results are included in Appendix 2. Site sketch is contained in Appendix 3. No asbestos containing materials were detected in the building, see Table 1.

6. OBSERVATIONS AND RECOMMENDATIONS

It is reasonably believed that no asbestos containing materials exist in the building inspected.

The building consists of a one-story older wood frame structure that appears to have always been used as a service station/ garage. It has two service bays and a small office area with attached bath room. It is currently abandoned and in poor repair. Historical heating appears to have been wood/ coal and more recently forced hot air. Uninsulated hot air ducts remain but no other heating equipment remains. The floors of

the entire structure were cement with no evidence of former flooring such as floor tiles or sheet flooring. Only three of the dozen or so windows in the building contained window glaze and it was found to be asbestos free. Insulation that was observed was fiberglass. Walls in the building were mostly sheetrock with some plywood walls also present. The roof was covered with one type of shingles that also existed in a pile behind the building on the ground. "Tar" paper existed under the singles and under wood siding. The two "tar" papers were considered separate homogeneous materials.

TABLE 1 – INSPECTION RESULTS
MARTIN'S GULF, FT COVINGTON, NY

SAMPLE #	MATERIAL	ANALYTICAL RESULTS
1, 2, 3 under wood siding	"tar" paper	not asbestos containing
4, 5, 6 roof and debris pile	shingle	not asbestos containing
7, 8, 9 roof and debris pile	"tar" paper	not asbestos containing
10, 11, 12 interior walls/ ceiling	sheet rock/ joint compound	not asbestos containing
13, 14, 15 windows	window glaze	not asbestos containing

Notes:
1, - 1, 2, ... - sample number (located on site sketch Appendix 3)

APPENDIX 1

CERTIFICATIONS

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

PETER B SCHUYLER
CLASS(EXPIRES)
D INSP(08/06)- E MGPL(08/06)
G SUPR(08/06) I PD (08/06)

CERT# 90-06755

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, STATE CAMPUS
ALBANY, NY 12240
ASBESTOS HANDLING LICENSE

Contractor: KAS. INC.
P.O. BOX 787
WILLISTON, VT 05495

LICENSE NUMBER: 05-0787
DATE OF ISSUE: 8/17/2005
EXPIRATION DATE: 8/31/2006
Business Addres
929 Harvest Lane
Williston, VT 05495

Duly Authorized Representative: PETER SCHUYLER

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Anthony Germano, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (6-03)

APPENDIX 2

LABORATORY ANALYSIS REPORTS

EMSL Analytical, Inc.
[illegible]

Attn: **Amy Gurney**
KAS, Inc.
P.O. Box 787
Williston, VT 05495

Fax: (802) 383-0490 Phone: (802) 383-0486
Project: **309050038/MARTINS GARAGE**

Customer ID: KAS82
Customer PO: 309050038
Received: 09/30/05 11:06 AM
EMSL Order: 040518723

EMSL Proj:
Analysis Date: 10/3/2005
Report Date: 10/4/2005

Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
1 *040518723-0001*	UNDER WOOD SIDING	Black Non-Fibrous Homogeneous	100.0	None	Inconclusive: No Asbestos Detected
2 *040518723-0002*	UNDER WOOD SIDING	Black Non-Fibrous Homogeneous	100.0	None	Inconclusive: No Asbestos Detected
3 *040518723-0003*	UNDER WOOD SIDING	Black Non-Fibrous Homogeneous	100.0	None	Inconclusive: No Asbestos Detected
4 *040518723-0004*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	Inconclusive: No Asbestos Detected
5 *040518723-0005*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	Inconclusive: No Asbestos Detected
6 *040518723-0006*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	Inconclusive: No Asbestos Detected
7 *040518723-0007*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	Inconclusive: No Asbestos Detected
8 *040518723-0008*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	Inconclusive: No Asbestos Detected
9 *040518723-0009*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	Inconclusive: No Asbestos Detected

VT CERT# PB548328

Analyst(s)
Nancy Stalter (9)

Stephen Siegel, CIH
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted.EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection/activities or analytical method limitations.
ACCREDITATIONS: AIHA #100168, NVLAP #101048-0 and NY STATE ELAP #10872

NYS198-2

THIS IS THE LAST PAGE OF THE REPORT.

EMSL Analytical, Inc.
[illegible]

Attn: **Amy Gurney**
KAS, Inc.
P.O. Box 787
Williston, VT 05495

Fax: (802) 383-0490 Phone: (802) 383-0485
Project: **309050036/MARTIN'S GARAGE**

Customer ID: KASI62
Customer PO: 309050036
Received: 09/30/05 11:06 AM
EMSL Order: 040518729

EMSL Proj:
Analysis Date: 10/4/2005
Report Date: 10/4/2005

Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES		% TOTAL ASBESTOS
1 *040518729-0001*	UNDER WOOD SIDING	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected		
2 *040518729-0002*	UNDER WOOD SIDING	Black Fibrous Homogeneous	100.0	None	<1 <1	Amosite Chrysotile	<1
3 *040518729-0003*	UNDER WOOD SIDING	Black Non-Fibrous Homogeneous	100.0	None	<1	Chrysotile	<1
4 *040518729-0004*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected		
5 *040518729-0005*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected		
6 *040518729-0006*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected		
7 *040518729-0007*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected		
8 *040518729-0008*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	<1	Chrysotile	0.0
9 *040518729-0009*	ROOF	Black Non-Fibrous Homogeneous	100.0	None	<1	Chrysotile	0.0

VT CERT# TE018366

Analyst(s)
Robyn Denton (9)

Stephen Siegel, CIH
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

04051823

Chain of Custody

Asbestos Lab Services

EMSL Analytical, Inc.
107 Haddon Avenue
Westmont, NJ 08108

Phone: (856) 858-4800
Fax: (856) 858-4960
(856) 427-1608
http://www.emsl.com

Please print all information legibly.

Company:	KAS, Inc.	*Bill To:*	KAS, Inc.
Address1:	P.O. Box 787	*Address1:*	P.O. Box 787
Address2:	929 Harvest Lane	*Address2:*	929 Harvest Lane
City, State:	Williston, VT	*City, State:*	Williston, VT
Zip/Post Code:	05495	*Zip/Post Code:*	05495
Country:		*Country:*	
Contact Name:	Amy Gurney	*Attn:*	Amy Gurney
Phone:	802-383-0486	*Phone:*	802-383-0486
Fax:	802-383-0490	*Fax:*	802-383-0490
Email:	amyg@kas-consulting.com	*Email:*	amyg@kas-consulting.com
EMSL Rep:	Christina Nardozzi	*P.O. Number:*	30905003B
Project Name/Number:	30905003B Martin's Garage		

MATRIX			TURNAROUND			
☐ Air	☐ Soil	☐ Micro-Vac	☐ 3 Hours	☐ 6 Hours	☐ Same Day or 12 Hours*	☐ 24 Hours (1 day)
☒ Bulk	☐ Drinking Water		☒ 48 Hours (2 days)	☐ 72 Hours (3 days)	☐ 96 Hours (4 days)	☐ 120 Hours (5 days)
☐ Wipe	☐ Wastewater		☐ 144+ hours (6-10 days)			

TEM AIR 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour turnaround. Please call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.
*12 hours (must arrive by 11:00a.m. Mon.-Fri.). Please Refer to Price Quote

PCM - Air	**TEM Air**	**TEM WATER**
☐ NIOSH 7400(A) Issue 2: August 1994	☐ AHERA 40 CFR, Part 763 Subpart E	☐ EPA 100.1
☐ OSHA w/TWA	☐ NIOSH 7402	☐ EPA 100.2
☐ Other:	☐ EPA Level II	☐ NYS 198.2
PLM - Bulk	**TEM BULK**	**TEM Microvac/Wipe**
☐ EPA 600/R-93/116	☐ Drop Mount (Qualitative)	☐ ASTM D 5755-95 (Quantitative method)
☐ EPA Point Count	☐ Chatfield SOP - 1988-02	☐ Wipe Qualitative
☒ NY Stratified Point Count	☒ TEM NOB (Gravimetric) NYS 198.4	
☒ PLM NOB (Gravimetric) NYS 198.1	☐ EMSL Standard Addition:	**XRD**
☐ NIOSH 9002:		☐ Asbestos
☐ EMSL Standard Addition:	**PLM Soil**	☐ Silica NIOSH 7500
SEM Air or Bulk	☐ EPA Protocol Qualitative	
☐ Qualitative	☐ EPA Protocol Quantitative	**OTHER**
☐ Quantitative	☐ EMSL MSD 9000 Method fibers/gram	☐

15 TOTAL SAMPLES

RECEIVED
EMSL
WESTMONT, NJ
05 SEP 30 AM 11:06

SAMPLES ACCEPTED
FOR ANALYSIS BY
EMSL ANALYTICAL, INC.

0405187 23

KAS, INC., P.O. BOX 787, 929 HARVEST LANE, WILLISTON, VT 05495 (802) 863-0486

NYS ASBESTOS HANDLING LICENSE 05-0787

PROJECT NO.: 309050038 SAMPLERS: PETER SCHUYLER NY CERT 90-06755 SIGNATURE:

CLIENT: OP-TECH

14 OLD RIVER ROAD

MASSENA, NY 13662

LOCATION: MARTIN'S GULF (FORMER)

INTERSECTION CHAT & FRYE

FT COVINGTON, NY 12937

SAMPLE TYPE: BULK

TURNAROUND TIME: [redacted] 48(hr)

SAMPLE #	DATE	ANALYSIS	SAMPLE LOCATION	BUILDING SURFACE	AMOUNT	DAMAGE
1	9/14/05	NOBS	Under wood siding	"Tar" Paper		minor
2	9/14/05					
3	9/14/05					
4		NOBS	Roof	Shingle		Damaged
5						
6						
7		NOBS	Roof	"Tar" Paper		minor
8						
9						
10		PLM	Interior Walls/ceiling	sheet rock/Joint Comp		Significant damage
11						
12						

RELINQUISHED BY: DATE: 9/14/05 RECEIVED BY: Date:

RELINQUISHED BY: DATE: RECEIVED BY: Date:

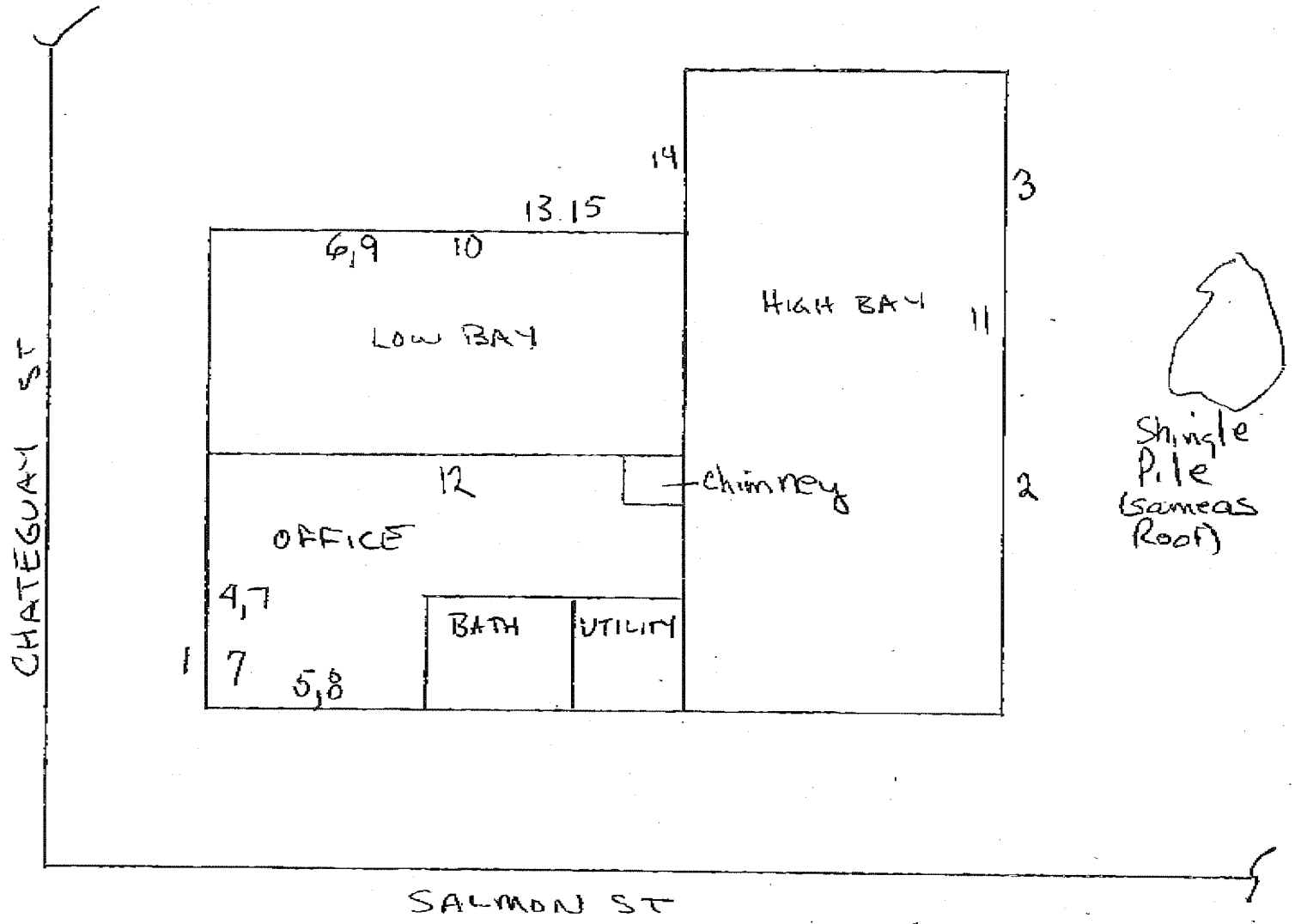
COMMENTS: 1) NYS PLM
2) NOBS – STOP AT PLM NOBS FIRST POSITIVE
3) NEW YORK SAMPLES

SAMPLES ACCEPTED FOR ANALYSIS BY EMSL ANALYTICAL INC.

RECEIVED SEP 30 AM 11:35 EMSL-LINCOLN

APPENDIX 3

SITE SKETCH



NOTES:
1) 1, 2, 3... SAMPLE NUMBER/LOCATION
2) BUILDING VACANT IN POOR REPAIR

SITE SKETCH
MARTIN'S GULF
FT COVINGTON, NY
ASBESTOS INSPECTION
10/5/05 PBS NTS

APPENDIX C

Soil Boring Logs and Monitoring Well Construction Details

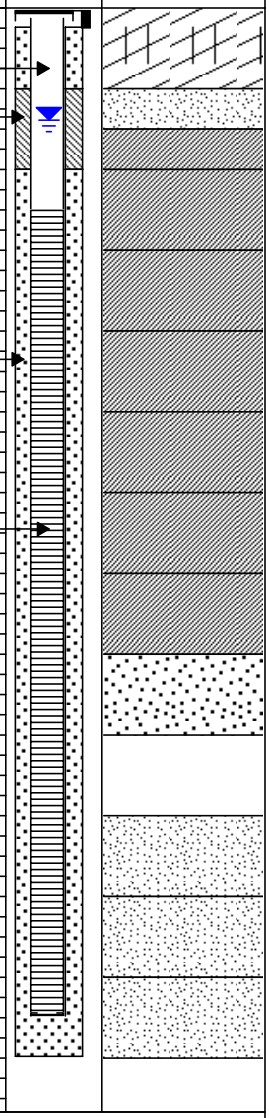
KLEINFELDER

7 Airport Park Boulevard, Latham, New York 12110
Phone: (518) 786-8750 Fax: (518) 786-8755

Well Log
MW-1

Project: Former Martins Gulf Station	Boring ID: MW-1	Screen Length: 20 feet
Client: Town of Fort Covington	Casing Elevation: 99.45	Diameter: 2 inch
Location: Chateaugay and Salmon Street, Fort Covington	Total Depth: 25 ft btoc	PVC Type: Schedule 40
Drilling Co.: Geosearch	Water Table Elevation: 96.66	Slot Size: 0.010 inch
Driller: John	Start Date: 10-10-06	Casing Length: 5 feet
Method: Hollow Stem Auger	End Date: 10-11-06	Diameter: 2 inch

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description
1		0' - 1'	0.3	VC	VC	(0' - 2') Topsoil: fine to medium brown SAND, some organics
		1' - 2'	0.0	VC	VC	
2		2' - 3'	0.0	VC	VC	(2' - 4') Fine SAND, some clay, little rock fragments, moist
3		3' - 4'	0.4	VC	VC	
4	* MW-1 (4')	4' - 6'	0.0	VC	VC	(3 '- 4') Gray CLAY, little silt, trace sand
5						(4' - 6') Gray CLAY, little silt, trace fine sand, moist
6		6' - 8'	0.0	VC	VC	(6' - 8') Gray CLAY, little silt, trace fine sand, wet
8		8' - 10'	0.2	3-6-8-8	24"/24"	(8' - 10') Gray CLAY, little silt, trace fine sand, wet
10		10' - 12'	0.0	3-7-9-7	15"/24"	(10' - 12') Brown CLAY and SILT, trace fine sand, wet
12		12' - 14'	0.0	3-2-13-24	24"/24"	(12' - 14') CLAY and SILT, some fine sand, wet
14		14'-16'	0.0	9-12-16-12	6"/24"	(14 '- 16') Fine to medium GRAVEL and brown clay, saturated
16		16'-18'	0.0	16-24-27-27	24"/24"	(16' - 18') Coarse SAND, little medium gravel, saturated
18		18'-20'	NA	6-8-37-41	None	(18' - 20') No Recovery
20		20'-22'	0.0	6-25-25-35	24"/24"	(20' - 22') Fine to coarse SAND, some fine gravel, saturated
22		22'-24'	0.0	15-25-23-23	24"/24"	(22' - 24') Fine to coarse SAND, some fine gravel, saturated
24		24' - 26'	0.0	10-25-60/4"	12"/16"	(24' - 26') Fine to coarse SAND, some fine gravel, saturated
27						



Soil boring terminated at 26 ft bgs.

Notes:

Water table elevation is measured from an arbitrary on-site datum.
VC - Vacuum Clear
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
ft btoc - feet below top of casing

" - inches
PID - photoionization detector
DTW - depth to water
ppmv - parts per million by volume

Logged by: JBateman

KLEINFELDER
7 Airport Park Boulevard, Latham, New York 12110
Phone: (518) 786-8750 Fax: (518) 786-8755

Well Log
MW-2

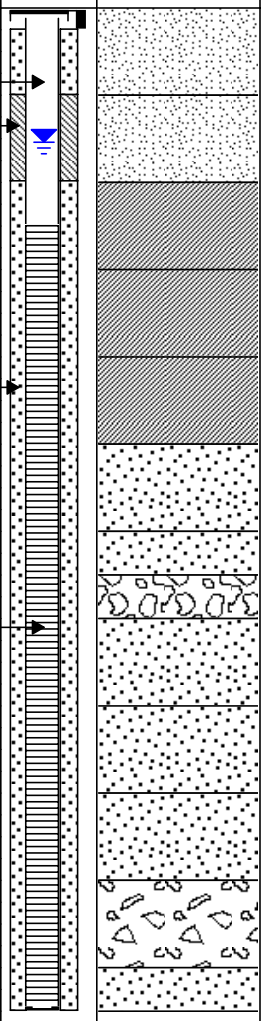
Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Geosearch
Driller: John
Method: Hollow Stem Auger

Boring ID: MW-2
Casing Elevation: 99.82
Total Depth: 25 ft btoc
Water Table Elevation: 96.74
Start Date: 10-10-06
End Date: 10-11-06

Screen Length: 20 feet
Diameter: 2 inch
PVC Type: Schedule 40
Slot Size: 0.010 inch
Casing Length: 5 feet
Diameter: 2 inch

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description
1		0' - 2'	0.0	VC	VC	(0' - 2') Fine SAND, some clay, some rock fragments
2		2' - 4'	0.0	VC	VC	(2' - 4') Fine SAND, some clay, some rock Fragments
3						
4		4' - 6'	0.0	VC	VC	(4' - 6') Gray CLAY, little fine sand, trace organics, moist
5	* MW-2 (5')					
6		6' - 8'	0.0	8-13-22-10	24"/24"	(6' - 8') Brown to gray CLAY some silt, wet
7						
8		8' - 10'	0.0	7-13-10-14	24"/24"	(8' - 10') Brown to gray CLAY some silt, wet
9						
10		10' - 12'	0.0	10-12-17-25	10"/24"	(10' - 12') Coarse SAND and fine to medium gravel, wet
11						
12		12' - 14'	0.0	34-17-15-18	24"/24"	(12' - 13') Coarse gray SAND, wet
13						(13' - 14') Medium GRAVEL
14		14'-16'	0.0	11-56-27-29	12"/24"	(14' - 16') Coarse SAND, some gravel, saturated
15						
16		16'-18'	0.0	34-60/4"	18"/10"	(16' - 18') Coarse gray SAND, some medium gravel, saturated
17						
18		18'-20'	0.0	27-34-60/4"	13"/16"	(18' - 20') Coarse gray SAND, some medium gravel, saturated
19						
20		20'-22'	0.0	50-27-43-20	6"/24"	(20' - 22') Rock Fragments
21						
22		22'-23'	0.0	43-60/5"	11"/11"	(22' - 23') C oarse SAND and rock fragments
23						
24						
25						

Depth (feet) | Well Diagram | Lithology



Soil boring terminated at 23 ft bgs.

Notes:

Water table elevation is measured from an arbitrary on-site datum.
VC - Vacuum Clear
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
ft btoc - feet below top of casing

" - inches
PID - photoionization detector
DTW - depth to water
ppmv - parts per million by volume

Logged by: JBateman

KLEINFELDER

7 Airport Park Boulevard, Latham, New York 12110
Phone: (518) 786-8750 Fax: (518) 786-8755

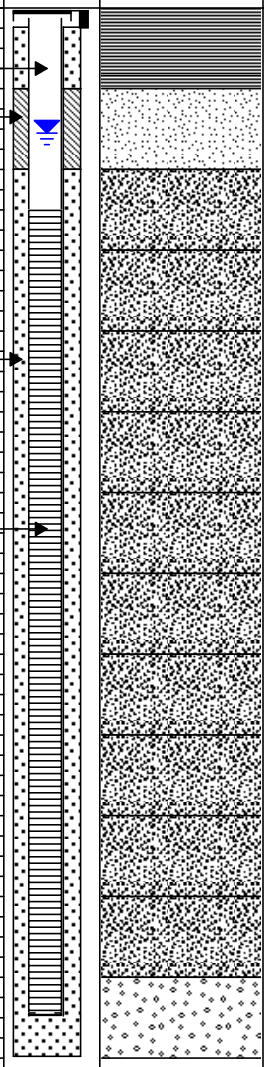
Well Log
MW-3

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Geosearch
Driller: John
Method: Hollow Stem Auger

Boring ID: MW-3
Casing Elevation: 99.72
Total Depth: 25 ft btoc
Water Table Elevation: 96.62
Start Date: 10-10-06
End Date: 10-11-06

Screen Length: 20 feet
Diameter: 2 inch
PVC Type: Schedule 40
Slot Size: 0.010 inch
Casing Length: 5 feet
Diameter: 2 inch

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description
1		0' - 2'	466	VC	VC	(0' - 2') Gray SILT and CLAY, petroleum odor, moist
2		2' - 4'	2465	VC	VC	(2' - 4') Fine SAND, some clay, little gravel, petroleum odor
3						
4	* MW-3 (4')	4' - 6'	1277	VC	VC	(4' - 6') Medium to coarse SAND and rock fragments
5						
6		6' - 8'	897	2-6-10-15	8"/24"	(6' - 8') Medium SAND, little CLAY, wet
7						
8		8' - 10'	1404	12-22-22-22	20"/24"	(8' - 10') Medium SAND, petroleum odor, wet
9						
10		10' - 12'	95.8	11-18-20-25	24"/24"	(10' - 12') Brown Medium SAND, petroleum odor, wet
11						
12		12' - 14'	142	12-20-20-22	20"/24"	(12' - 14') Brown to gray M SAND
13						
14		14'-16'	11.7	8-16-43-33	21"/24"	(14' - 16') Gray medium SAND, wet
15						
16		16'-18'	22.9	69/3"	3"/3"	(16' - 18') Gray medium SAND, wet
17						
18		18'-20'	0.9	7-30-45-35	15"/24"	(18' - 20') Gray medium SAND, some medium gravel, wet
19						
20		20'-22'	23.0	70/4"	4"/4"	(20' - 22') Gray medium SAND and rock fragments, saturated
21						
22		22'-24'	88.2	15-27-40-28	8"/24"	(22' - 24') Medium SAND and medium gravel, saturated
23						
24		24' - 26'	6.0	7-30-60/5"	7"/7"	(24' - 26') Fine to medium GRAVEL, saturated
25						
26						
27						



Boring terminated at 26 ft bgs.

Notes:

Water table elevation is measured from an arbitrary on-site datum.
VC - Vacuum Clear
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
ft btoc - feet below top of casing

" - inches
PID - photoionization detector
DTW - depth to water
ppmv - parts per million by volume

Logged by: JBateman

KLEINFELDER

7 Airport Park Boulevard, Latham, New York 12110
Phone: (518) 786-8750 Fax: (518) 786-8755

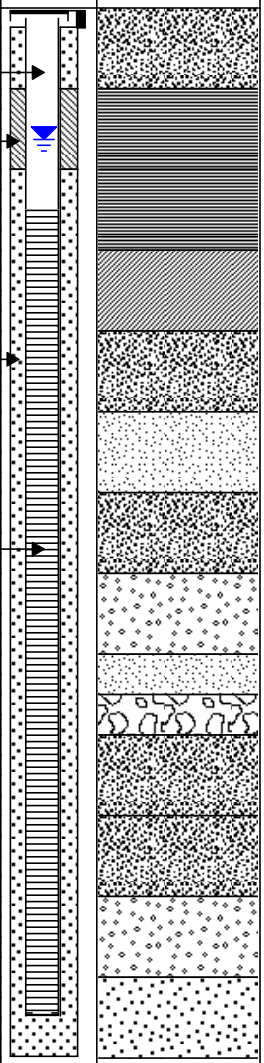
Well Log
MW-4

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Geosearch
Driller: John
Method: Hollow Stem Auger

Boring ID: MW-4
Casing Elevation: 99.90
Total Depth: 25 ft btoc
Water Table Elevation: 96.94
Start Date: 10-10-06
End Date: 10-12-06

Screen Length: 20 feet
Diameter: 2 inch
PVC Type: Schedule 40
Slot Size: 0.010 inch
Casing Length: 5 feet
Diameter: 2 inch

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description
1		0' - 2'	294	VC	VC	(0' - 2') Medium SAND with silt and clay, petroleum odor, moist
2		2' - 4'	3029	VC	VC	(2' - 4') Gray SILT and CLAY, little fine sand, petroleum odor, moist
3	* MW-4 (3')					
4		4' - 6'	2701	VC	VC	(4' - 6') Gray SILT, some clay, trace fine sand, petroleum odor, moist
5						
6		6' - 8'	126	4-7-42-20	5"/24"	(6' - 8') Gray CLAY, some silt, trace fine sand, little rock fragments
7						
8		8' - 10'	182	27-40-22-20	14"/24"	(8' - 10') Brown medium SAND and fine gravel, wet
9						
10		10' - 12'	33.5	36-43-41-18	18"/24"	(10' - 12') Brown fine to medium SAND and fine gravel, wet
11						
12		12' - 14'	9.8	40-50-60/4"	16"/16"	(12' - 14') Gray- brown medium SAND, trace clay, wet
13						
14		14'-16'	10.1	6-8-33-30	16"/24"	(14 '- 16') Fine to medium GRAVEL, little fine sand, wet
15						
16		16'-18'	15.5	42-60/2"	18"/8"	(16' - 17') Fine SAND, some fine to medium gravel
17						(17' - 18') Fine to medium Gravel
18		18'-20'	13.2	27-33-43-28	24"/24"	(18' - 20') Gray medium SAND, and fine to medium gravel
19						
20		20'-22'	43.9	43-45-46-52	24"/24"	(20' - 22') Gray medium to coarse SAND and rock fragments, saturated
21						
22		22'-24'	0.0	50-60/5"	11"/11"	(22' - 24') Fine to medium GRAVEL, saturated
23						
24		24' - 26'	4.8	7-15-53-67	23"/24"	(24' - 26') Coarse SAND and fine gravel, saturated
25						
26						
27						



Boring terminated at 25 ft bgs.

Notes:

Water table elevation is measured from an arbitrary on-site datum.
VC - Vacuum Clear
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
ft btoc - feet below top of casing

" - inches
PID - photoionization detector
DTW - depth to water
ppmv - parts per million by volume

Logged by: JBateman

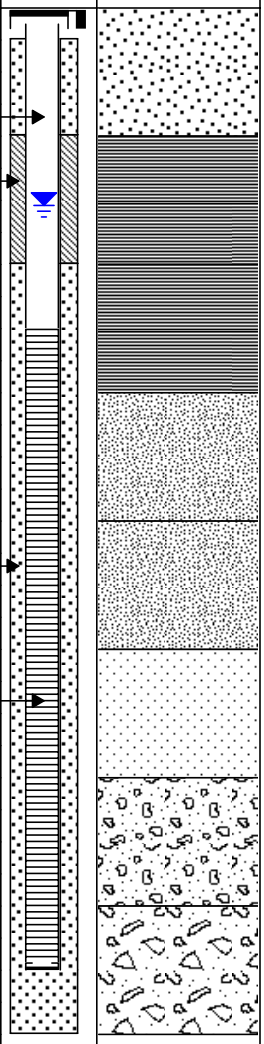
KLEINFELDER

7 Airport Park Boulevard, Latham, New York 12110
Phone: (518) 786-8750 Fax: (518) 786-8755

Well Log
MW-5

Project: Former Martins Gulf Station	Boring ID: MW-5	Screen Length: 10 feet
Client: Town of Fort Covington	Casing Elevation: 99.82	Diameter: 2 inch
Location: Chateaugay and Salmon Street, Fort Covington	Total Depth: 16 ft btoc	PVC Type: Schedule 40
Drilling Co.: Geosearch	Water Table Elevation: 96.74	Slot Size: 0.010 inch
Driller: John	Start Date: 10-10-06	Casing Length: 5 feet
Method: Hollow Stem Auger	End Date: 10-12-06	Diameter: 2 inch

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description
1		0' - 2'	0.0	NA	NA	(0' - 2') Brown medium SAND and SILT
2		2' - 4'	0.0	NA	NA	(2' - 4') Brown SILT, trace fine sand, trace clay, moist
3						
4		4' - 6'	0.0	NA	NA	(4 '- 6') Brown SILT, trace fine sand, moist
5	* MW-5 (5')					
6		6' - 8'	0.0	22-22-14-19	16"/24"	(6' - 8') Gray-brown fine to medium SAND, trace clay, wet
7						
8		8' - 10'	24.3	60/3"	3"/3"	(8 '- 10') Gray fine SAND, trace clay, wet
9						
10		10' - 12'	0.0	17-44-36-28	24"/24"	(10' - 12') Gray medium SAND, wet
11						
12		12' - 14'	0.0	20-22-20-19	16"/24"	(12' - 14') Gray- brown medium SAND, some fine gravel, wet
13						
14		14'-16'	0.0	75/4"	4"/4"	(14' - 16') fine to medium GRAVEL, trace fine sand, saturated
15						
16						
17						



Boring terminated at 16 ft bgs.

Notes:

Water table elevation is measured from an arbitrary on-site datum.
VC - Vacuum Clear
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
ft btoc - feet below top of casing

" - inches
PID - photoionization detector
DTW - depth to water
ppmv - parts per million by volume

Logged by: JBateman

KLEINFELDER

7 Airport Park Boulevard, Latham, New York 12110
Phone: (518) 786-8750 Fax: (518) 786-8755

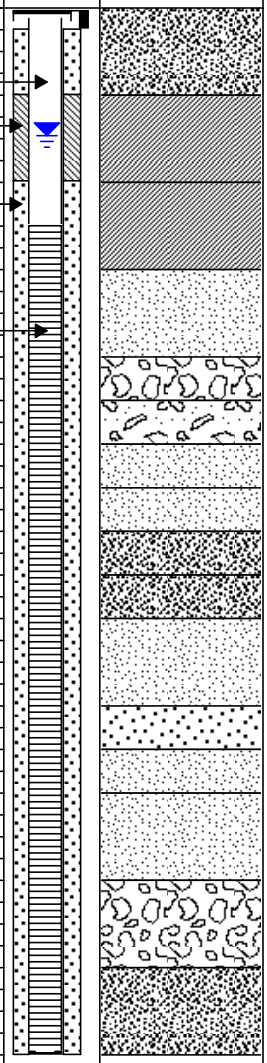
Well Log
MW-6

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Geosearch
Driller: John
Method: Hollow Stem Auger

Boring ID: MW-6
Casing Elevation: 99.69
Total Depth: 24 ft btoc
Water Table Elevation: 96.76
Start Date: 10-10-06
End Date: 10-12-06

Screen Length: 20 feet
Diameter: 2 inch
PVC Type: Schedule 40
Slot Size: 0.010 inch
Casing Length: 4 feet
Diameter: 2 inch

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description
1		0' - 2'	0.0	NA	NA	(0'- 2') Brown medium SAND, moist
2		2' - 4'	0.0	NA	NA	(2' - 4') Olive brown CLAY, little silt, moist
3						
4		4' - 6'	2183	NA	NA	(4' - 6') Gray CLAY, some silt, moist
5	* MW-6 (5')					
6		6' - 8'	0.0	18-56-80/6	16"/18"	(6' - 8') Fine SAND, with rock and ash, damp
7						
8		8' - 10'	0.0	11-26-14-15	24"/24"	(8' - 9') Fine to medium SAND with fine gravel
9						(9' - 10') Rock Fragments and fine gravel
10		10' - 12'	0.0	33-28 30-30	24"/24"	(10' - 11)' Brown fine SAND and fine to medium gravel, wet
11		11' - 12'	0.9			(11' - 12') Gray fine SAND and fine to medium gravel, wet
12		12' - 14'	0.0	18-27-27-20	14"/24"	(12' - 13') Brown medium SAND and fine gravel, wet
13						(13' - 14') Gray medium SAND and rock fragments, saturated
14		14'-16'	0.0	34-52-48-60	16"/24"	(14' - 16') Brown fine to medium SAND and fine to medium gravel, rock fragments, saturated
15						
16		16'-18'	0.0	17-20-42-60	24"/24"	(16' - 17') Coarse SAND and rock fragments, saturated
17						(17' - 18') Rock Fragments, gray fine to medium SAND with some fine to medium gravel
18		18'-20'	1.6	24-19-18-11	24"/24"	(18' - 20') Gray fine to medium SAND, some fine to medium gravel, little rock fragments, saturated
19						(20' - 22') Rock Fragments, some medium sand, saturated
20		20'-22'	0.0	28-28-23-12	10"/24"	(22' - 24') Gray medium SAND, some rock fragments and medium gravel, saturated
21						
22		22'-24'	0.0	28-43-60/4	24"/16"	
23						
24						
25						



Boring terminated at 24 ft bgs.

Notes:

Water table elevation is measured from an arbitrary on-site datum.
VC - Vacuum Clear
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
ft btoc - feet below top of casing

" - inches
PID - photoionization detector
DTW - depth to water
ppmv - parts per million by volume

Logged by: JAE

KLEINFELDER

7 Airport Park Boulevard, Latham, New York 12110
Phone: (518) 786-8750 Fax: (518) 786-8755

Boring Log SB-2

Project: Former Martins Gulf Station	Boring ID: SB-2	Screen Length: NA
Client: Town of Fort Covington	Casing Elevation: NA	Diameter: NA
Location: Chateaugay and Salmon Street, Fort Covington	Total Depth: 16 ft bgs	PVC Type: NA
Drilling Co.: Op-Tech	Water Table Elevation: NA	Slot Size: NA
Driller: RBuley	Start Date: 4-11-06	Casing Length: NA
Method: Geoprobe	End Date: 4-12-06	Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
0		0' - 2'	0.0	HC	HC	(0' - 2') Brown sandy CLAY, moist	0	
2		2' - 4'	0.0	HC	HC	(2' - 4') Brown sandy CLAY, moist	2	
4		4' - 8'	0.0	GP	48"/48"	(4 '- 6') Brown sandy CLAY, moist	4	
6	*SB-2 (6-8')		2.4			(6' - 8') Brown sandy CLAY, slight petroleum odor, **saturated at 7 fee**t	6	
8		8' - 12'	3.0	GP	36"/48"	(8 '- 10') Brown coarse SAND, saturated	8	
10			2.5			(10' - 12') Brown coarse SAND, some rock fragments, saturated	10	
12		12' - 16'	0.0	GP	6"/48"	(12' - 14') Grayish brown coarse SAND with rock fragments, saturated	12	
14			NA			(14' - 16') No Recovery	14	
16							16	

Soil boring terminated at 16 ft bgs.

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

Logged by: AEtringer

KLEINFELDER

7 Airport Park Boulevard, Latham, New York 12110
Phone: (518) 786-8750 Fax: (518) 786-8755

Boring Log SB-3

Project: Former Martins Gulf Station	Boring ID: SB-3	Screen Length: NA
Client: Town of Fort Covington	Casing Elevation: NA	Diameter: NA
Location: Chateaugay and Salmon Street, Fort Covington	Total Depth: 16 ft bgs	PVC Type: NA
Drilling Co.: Op-Tech	Water Table Elevation: NA	Slot Size: NA
Driller: RBuley	Start Date: 4-11-06	Casing Length: NA
Method: Geoprobe	End Date: 4-12-06	Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
1	*SB-3 Surface	0' - 2'	0.0	HC	HC	(0' - 2') Brown CLAY, some sand, moist	1	
2		2' - 4'	0.0	HC	HC	(2' - 4') Brown CLAY, some sand, moist	2	
4	*SB-3 (4-6')	4' - 8'	333	GP	48"/48"	(4' - 6') Brown CLAY, some sand, some rock fragments, petroleum odor, moist	4	
6			270			(6' - 8') Brown CLAY, some sand, some rock fragments, petroleum odor, **saturated at 7.5 feet**	6	
8		8' - 12'	9.7	GP	36"/48"	(8' - 10') Brown CLAY, some sand, slight petroleum odor, saturated	8	
10			10.6			(10' - 12') Coarse SAND, some silt, saturated	10	
12		12' - 16'	0.0	GP	24"/48"	(12' - 14') Brownish gray coarse SAND, some rock fragments, saturated	12	
14			0.0			(14' - 16') Brownish gray coarse SAND, some rock fragments, saturated	14	
16							16	
17							17	

Soil boring terminated at 16 ft bgs.

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

Logged by: AEtringer

KLEINFELDER

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Phone: (518) 786-8750 Fax: (518) 786-8755

Boring Log SB-4

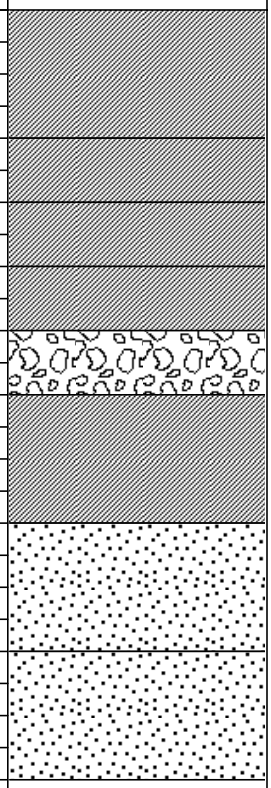
Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Op-Tech
Driller: RBuley
Method: Geoprobe

Boring ID: SB-4
Casing Elevation: NA
Total Depth: 12 ft bgs
Water Table Elevation: NA
Start Date: 4-11-06
End Date: 4-12-06

Screen Length: NA
Diameter: NA
PVC Type: NA
Slot Size: NA
Casing Length: NA
Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description
0		0' - 2'	0.0	HC	HC	(0' - 2') Brown CLAY, some sand, moist
2		2' - 3'	151	HC	HC	(2' - 3') Brown CLAY, some sand, strong petroleum odor, moist
3		3' - 4'	137	HC	HC	(3' - 4') Brown CLAY, some sand, strong petroleum odor, moist
4	*SB-4 (6-8')	4' - 8'	391	GP	24"/48"	(4' - 5') Brown CLAY, some sand, strong petroleum odor, moist
5						(5' - 6') Rock fragments
6			665			(6' - 8') Gray CLAY, some sand and rock fragments, **saturated at 7.5 feet**
8		8' - 12'	27.3	GP	48"/48"	(8' - 10') Gray coarse SAND with rock fragments, petroleum odor, saturated
10			28.9			(10' - 12') Gray coarse SAND with rock fragments, petroleum odor, saturated

Lithology



Soil boring terminated at 12 ft bgs.

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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Phone: (518) 786-8750 Fax: (518) 786-8755

Boring Log SB-5A

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Op-Tech
Driller: RBuley
Method: Geoprobe

Boring ID: SB-5A
Casing Elevation: NA
Total Depth: 3 ft bgs
Water Table Elevation: NA
Start Date: 4-11-06
End Date: 4-12-06

Screen Length: NA
Diameter: NA
PVC Type: NA
Slot Size: NA
Casing Length: NA
Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
		0' - 1'	1,489	HC	HC	(0' - 1') Dark gray CLAY, strong petroleum odor, moist		
1		1' - 2'	1,285	HC	HC	(1' - 2') Dark gray CLAY, strong petroleum odor, moist	1	
2		2' - 3'	1,333	HC	HC	(2 '- 3') Dark gray CLAY, strong petroleum odor, moist	2	
3							3	
4							4	
5							5	
6							6	
7							7	
8							8	
9							9	
10							10	
11							11	
12							12	
13							13	
14							14	
15							15	
16							16	
17							17	

Soil boring terminated at 3 ft bgs (refusal).

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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Boring Log
SB-5B

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Op-Tech
Driller: RBuley
Method: Geoprobe

Boring ID: SB-5B
Casing Elevation: NA
Total Depth: 2.5 ft bgs
Water Table Elevation: NA
Start Date: 4-11-06
End Date: 4-12-06

Screen Length: NA
Diameter: NA
PVC Type: NA
Slot Size: NA
Casing Length: NA
Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
		0' - 1'	1,366	HC	HC	(0' - 1') Dark gray CLAY, some fine to medium sand, strong petroleum odor		
1	*SB-5B (1-2')	1' - 2.5'	NA	HC	HC	(1 - 2.5) Dark gray CLAY, some fine to medium sand, strong petroleum odor	1	
2							2	
3							3	
4							4	
5							5	
6							6	
7							7	
8							8	
9							9	
10							10	
11							11	
12							12	
13							13	
14							14	
15							15	
16							16	
17							17	

Soil boring terminated at 2.5 ft bgs

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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Boring Log
SB-5C

Project: Former Martins Gulf Station	Boring ID: SB-5C	Screen Length: NA
Client: Town of Fort Covington	Casing Elevation: NA	Diameter: NA
Location: Chateaugay and Salmon Street, Fort Covington	Total Depth: 2 ft bgs	PVC Type: NA
Drilling Co.: Op-Tech	Water Table Elevation: NA	Slot Size: NA
Driller: RBuley	Start Date: 4-11-06	Casing Length: NA
Method: Geoprobe	End Date: 4-12-06	Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
		0' - 1'	1,407	HC	HC	(0' - 1') Dark gray CLAY, some fine to medium sand, strong petroleum odor		
1		1' - 2'	1,235	HC	HC	(1' - 2') Dark gray CLAY, some fine to medium sand, strong petroleum odor	1	
2							2	
3							3	
4							4	
5							5	
6							6	
7							7	
8							8	
9							9	
10							10	
11							11	
12							12	
13							13	
14							14	
15							15	
16							16	
17							17	

Soil boring terminated at 2 ft bgs (refusal).

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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Boring Log
SB-5D

Project: Former Martins Gulf Station	Boring ID: SB-5D	Screen Length: NA
Client: Town of Fort Covington	Casing Elevation: NA	Diameter: NA
Location: Chateaugay and Salmon Street, Fort Covington	Total Depth: 2 ft bgs	PVC Type: NA
Drilling Co.: Op-Tech	Water Table Elevation: NA	Slot Size: NA
Driller: RBuley	Start Date: 4-11-06	Casing Length: NA
Method: Geoprobe	End Date: 4-12-06	Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
0		0' - 1'	868	HC	HC	(0 '- 1') Dark gray CLAY, some fine to medium sand, strong petroleum odor	0	
1		1' - 2'	NA	HC	HC	(1' - 2') Dark gray CLAY, some fine to medium sand, strong petroleum odor	1	
2							2	
3							3	
4							4	
5							5	
6							6	
7							7	
8							8	
9							9	
10							10	
11							11	
12							12	
13							13	
14							14	
15							15	
16							16	
17							17	

Soil boring terminated at 2 ft bgs (refusal).

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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Boring Log
SB-5E

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Op-Tech
Driller: RBuley
Method: Geoprobe

Boring ID: SB-5E
Casing Elevation: NA
Total Depth: 2
Water Table Elevation: NA
Start Date: 4-11-06
End Date: 4-12-06

Screen Length: NA
Diameter: NA
PVC Type: NA
Slot Size: NA
Casing Length: NA
Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
		0' - 1'	985	HC	HC	(0' - 1') Dark gray CLAY, some fine to medium sand, strong petroleum odor		
1		1' - 2'	NA	HC	HC	(1' - 2') Dark gray CLAY, some fine to medium sand, strong petroleum odor	1	
2							2	
3							3	
4							4	
5							5	
6							6	
7							7	
8							8	
9							9	
10							10	
11							11	
12							12	
13							13	
14							14	
15							15	
16							16	
17							17	

Soil boring terminated at 2 ft bgs (refusal).

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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Boring Log
SB-5F

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Op-Tech
Driller: RBuley
Method: Geoprobe

Boring ID: SB-5F
Casing Elevation: NA
Total Depth: 1 ft bgs
Water Table Elevation: NA
Start Date: 4-11-06
End Date: 4-12-06

Screen Length: NA
Diameter: NA
PVC Type: NA
Slot Size: NA
Casing Length: NA
Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
		0' - 1'	1,507	HC	HC	(0' - 1') Dark gray CLAY, some fine to medium sand, strong petroleum odor		
1		1' - 2'	NA	HC	HC	(1' - 2') Dark gray CLAY, some fine to medium sand, strong petroleum odor	1	
2							2	
3							3	
4							4	
5							5	
6							6	
7							7	
8							8	
9							9	
10							10	
11							11	
12							12	
13							13	
14							14	
15							15	
16							16	
17							17	

Soil boring terminated at 2 ft bgs.

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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Boring Log
SB-5G

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Op-Tech
Driller: RBuley
Method: Geoprobe

Boring ID: SB-5G
Casing Elevation: NA
Total Depth: 2.5 ft bgs
Water Table Elevation: NA
Start Date: 4-11-06
End Date: 4-12-06

Screen Length: NA
Diameter: NA
PVC Type: NA
Slot Size: NA
Casing Length: NA
Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
0		0' - 1'	0.0	HC	HC	(0' - 1') Dark gray CLAY, some fine to medium sand, petroleum odor	0	
1		1' - 2.5'	0.0	HC	HC	(1' - 2.5') Dark gray CLAY, some fine to medium sand, petroleum odor	1	
2							2	
3							3	
4							4	
5							5	
6							6	
7							7	
8							8	
9							9	
10							10	
11							11	
12							12	
13							13	
14							14	
15							15	
16							16	
17							17	

Soil boring terminated at 2.5 ft bgs

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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Boring Log
SB-7

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Op-Tech
Driller: RBuley
Method: Geoprobe

Boring ID: SB-7
Casing Elevation: NA
Total Depth: 16 ft bgs
Water Table Elevation: NA
Start Date: 4-11-06
End Date: 4-12-06

Screen Length: NA
Diameter: NA
PVC Type: NA
Slot Size: NA
Casing Length: NA
Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
1		0' - 3'	0.0	HC	HC	(0' - 3') Brown fine SAND, dry	1	
2							2	
3		3' - 4'	237	HC	HC	(3' - 4') Gray CLAY, trace coarse sand, strong petroleum odor, wet	3	
4	*SB-7 (4-5')	4' - 5'	342	HC	HC	(4' - 5') Gray CLAY, trace coarse sand, strong petroleum odor, wet	4	
5		5' - 8'	418	GP	36"/36"	(5' - 6') Brown CLAY, some coarse sand, strong petroleum odor, **saturated at 5 feet**	5	
6			684			(6' - 8') Olive-brown CLAY with some coarse sand and rock fragments, strong petroleum odor, saturated	6	
7							7	
8		8' - 12'	658	GP	48"/48"	(8' - 10') Brown to gray coarse SAND, strong petroleum odor, saturated	8	
9							9	
10			24.3			(10' - 12') Gray coarse SAND, some rock fragments, saturated	10	
11							11	
12		12' - 16'	99.0	GP	48"/48"	(12' - 14') Olive-gray CLAY with coarse sand and rock fragments, saturated	12	
13							13	
14			0.0			(14' - 16') Dark gray coarse SAND with rock fragments, saturated	14	
15							15	
16							16	
17							17	

Soil boring terminated at 16 ft bgs.

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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Phone: (518) 786-8750 Fax: (518) 786-8755

Boring Log
SB-9

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Op-Tech
Driller: RBuley
Method: Geoprobe

Boring ID: SB-9
Casing Elevation: NA
Total Depth: 16 ft bgs
Water Table Elevation: NA
Start Date: 4-11-06
End Date: 4-12-06

Screen Length: NA
Diameter: NA
PVC Type: NA
Slot Size: NA
Casing Length: NA
Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
1	*SB-9 Surface	0' - 2'	0.0	HC	HC	(0' - 2') Brown coarse SAND with trace clay, moist	1	
2		2' - 4'	0.0	HC	HC	(2' - 3') Brown coarse SAND with trace clay, moist	2	
3						(3' - 4') Brown CLAY with coarse sand, moist	3	
4		4' - 8'	0.0	GP	48"/48"	(4' - 6') Grayish-brown CLAY, moist	4	
5							5	
6	*SB-9 (6-8')		0.0			(6' - 8') Grayish-brown CLAY, moist	6	
7							7	
8		8' - 12'	0.0	GP	48"/48"	(8' - 10') Olive-gray CLAY, wet	8	
9							9	
10			0.0			(10' - 11') Olive-gray CLAY, wet	10	
11			0.0			(11' - 12') Olive-gray CLAY with trace coarse sand and rock fragments, saturated, **saturated at approximately 11 feet**	11	
12		12' - 16'	0.0	GP	24"/48"	(12' - 14') Olive-gray CLAY with coarse sand, saturated	12	
13							13	
14			0.0			(14' - 16') Dark gray coarse SAND with rock fragments, trace clay, saturated	14	
15							15	
16							16	
17							17	

Soil boring terminated at 16 ft bgs.

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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Boring Log SB-10

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Op-Tech
Driller: RBuley
Method: Geoprobe

Boring ID: SB-10
Casing Elevation: NA
Total Depth: 16 ft bgs
Water Table Elevation: NA
Start Date: 4-11-06
End Date: 4-12-06

Screen Length: NA
Diameter: NA
PVC Type: NA
Slot Size: NA
Casing Length: NA
Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
1	*SB-10 Surface	0' - 2'	0.0	HC	HC	(0' - 2') Brown fine to medium SAND, dry	1	
2		2' - 4'	0.0	HC	HC	(2' - 4') Brown fine to medium SAND, trace silt and clay, moist	2	
3							3	
4		4' - 8'	0.0	GP	48"/48"	(4' - 6') Olive-brown CLAY, moist	4	
5							5	
6			0.0			(6' - 8') Olive-brown CLAY, moist	6	
7							7	
8		8' - 12'	0.0	GP	48"/48"	(8' - 10') Olive-brown CLAY, moist	8	
9							9	
10	*SB-10 (10-12')		0.0			(10' - 12') Olive-brown CLAY, moist	10	
11							11	
12		12' - 16'	0.0	GP	48"/48"	(12' - 14') Olive-brown CLAY, **saturated at approximately 12 feet**	12	
13							13	
14			0.0			(14' - 15') Brown coarse SAND, some clay, saturated	14	
15			0.0			(15' - 16') Gray coarse SAND, some clay, saturated	15	
16							16	
17							17	

Soil boring terminated at 16 ft bgs.

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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Boring Log SB-11

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Op-Tech
Driller: RBuley
Method: Geoprobe

Boring ID: SB-11
Casing Elevation: NA
Total Depth: 16 ft bgs
Water Table Elevation: NA
Start Date: 4-11-06
End Date: 4-12-06

Screen Length: NA
Diameter: NA
PVC Type: NA
Slot Size: NA
Casing Length: NA
Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
1	*SB-11 Surface	0' - 2'	0.0	HC	HC	(0' - 2') Brown medium to coarse SAND with some clay, moist	1	
2	*SB-11 (2-4')	2' - 4'	0.0	HC	HC	(2' - 4') Brown medium to coarse SAND with some clay, moist	2	
3							3	
4		4' - 8'	0.0	GP	48"/48"	(4' - 6') Brown-gray CLAY with trace coarse sand, **saturated at approximately 4 feet**	4	
5							5	
6			0.0			(6' - 8') Brown-gray CLAY with trace coarse sand, saturated	6	
7							7	
8		8' - 12'	0.0	GP	36"/48"	(8' - 10') Olive-gray CLAY with trace coarse sand and gravel, saturated	8	
9							9	
10			0.0			(10' - 12') Olive-gray CLAY with trace coarse sand and gravel, saturated	10	
11							11	
12		12' - 16'	0.0	GP	12"/48"	(12' - 14') Gray CLAY with trace coarse sand, saturated	12	
13							13	
14			0.0			(14' - 16') Gray CLAY with trace coarse sand, saturated	14	
15							15	
16							16	
17							17	

Soil boring terminated at 16 ft bgs.

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

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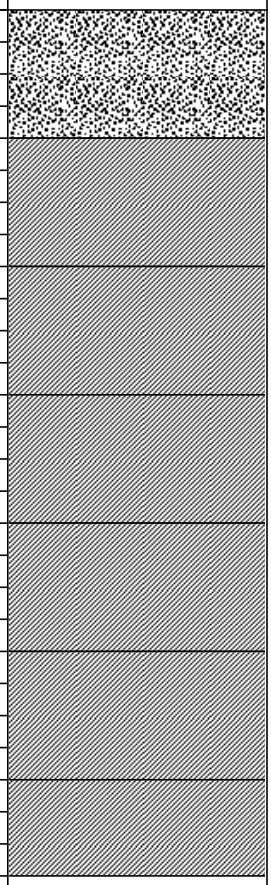
Boring Log
SB-12

Project: Former Martins Gulf Station	Boring ID: SB-12	Screen Length: NA
Client: Town of Fort Covington	Casing Elevation: NA	Diameter: NA
Location: Chateaugay and Salmon Street, Fort Covington	Total Depth: 13.5 ft bgs	PVC Type: NA
Drilling Co.: Op-Tech	Water Table Elevation: NA	Slot Size: NA
Driller: RBuley	Start Date: 4-11-06	Casing Length: NA
Method: Geoprobe	End Date: 4-12-06	Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description
0		0' - 2'	0.0	HC	HC	(0' - 2') Brown medium SAND, dry
2		2' - 4'	0.0	HC	HC	(2' - 4') Brown CLAY, some sand, moist
4		4' - 8'	0.0	GP	48"/48"	(4' - 6') Brown CLAY, trace sand, trace organics, moist
6			0.0			(6' - 8') Brown CLAY, moist
8	*SB-12 (8-10')	8' - 12'	0.0	GP	48"/48"	(8' - 10') Brown CLAY, moist
10			0.0			(10' - 12') Brown CLAY, wet to saturated, **saturated at approximately 10 fee**t
12		12' - 13.5'	0.0	GP	18"/18"	(12' - 13.5') Brown CLAY with coarse sand and gravel, saturated Refusal at 13.5'
14						
16						

Depth (feet): 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17

Lithology



Soil boring terminated at 13.5 ft bgs

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

Logged by: AEtringer

KLEINFELDER

7 Airport Park Boulevard, Latham, New York 12110
Phone: (518) 786-8750 Fax: (518) 786-8755

Boring Log SB-13

Project: Former Martins Gulf Station
Client: Town of Fort Covington
Location: Chateaugay and Salmon Street, Fort Covington
Drilling Co.: Op-Tech
Driller: RBuley
Method: Geoprobe

Boring ID: SB-13
Casing Elevation: NA
Total Depth: 16 ft bgs
Water Table Elevation: NA
Start Date: 4-11-06
End Date: 4-12-06

Screen Length: NA
Diameter: NA
PVC Type: NA
Slot Size: NA
Casing Length: NA
Diameter: NA

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (")	Description	Depth (feet)	Lithology
0		0' - 2'	0.0	HC	HC	(0' - 2') Brown CLAY, some sand, dry	0	
1							1	
2		2' - 4'	0.0	HC	HC	(2' - 4') Brown CLAY, some sand, moist	2	
3							3	
4		4' - 8'	0.0	GP	48"/48"	(4' - 6') Brown CLAY, trace medium sand, moist	4	
5							5	
6	*SB-13 (6-8')		36.8			(6' - 8') Olive-brown CLAY, moist to wet	6	
7							7	
8		8' - 12'	10.0	GP	36"/48"	(8' - 10') Gray-brown CLAY, some sand, slight petroleum odor, wet	8	
9							9	
10			2.1			(10' - 12') Gray-brown CLAY, some sand, trace rock fragments, slight petroleum odor, **saturated at approximately 10 fee**t	10	
11							11	
12		12' - 16'	0.0	GP	12"/48"	(12' - 14') Gray-brown coarse SAND, saturated	12	
13							13	
14			0.0			(14' - 16') Gray-brown coarse SAND, saturated	14	
15							15	
16							16	
17							17	

Soil boring terminated at 16 ft bgs.

Notes:

HC - Hand Clear
GP - Geoprobe
NA - Not Available
* - Denotes Sample collected for laboratory analysis
ft bgs - feet below ground surface
" - inches

PID - photoionization detector
ppmv - parts per million by volume

Logged by: AEtringer

KLEINFELDER
7 Airport Park Boulevard Latham, NewYork
Phone: (518) 786-8750 Fax: (518) 786-8755

Well Log

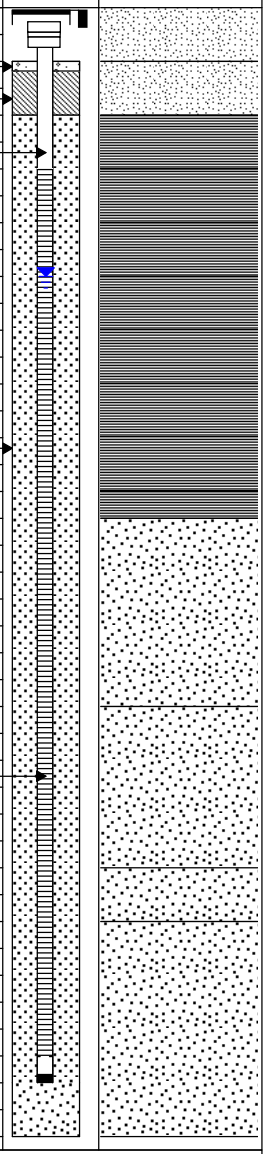
SB-13A/ MW-7

Project: Fort Covington
Client: Town of Fort Covington
Location: 2510 Chateaugay St., Fort Covington, N.Y. 12937
Drilling Co.: OPTECH
Driller: Joseph Maselli
Method: Geoprobe/Hollow Stem Auger

Boring ID: SB-13/MW-7
Casing Elevation: NSVD
Total Depth: 20
Depth to First Observed Water: 5'
Start Date: 6/20/07
End Date: 6/20/07

Screen Length: 17'
Diameter: 2"
PVC Type: Schedule 40
Slot Size: 0.010"
Casing Length: 3'
Diameter: 2"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (inches)	Description
	SB-13 (0 - 2')	0' - 1'	0.0	VC	VC	Brown fine SAND, Organic-rich
1		1' - 2'	0.0	VC	VC	Brown fine SAND, Organic-rich (wood)
2		2' - 3'	0.0	VC	VC	Brown to Grey SILT and CLAY
3	SB-13/ MW-7 (3' - 4')	3' - 4'	0.0	VC	VC	Brown to Grey SILT and CLAY
4		4' - 5'	0.0	VC	VC	Brown to Grey SILT and CLAY, wet
5		5' - 9'	0.0	NA	48"/48"	Brown SILT and CLAY, wet
6						
7						
8						
9		9' - 13'	1.9	NA	48"/48"	Brown SILT and CLAY, wet
10						Brown coarse SAND, wet
11						
12						
13		13' - 17'	0.0	NA	48"/48"	Brown coarse SAND, wet
14						
15						
16						Grey coarse SAND
17		17' - 21'	0.0	NA	48"/48"	Grey coarse SAND, little fine Gravel
18						
19						
20						
21						



Notes:

VC	Vacuum Clear	fbg	Feet below grade
NA	Not Available	NS	Not Sampled
*	Denotes Sample collected for laboratory analysis	NR	No Recovery
		ppmv	parts per million by volume

Logged by: Jason Bateman

KLEINFELDER
7 Airport Boulevard, Latham, New York
Phone: (518) 786-8750 Fax: (518) 786-8755

Bore Log

SB-14

Project: Fort Covington
Client: Town of Fort Covington
Location: 2510 Chateaugay St., Fort Covington, N.Y. 12937
Drilling Co.: OPTECH
Driller: Joseph Maselli
Method: Geoprobe

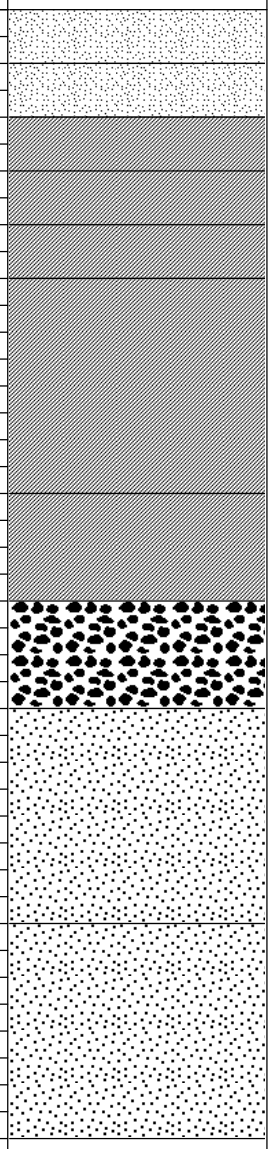
Boring ID: SB-14
Casing Elevation: NSVD
Total Depth: 21
Depth to First Observed Water: 5'
Start Date: 6/19/07
End Date: 6/19/07

Screen Length: -
Diameter: -
PVC Type: -
Slot Size: -
Casing Length: -
Diameter: -

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (inches)	Description
		0' - 1'	0.5	VC	VC	Brown fine SAND, little fine Gravel
1		1' - 2'	0.0	VC	VC	Brown fine SAND, some medium Gravel
2		2' - 3'	0.0	VC	VC	Brown CLAY and SILT
3	SB-14 (3' - 4')	3' - 4'	0.0	VC	VC	Brown CLAY and SILT
4		4' - 5'	0.0	VC	VC	Brown CLAY and SILT
5		5' - 9'	0.0	NA	48"/48"	Brown CLAY and SILT, wet
9		9' - 11'	0.0	NA	24"/48"	Brown CLAY and SILT
11		11' - 13'	0.0	NA		GRAVEL (lithic fragments), little Sand, wet
13		13' - 17'	0.0	NA	48"/48"	Grey medium to coarse SAND, some fine to medium Gravel, wet
17		17' - 21'	0.0	NA	48"/48"	Grey medium to coarse SAND, some fine to medium Gravel, wet
21						

Depth (feet): 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

Lithology



Notes:

VC	Vacuum Clear	fbg	Feet below grade
NA	Not Available	NSVD	Not Surveyed to Vertical Datum
BDL	Below Instrument Detection Limit of 0.1 ppmv	ppmv	Parts Per Million by Volume

Logged by: Jason Bateman

KLEINFELDER
7 Airport Boulevard, Latham, New York
Phone: (518) 786-8750 Fax: (518) 786-8755

Bore Log

SB-15

Project: Fort Covington
Client: Town of Fort Covington
Location: 2510 Chateaugay St., Fort Covington, N.Y. 12937
Drilling Co.: OPTECH
Driller: Joseph Maselli
Method: Geoprobe

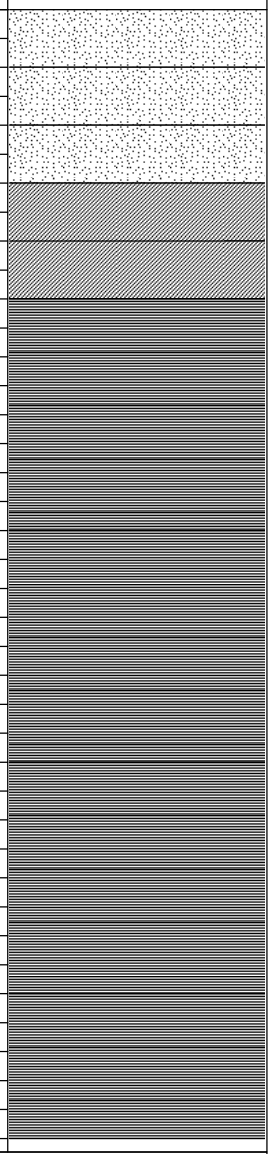
Boring ID: SB-15
Casing Elevation: NSVD
Total Depth: 19.5
Depth to First Observed Water: 5'
Start Date: 6/19/07
End Date: 6/19/07

Screen Length: -
Diameter: -
PVC Type: -
Slot Size: -
Casing Length: -
Diameter: -

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (inches)	Description
		0' - 1'	0.0	VC	VC	Brown fine SAND
1		1' - 2'	0.0	VC	VC	
2		2' - 3'	0.0	VC	VC	Brown fine SAND
3	SB-15 (3' - 4')	3' - 4'	0.0	VC	VC	Grey SILT and CLAY
4		4' - 5'	0.0	VC	VC	Grey SILT and CLAY, wet
5		5' - 9'	0.0	NA	48"/48"	Grey SILT and CLAY
6						
7						
8						
9		9' - 13'	0.0	NA	48"/48"	Grey SILT and CLAY, wet
10						
11						
12						
13		13' - 17'	0.0	NA	40"/48"	Grey SILT and CLAY, wet
14						
15						
16						
17		17'-19.5'	0.0	NA	6"/48"	Grey SILT and CLAY, wet
18						
19						

Depth (feet)

Lithology



Notes:

VC	Vacuum Clear	fbg	Feet below grade
NA	Not Available	NSVD	Not Surveyed to Vertical Datum
BDL	Below Instrument Detection Limit of 0.1 ppmv	ppmv	Parts Per Million by Volume

Logged by: Jason Bateman

KLEINFELDER
7 Airport Park Boulevard Latham, NewYork
Phone: (518) 786-8750 Fax: (518) 786-8755

Well Log

SB-16/ MW-8

Project: Fort Covington
Client: Town of Fort Covington
Location: 2510 Chateaugay St., Fort Covington, N.Y. 12937
Drilling Co.: OPTECH
Driller: Joseph Maselli
Method: Geoprobe/Hollow Stem Auger

Boring ID: SB-16/MW-8
Casing Elevation: NSVD
Total Depth: 21
Depth to First Observed Water: 4'
Start Date: 6/19/07
End Date: 6/19/07

Screen Length: 17'
Diameter: 2"
PVC Type: Schedule 40
Slot Size: 0.010"
Casing Length: 3'
Diameter: 2"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (inches)	Description
	SB-16 (0 - 2')	0' - 1'	0.0	VC	VC	Brown fine SAND, Topsoil with organics. Fill includes bits of asphalt shingles. Avoided in samples
1		1' - 2'	0.0	VC	VC	Backfill
2	SB-16 / MW-8 (2' - 3')	2' - 3'	0.0	VC	VC	Brown SAND Bentonite Seal Brown SAND
3		3' - 4'	0.0	VC	VC	2" PVC Riser Brown CLAY, wet
4		4' - 5'	0.0	VC	VC	CLAY, wet
5		5' - 9'	0.0	NA	48"/48"	Brown to grey SILT and CLAY, wet
6						
7						
8						No. 2 Sand
9		9' - 13'	0.0	NA	48"/48"	Brown to grey SILT and CLAY, wet
10						
11						
12						
13		13' - 17'	0.0	NA	48"/48"	Brown to grey SILT and CLAY, trace fine brown Sand, wet
14						2" 0.010" Slot Screen
15						
16						
17		17' - 21'	0.0	NA	48"/48"	Grey CLAY and SILT, wet
18						
19						
20						
21						

Depth (feet) | Well Diagram | Lithology

Notes:

VC	Vacuum Clear
NA	Not Available
*	Denotes Sample collected for laboratory analysis
fbg	Feet below grade
NS	Not Sampled
NR	No Recovery
ppmv	parts per million by volume

Logged by: Jason Bateman

KLEINFELDER

7 Airport Boulevard, Latham, New York
Phone: (518) 786-8750 Fax: (518) 786-8755

Bore Log

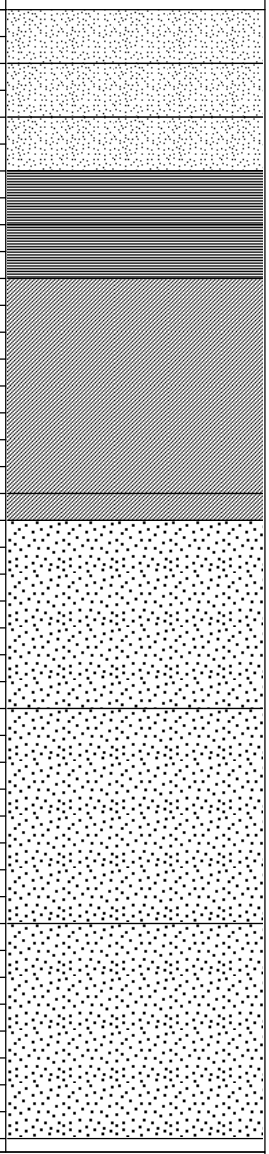
SB-17

Project: Fort Covington
Client: Town of Fort Covington
Location: 2510 Chateaugay St., Fort Covington, N.Y. 12937
Drilling Co.: OPTECH
Driller: Joseph Maselli
Method: Geoprobe

Boring ID: SB-17
Casing Elevation: NSVD
Total Depth: 20
Depth to First Observed Water: 5'
Start Date: 6/20/07
End Date: 6/20/07

Screen Length: -
Diameter: -
PVC Type: -
Slot Size: -
Casing Length: -
Diameter: -

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (inches)	Description
		0' - 1'	0.0	VC	VC	Brown SAND
1		1' - 2'	0.0	VC	VC	Brown SAND
2		2' - 3'	0.0	VC	VC	Brown SAND
3	SB-17 (3' - 4')	3' - 4'	0.0	VC	VC	Brown SILT and CLAY, trace Sand
4		4' - 5'	1.9	VC	VC	Brown SILT and CLAY, trace Sand, wet
5		5' - 9'	0.0	NA	48"/48"	Brown CLAY and SILT, wet
9		9' - 9.5'	0.0	NA	48"/48"	Brown CLAY and SILT, wet
		9.5'-13	0.0	NA		Brown coarse SAND, and Gravel (lithic fragments), wet
13		13' - 17'	0.0	NA	40"/48"	Brown coarse SAND, and Gravel (lithic fragments), wet
17		17' - 21'	0.0	NA	6"/48"	Brown coarse SAND, and Gravel (lithic fragments), wet



Notes:

VC	Vacuum Clear	fbg	Feet below grade
NA	Not Available	NSVD	Not Surveyed to Vertical Datum
BDL	Below Instrument Detection Limit of 0.1 ppmv	ppmv	Parts Per Million by Volume

Logged by: Jason Bateman

KLEINFELDER
7 Airport Boulevard, Latham, New York
Phone: (518) 786-8750 Fax: (518) 786-8755

Bore Log

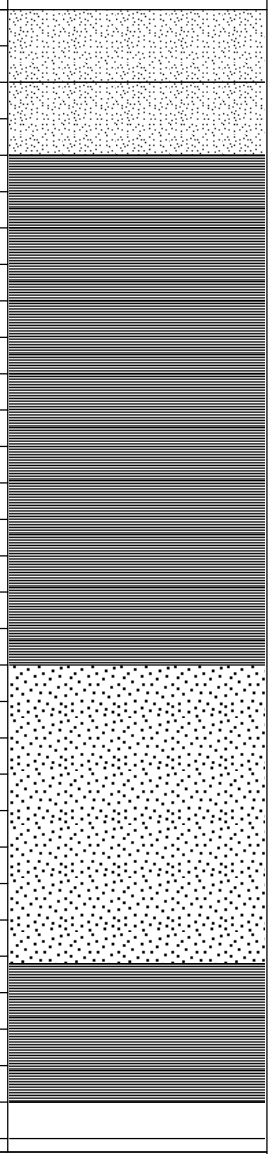
SB-18

Project: Fort Covington
Client: Town of Fort Covington
Location: 2510 Chateaugay St., Fort Covington, N.Y. 12937
Drilling Co.: OPTECH
Driller: Joseph Maselli
Method: Geoprobe

Boring ID: SB-18
Casing Elevation: NSVD
Total Depth: 15
Depth to First Observed Water: 5'
Start Date: 6/21/07
End Date: 6/21/07

Screen Length: -
Diameter: -
PVC Type: -
Slot Size: -
Casing Length: -
Diameter: -

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (inches)	Description
		0' - 1'	0.0	VC	VC	Brown SAND, some fine Gravel
1		1' - 2'	0.0	VC	VC	Brown SAND, some fine Gravel
2		2' - 3'	0.0	VC	VC	Brown SILT and CLAY, trace fine Sand
3	SB-18 (3' - 4')	3' - 4'	0.0	VC	VC	Brown SILT and CLAY, moist
4		4' - 5'	0.0	VC	VC	Brown SILT and CLAY, wet
5		5' - 9'	0.0	NA	36"/48"	Brown to Grey SILT and CLAY, wet
6						
7						
8						
9		9' - 13'	0.0	NA	40"/48"	Brown coarse SAND, wet
10						
11						
12						
13		13' - 15'	0.0	NA	24"/48"	Brown coarse SAND, Rock fragments lodged in split spoon head, wet
14						
15						Boring Refusal @ 15fbg



Notes:

VC	Vacuum Clear	fbg	Feet below grade
NA	Not Available	NSVD	Not Surveyed to Vertical Datum
BDL	Below Instrument Detection Limit of 0.1 ppmv	ppmv	Parts Per Million by Volume

Logged by: Jason Bateman

KLEINFELDER
7 Airport Boulevard, Latham, New York
Phone: (518) 786-8750 Fax: (518) 786-8755

Bore Log

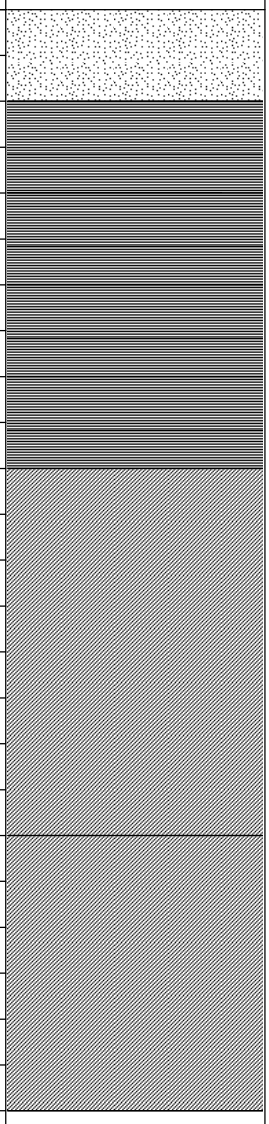
SB-19

Project: Fort Covington
Client: Town of Fort Covington
Location: 2510 Chateaugay St., Fort Covington, N.Y. 12937
Drilling Co.: OPTECH
Driller: Joseph Maselli
Method: Geoprobe

Boring ID: SB-19
Casing Elevation: NSVD
Total Depth: 12
Depth to First Observed Water: 5'
Start Date: 6/21/07
End Date: 6/21/07

Screen Length: -
Diameter: -
PVC Type: -
Slot Size: -
Casing Length: -
Diameter: -

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (inches)	Description
		0' - 1'	0.0	VC	VC	Brown SAND, little Silt, little fine Gravel
1		1' - 2'	0.0	VC	VC	Brown SILT, trace Sand, trace Clay
2		2' - 3'	0.0	VC	VC	Brown SILT, trace Clay
3	SB-19 (3' - 4')	3' - 4'	0.0	VC	VC	Brown SILT, trace Clay
4		4' - 5'	0.0	VC	VC	Brown SILT, trace Clay, wet
5		5' - 9'	0.3	NA	48"/48"	Brown CLAY and SILT, wet
9		9' - 12'	0.0	NA	24"/48"	Brown CLAY and SILT. Rock fragments lodged in split spoon head, wet
12						Boring Refusal @ 12fgg



Notes:

VC	Vacuum Clear	fbg	Feet below grade
NA	Not Available	NSVD	Not Surveyed to Vertical Datum
BDL	Below Instrument Detection Limit of 0.1 ppmv	ppmv	Parts Per Million by Volume

Logged by: Jason Bateman

KLEINFELDER

7 Airport Park Boulevard Latham, NewYork
Phone: (518) 786-8750 Fax: (518) 786-8755

Well Log

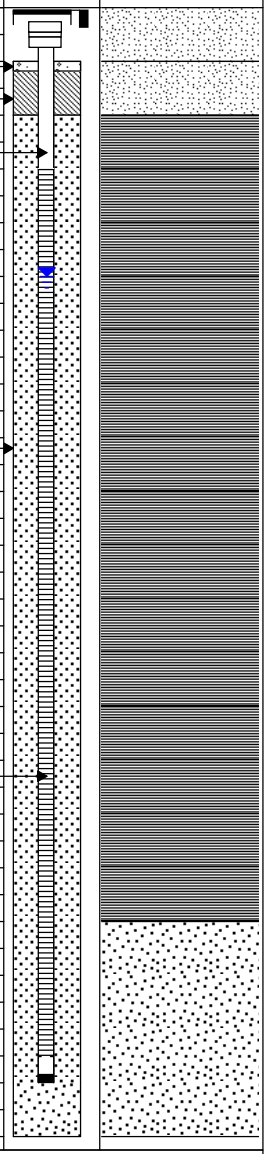
SB-20/ MW-9

Project: Fort Covington
Client: Town of Fort Covington
Location: 2510 Chateaugay St., Fort Covington, N.Y. 12937
Drilling Co.: OPTECH
Driller: Joseph Maselli
Method: Geoprobe/Hollow Stem Auger

Boring ID: SB-20/MW-9
Casing Elevation: NSVD
Total Depth: 20
Depth to First Observed Water: 5'
Start Date: 6/20/07
End Date: 6/20/07

Screen Length: 17'
Diameter: 2"
PVC Type: Schedule 40
Slot Size: 0.010"
Casing Length: 3'
Diameter: 2"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (inches)	Description
		0' - 1'	0.0	VC	VC	Brown fine SAND and fine Gravel
1		1' - 2'	0.0	VC	VC	Brown SAND
2		2' - 3'	0.0	VC	VC	Brown SILT and CLAY
3	SB-20 / MW-9 (3' - 4')	3' - 4'	0.0	VC	VC	Brown SILT and CLAY: SB-201(3' - 4') collected as duplicate of SB-20 (3' - 4')
4		4' - 5'	0.0	VC	VC	
5		5' - 9'	0.0	NA	48"/48"	Brown SILT and CLAY, wet
6						Brown to grey SILT and CLAY, moist
7						
8						
9		9' - 13'	0.0	NA	48"/48"	Brown SILT and CLAY, wet
10						
11						
12						
13		13' - 17'	0.0	NA	48"/48"	Grey SILT and CLAY, little fine Sand, wet
14						
15						
16						
17		17' - 21'	0.0	NA	48"/48"	Grey coarse SAND, wet
18						
19						
20						
21						



Notes:

VC	Vacuum Clear
NA	Not Available
*	Denotes Sample collected for laboratory analysis
fbg	Feet below grade
NS	Not Sampled
NR	No Recovery
ppmv	parts per million by volume

Logged by: Jason Bateman

KLEINFELDER
7 Airport Boulevard, Latham, New York
Phone: (518) 786-8750 Fax: (518) 786-8755

Bore Log

SB-21

Project: Fort Covington
Client: Town of Fort Covington
Location: 2510 Chateaugay St., Fort Covington, N.Y. 12937
Drilling Co.: OPTECH
Driller: Joseph Maselli
Method: Geoprobe

Boring ID: SB-21
Casing Elevation: NSVD
Total Depth: 21
Depth to First Observed Water: 5'
Start Date: 6/21/07
End Date: 6/21/07

Screen Length: -
Diameter: -
PVC Type: -
Slot Size: -
Casing Length: -
Diameter: -

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Blow / 6"	Recovery / Penetration (inches)	Description	Depth (feet)	Lithology
		0' - 1'	0.0	VC	VC	Brown SAND, some Cobbles		
1		1' - 2'	0.0	VC	VC	Brown SAND, some Cobbles	1	
2		2' - 3'	0.0	VC	VC	SAND, some Cobbles (fill material (bricks))	2	
3	SB-21 (3' - 4')	3' - 4'	0.0	VC	VC	Brown CLAY and SILT	3	
4		4' - 5'	0.0	VC	VC	Brown to grey CLAY and SILT, wet	4	
5		5' - 9'	0.3	NA	48"/48"	Brown to grey CLAY and SILT, wet	5	
6							6	
7							7	
8							8	
9		9' - 13'	0.0	NA	48"/48"	Brown to grey CLAY and SILT, wet	9	
10							10	
11							11	
12							12	
13		13' - 17'	0.3	NA	48"/48"	Brown to grey CLAY and SILT, with a 1" lens of Sand @ 14', wet	13	
14							14	
15							15	
16							16	
17		17' - 21'	0.0	NA	15"/48"	Brown to grey CLAY and SILT, wet	17	
18							18	
19							19	
20							20	
21							21	

Notes:

VC	Vacuum Clear	fbg	Feet below grade
NA	Not Available	NSVD	Not Surveyed to Vertical Datum
BDL	Below Instrument Detection Limit of 0.1 ppmv	ppmv	Parts Per Million by Volume

Logged by: Jason Bateman

APPENDIX D

Community Air Monitoring Data (VOC's)

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 394 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
1	06/19/2007 08:30	0.0	0.4	0.0	0.0	20.9
2	06/19/2007 08:31	0.0	0.4	0.0	0.0	20.9
3	06/19/2007 08:32	0.0	0.4	0.0	0.0	20.9
4	06/19/2007 08:33	0.0	0.5	0.0	0.0	20.9
5	06/19/2007 08:34	0.0	0.4	0.0	0.0	20.9
6	06/19/2007 08:35	0.0	0.4	0.0	0.0	20.9
7	06/19/2007 08:36	0.0	0.3	0.1	0.0	20.9
8	06/19/2007 08:37	0.0	0.3	0.1	0.0	20.9
9	06/19/2007 08:38	0.0	0.3	0.1	0.0	20.9
10	06/19/2007 08:39	0.0	0.2	0.1	0.0	20.9
11	06/19/2007 08:40	0.0	0.1	0.1	0.0	20.9
12	06/19/2007 08:41	0.0	0.0	0.1	0.0	20.9
13	06/19/2007 08:42	0.0	0.0	0.1	0.0	20.9
14	06/19/2007 08:43	0.0	0.0	0.1	0.0	20.9
15	06/19/2007 08:44	0.0	0.0	0.1	0.0	20.9
16	06/19/2007 08:45	0.0	0.0	0.1	0.0	20.9
17	06/19/2007 08:46	0.0	0.0	0.1	0.0	20.9
18	06/19/2007 08:47	0.0	0.0	0.0	0.0	20.9
19	06/19/2007 08:48	0.0	0.0	0.0	0.0	20.9
20	06/19/2007 08:49	0.0	0.0	0.1	0.0	20.9
21	06/19/2007 08:50	0.0	0.0	0.1	0.0	20.9
22	06/19/2007 08:51	0.0	0.0	0.0	0.0	20.9
23	06/19/2007 08:52	0.0	0.0	0.0	0.0	20.9
24	06/19/2007 08:53	0.0	0.0	0.0	0.0	20.9
25	06/19/2007 08:54	0.0	0.0	0.0	0.0	20.9
26	06/19/2007 08:55	0.0	0.0	0.0	0.0	20.9
27	06/19/2007 08:56	0.0	0.0	0.0	0.0	20.9
28	06/19/2007 08:57	0.0	0.0	0.0	0.0	20.9
29	06/19/2007 08:58	0.0	0.0	0.0	0.0	20.9
30	06/19/2007 08:59	0.0	0.0	0.0	0.0	20.9
31	06/19/2007 09:00	0.0	0.0	0.0	0.0	20.9
32	06/19/2007 09:01	0.0	0.0	0.0	0.0	20.9
33	06/19/2007 09:02	0.0	0.0	0.0	0.0	20.9
34	06/19/2007 09:03	0.0	0.0	0.0	0.0	20.9
35	06/19/2007 09:04	0.0	0.0	0.0	0.0	20.9
36	06/19/2007 09:05	0.0	0.0	0.0	0.0	20.9
37	06/19/2007 09:06	0.0	0.0	0.0	0.0	20.9
38	06/19/2007 09:07	0.0	0.0	0.0	0.0	20.9
39	06/19/2007 09:08	0.0	0.0	0.0	0.0	20.9
40	06/19/2007 09:09	0.0	0.0	0.0	0.0	20.9
41	06/19/2007 09:10	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 394 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
42	06/19/2007 09:11	0.0	0.0	0.0	0.0	20.9
43	06/19/2007 09:12	0.0	0.0	0.0	0.0	20.9
44	06/19/2007 09:13	0.0	0.0	0.0	0.0	20.9
45	06/19/2007 09:14	0.0	0.0	0.0	0.0	20.9
46	06/19/2007 09:15	0.0	0.0	0.0	0.0	20.9
47	06/19/2007 09:16	0.0	0.0	0.0	0.0	20.9
48	06/19/2007 09:17	0.0	0.0	0.0	0.0	20.9
49	06/19/2007 09:18	0.0	0.0	0.0	0.0	20.9
50	06/19/2007 09:19	0.0	0.0	0.0	0.0	20.9
51	06/19/2007 09:20	0.0	0.0	0.0	0.0	20.9
52	06/19/2007 09:21	0.0	0.0	0.0	0.0	20.9
53	06/19/2007 09:22	0.0	0.0	0.0	0.0	20.9
54	06/19/2007 09:23	0.0	0.0	0.0	0.0	20.9
55	06/19/2007 09:24	0.0	0.0	0.0	0.0	20.9
56	06/19/2007 09:25	0.0	0.0	0.0	0.0	20.9
57	06/19/2007 09:26	0.0	0.0	0.0	0.0	20.9
58	06/19/2007 09:27	0.0	0.0	0.0	0.0	20.9
59	06/19/2007 09:28	0.0	0.0	0.0	0.0	20.9
60	06/19/2007 09:29	0.0	0.0	0.0	0.0	20.9
61	06/19/2007 09:30	0.0	0.0	0.0	0.0	20.9
62	06/19/2007 09:31	0.0	0.0	0.0	0.0	20.9
63	06/19/2007 09:32	0.0	0.0	0.0	0.0	20.9
64	06/19/2007 09:33	0.0	0.0	0.0	0.0	20.9
65	06/19/2007 09:34	0.0	0.0	0.0	0.0	20.9
66	06/19/2007 09:35	0.0	0.0	0.0	0.0	20.9
67	06/19/2007 09:36	0.0	0.0	0.0	0.0	20.9
68	06/19/2007 09:37	0.0	0.0	0.0	0.0	20.9
69	06/19/2007 09:38	0.0	0.0	0.0	0.0	20.9
70	06/19/2007 09:39	0.0	0.0	0.0	0.0	20.9
71	06/19/2007 09:40	0.0	0.0	0.0	0.0	20.9
72	06/19/2007 09:41	0.0	0.0	0.0	0.0	20.9
73	06/19/2007 09:42	0.0	0.0	0.0	0.0	20.9
74	06/19/2007 09:43	0.0	0.0	0.0	0.0	20.9
75	06/19/2007 09:44	0.0	0.0	0.0	0.0	20.9
76	06/19/2007 09:45	0.0	0.0	0.0	0.0	20.9
77	06/19/2007 09:46	0.0	0.0	0.0	0.0	20.9
78	06/19/2007 09:47	0.0	0.0	0.0	0.0	20.9
79	06/19/2007 09:48	0.0	0.0	0.0	0.0	20.9
80	06/19/2007 09:49	0.0	0.0	0.0	0.0	20.9
81	06/19/2007 09:50	0.0	0.0	0.0	0.0	20.9
82	06/19/2007 09:51	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 394 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
83	06/19/2007 09:52	0.0	0.0	0.0	0.0	20.9
84	06/19/2007 09:53	0.0	0.0	0.0	0.0	20.9
85	06/19/2007 09:54	0.0	0.0	0.0	0.0	20.9
86	06/19/2007 09:55	0.0	0.0	0.0	0.0	20.9
87	06/19/2007 09:56	0.0	0.0	0.0	0.0	20.9
88	06/19/2007 09:57	0.0	0.0	0.0	0.0	20.9
89	06/19/2007 09:58	0.0	0.0	0.0	0.0	20.9
90	06/19/2007 09:59	0.0	0.0	0.0	0.0	20.9
91	06/19/2007 10:00	0.0	0.0	0.0	0.0	20.9
92	06/19/2007 10:01	0.0	0.0	0.0	0.0	20.9
93	06/19/2007 10:02	0.0	0.0	0.0	0.0	20.9
94	06/19/2007 10:03	0.0	0.0	0.0	0.0	20.9
95	06/19/2007 10:04	0.0	0.0	0.0	0.0	20.9
96	06/19/2007 10:05	0.0	0.0	0.0	0.0	20.9
97	06/19/2007 10:06	0.0	0.0	0.0	0.0	20.9
98	06/19/2007 10:07	0.0	0.0	0.0	0.0	20.9
99	06/19/2007 10:08	0.0	0.0	0.0	0.0	20.9
100	06/19/2007 10:09	0.0	0.0	0.0	0.0	20.9
101	06/19/2007 10:10	0.0	0.0	0.0	0.0	20.9
102	06/19/2007 10:11	0.0	0.0	0.0	0.0	20.9
103	06/19/2007 10:12	0.0	0.0	0.0	0.0	20.9
104	06/19/2007 10:13	0.0	0.0	0.0	0.0	20.9
105	06/19/2007 10:14	0.0	0.0	0.0	0.0	20.9
106	06/19/2007 10:15	0.0	0.0	0.0	0.0	20.9
107	06/19/2007 10:16	0.0	0.0	0.0	0.0	20.9
108	06/19/2007 10:17	0.0	0.0	0.0	0.0	20.9
109	06/19/2007 10:18	0.0	0.0	0.0	0.0	20.9
110	06/19/2007 10:19	0.0	0.0	0.0	0.0	20.9
111	06/19/2007 10:20	0.0	0.0	0.0	0.0	20.9
112	06/19/2007 10:21	0.0	0.0	0.0	0.0	20.9
113	06/19/2007 10:22	0.0	0.0	0.0	0.0	20.9
114	06/19/2007 10:23	0.0	0.0	0.0	0.0	20.9
115	06/19/2007 10:24	0.0	0.0	0.0	0.0	20.9
116	06/19/2007 10:25	0.0	0.0	0.0	0.0	20.9
117	06/19/2007 10:26	0.0	0.0	0.0	0.0	20.9
118	06/19/2007 10:27	0.0	0.0	0.0	0.0	20.9
119	06/19/2007 10:28	0.0	0.0	0.0	0.0	20.9
120	06/19/2007 10:29	0.0	0.0	0.0	0.0	20.9
121	06/19/2007 10:30	0.0	0.0	0.0	0.0	20.9
122	06/19/2007 10:31	0.0	0.0	0.0	0.0	20.9
123	06/19/2007 10:32	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 394 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:			CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:			200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:			35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
124	06/19/2007	10:33	0.0	0.0	0.0	0.0	20.9
125	06/19/2007	10:34	0.0	0.0	0.0	0.0	20.9
126	06/19/2007	10:35	0.0	0.0	0.0	0.0	20.9
127	06/19/2007	10:36	0.0	0.0	0.0	0.0	20.9
128	06/19/2007	10:37	0.0	0.0	0.0	0.0	20.9
129	06/19/2007	10:38	0.0	0.0	0.0	0.0	20.9
130	06/19/2007	10:39	0.0	0.0	0.0	0.0	20.9
131	06/19/2007	10:40	0.0	0.0	0.1	0.0	20.9
132	06/19/2007	10:41	0.0	0.0	0.1	0.0	20.9
133	06/19/2007	10:42	0.0	0.0	0.1	0.0	20.9
134	06/19/2007	10:43	0.0	0.0	0.1	0.0	20.9
135	06/19/2007	10:44	0.0	0.0	0.1	0.0	20.9
136	06/19/2007	10:45	0.0	0.0	0.1	0.0	20.9
137	06/19/2007	10:46	0.0	0.0	0.1	0.0	20.9
138	06/19/2007	10:47	0.0	0.0	0.1	0.0	20.9
139	06/19/2007	10:48	0.0	0.0	0.1	0.0	20.9
140	06/19/2007	10:49	0.0	0.0	0.1	0.0	20.9
141	06/19/2007	10:50	0.0	0.0	0.1	0.0	20.9
142	06/19/2007	10:51	0.0	0.0	0.1	0.0	20.9
143	06/19/2007	10:52	0.0	0.0	0.1	0.0	20.9
144	06/19/2007	10:53	0.0	0.0	0.1	0.0	20.9
145	06/19/2007	10:54	0.0	0.0	0.1	0.0	20.9
146	06/19/2007	10:55	0.0	0.0	0.1	0.0	20.9
147	06/19/2007	10:56	0.0	0.0	0.1	0.0	20.9
148	06/19/2007	10:57	0.0	0.0	0.1	0.0	20.9
149	06/19/2007	10:58	0.0	0.0	0.1	0.0	20.9
150	06/19/2007	10:59	0.0	0.0	0.1	0.0	20.9
151	06/19/2007	11:00	0.0	0.0	0.1	0.0	20.9
152	06/19/2007	11:01	0.0	0.0	0.1	0.0	20.9
153	06/19/2007	11:02	0.0	0.0	0.1	0.0	20.9
154	06/19/2007	11:03	0.0	0.0	0.1	0.0	20.9
155	06/19/2007	11:04	0.0	0.0	0.1	0.0	20.9
156	06/19/2007	11:05	0.0	0.0	0.1	0.0	20.9
157	06/19/2007	11:06	0.0	0.0	0.1	0.0	20.9
158	06/19/2007	11:07	0.0	0.0	0.1	0.0	20.9
159	06/19/2007	11:08	0.0	0.0	0.1	0.0	20.9
160	06/19/2007	11:09	0.0	0.0	0.1	0.0	20.9
161	06/19/2007	11:10	0.0	0.0	0.1	0.0	20.9
162	06/19/2007	11:11	0.0	0.0	0.1	0.0	20.9
163	06/19/2007	11:12	0.0	0.0	0.1	0.0	20.9
164	06/19/2007	11:13	0.0	0.0	0.1	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 394 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:			CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:			200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:			35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
165	06/19/2007	11:14	0.0	0.0	0.1	0.0	20.9
166	06/19/2007	11:15	0.0	0.0	0.1	0.0	20.9
167	06/19/2007	11:16	0.0	0.0	0.1	0.0	20.9
168	06/19/2007	11:17	0.0	0.0	0.1	0.0	20.9
169	06/19/2007	11:18	0.0	0.0	0.1	0.0	20.9
170	06/19/2007	11:19	0.0	0.0	0.1	0.0	20.9
171	06/19/2007	11:20	0.0	0.0	0.1	0.0	20.9
172	06/19/2007	11:21	0.0	0.0	0.1	0.0	20.9
173	06/19/2007	11:22	0.0	0.0	0.1	0.0	20.9
174	06/19/2007	11:23	0.0	0.0	0.1	0.0	20.9
175	06/19/2007	11:24	0.0	0.0	0.1	0.0	20.9
176	06/19/2007	11:25	0.0	0.0	0.1	0.0	20.9
177	06/19/2007	11:26	0.0	0.0	0.1	0.0	20.9
178	06/19/2007	11:27	0.0	0.0	0.1	0.0	20.9
179	06/19/2007	11:28	0.0	0.0	0.1	0.0	20.9
180	06/19/2007	11:29	0.0	0.0	0.1	0.0	20.9
181	06/19/2007	11:30	0.0	0.0	0.1	0.0	20.9
182	06/19/2007	11:31	0.0	0.0	0.1	0.0	20.9
183	06/19/2007	11:32	0.0	0.0	0.1	0.0	20.9
184	06/19/2007	11:33	0.0	0.0	0.1	0.0	20.9
185	06/19/2007	11:34	0.0	0.0	0.1	0.0	20.9
186	06/19/2007	11:35	0.0	0.0	0.1	0.0	20.9
187	06/19/2007	11:36	0.0	0.0	0.2	0.0	20.9
188	06/19/2007	11:37	0.0	0.0	0.1	0.0	20.9
189	06/19/2007	11:38	0.0	0.0	0.1	0.0	20.9
190	06/19/2007	11:39	0.0	0.0	0.1	0.0	20.9
191	06/19/2007	11:40	0.0	0.0	0.1	0.0	20.9
192	06/19/2007	11:41	0.0	0.0	0.1	0.0	20.9
193	06/19/2007	11:42	0.0	0.0	0.1	0.0	20.9
194	06/19/2007	11:43	0.0	0.0	0.1	0.0	20.9
195	06/19/2007	11:44	0.0	0.0	0.1	0.0	20.9
196	06/19/2007	11:45	0.0	0.0	0.1	0.0	20.9
197	06/19/2007	11:46	0.0	0.0	0.1	0.0	20.9
198	06/19/2007	11:47	0.0	0.0	0.1	0.0	20.9
199	06/19/2007	11:48	0.0	0.0	0.1	0.0	20.9
200	06/19/2007	11:49	0.0	0.0	0.1	0.0	20.9
201	06/19/2007	11:50	0.0	0.0	0.1	0.0	20.9
202	06/19/2007	11:51	0.0	0.0	0.1	0.0	20.9
203	06/19/2007	11:52	0.0	0.0	0.1	0.0	20.9
204	06/19/2007	11:53	0.0	0.0	0.1	0.0	20.9
205	06/19/2007	11:54	0.0	0.0	0.1	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 394 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:			CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:			200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:			35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
206	06/19/2007	11:55	0.0	0.0	0.1	0.0	20.9
207	06/19/2007	11:56	0.0	0.0	0.1	0.0	20.9
208	06/19/2007	11:57	0.0	0.0	0.1	0.0	20.9
209	06/19/2007	11:58	0.0	0.0	0.1	0.0	20.9
210	06/19/2007	11:59	0.0	0.0	0.1	0.0	20.9
211	06/19/2007	12:00	0.0	0.0	0.1	0.0	20.9
212	06/19/2007	12:01	0.0	0.0	0.1	0.0	20.9
213	06/19/2007	12:02	0.0	0.0	0.1	0.0	20.9
214	06/19/2007	12:03	0.0	0.0	0.1	0.0	20.9
215	06/19/2007	12:04	0.0	0.0	0.1	0.0	20.9
216	06/19/2007	12:05	0.0	0.0	0.1	0.0	20.9
217	06/19/2007	12:06	0.0	0.0	0.1	0.0	20.9
218	06/19/2007	12:07	0.0	0.0	0.1	0.0	20.9
219	06/19/2007	12:08	0.0	0.0	0.1	0.0	20.9
220	06/19/2007	12:09	0.0	0.0	0.2	0.0	20.9
221	06/19/2007	12:10	0.0	0.0	0.1	0.0	20.9
222	06/19/2007	12:11	0.0	0.0	0.2	0.0	20.9
223	06/19/2007	12:12	0.0	0.0	0.1	0.0	20.9
224	06/19/2007	12:13	0.0	0.0	0.1	0.0	20.9
225	06/19/2007	12:14	0.0	0.0	0.2	0.0	20.9
226	06/19/2007	12:15	0.0	0.0	0.1	0.0	20.9
227	06/19/2007	12:16	0.0	0.0	0.1	0.0	20.9
228	06/19/2007	12:17	0.0	0.0	0.1	0.0	20.9
229	06/19/2007	12:18	0.0	0.0	0.1	0.0	20.9
230	06/19/2007	12:19	0.0	0.0	0.1	0.0	20.9
231	06/19/2007	12:20	0.0	0.0	0.1	0.0	20.9
232	06/19/2007	12:21	0.0	0.0	0.1	0.0	20.9
233	06/19/2007	12:22	0.0	0.0	0.1	0.0	20.9
234	06/19/2007	12:23	0.0	0.0	0.1	0.0	20.9
235	06/19/2007	12:24	0.0	0.0	0.1	0.0	20.9
236	06/19/2007	12:25	0.0	0.0	0.1	0.0	20.9
237	06/19/2007	12:26	0.0	0.0	0.1	0.0	20.9
238	06/19/2007	12:27	0.0	0.0	0.1	0.0	20.9
239	06/19/2007	12:28	0.0	0.0	0.1	0.0	20.9
240	06/19/2007	12:29	0.0	0.0	0.1	0.0	20.9
241	06/19/2007	12:30	0.0	0.0	0.1	0.0	20.9
242	06/19/2007	12:31	0.0	0.0	0.1	0.0	20.9
243	06/19/2007	12:32	0.0	0.0	0.1	0.0	20.9
244	06/19/2007	12:33	0.0	0.0	0.1	0.0	20.9
245	06/19/2007	12:34	0.0	0.0	0.1	0.0	20.9
246	06/19/2007	12:35	0.0	0.0	0.1	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 394 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
247	06/19/2007	12:36	0.0	0.0	0.1	0.0	20.9
248	06/19/2007	12:37	0.0	0.0	0.1	0.0	20.9
249	06/19/2007	12:38	0.0	0.0	0.1	0.0	20.9
250	06/19/2007	12:39	0.0	0.0	0.1	0.0	20.9
251	06/19/2007	12:40	0.0	0.0	0.1	0.0	20.9
252	06/19/2007	12:41	0.0	0.0	0.1	0.0	20.9
253	06/19/2007	12:42	0.0	0.0	0.1	0.0	20.9
254	06/19/2007	12:43	0.0	0.0	0.1	0.0	20.9
255	06/19/2007	12:44	0.0	0.0	0.1	0.0	20.9
256	06/19/2007	12:45	0.0	0.0	0.1	0.0	20.9
257	06/19/2007	12:46	0.0	0.0	0.1	0.0	20.9
258	06/19/2007	12:47	0.0	0.0	0.1	0.0	20.9
259	06/19/2007	12:48	0.0	0.0	0.1	0.0	20.9
260	06/19/2007	12:49	0.0	0.0	0.1	0.0	20.9
261	06/19/2007	12:50	0.0	0.0	0.1	0.0	20.9
262	06/19/2007	12:51	0.0	0.0	0.1	0.0	20.9
263	06/19/2007	12:52	0.0	0.0	0.1	0.0	20.9
264	06/19/2007	12:53	0.0	0.0	0.1	0.0	20.9
265	06/19/2007	12:54	0.0	0.0	0.1	0.0	20.9
266	06/19/2007	12:55	0.0	0.0	0.1	0.0	20.9
267	06/19/2007	12:56	0.0	0.0	0.1	0.0	20.9
268	06/19/2007	12:57	0.0	0.0	0.1	0.0	20.9
269	06/19/2007	12:58	0.0	0.0	0.1	0.0	20.9
270	06/19/2007	12:59	0.0	0.0	0.1	0.0	20.9
271	06/19/2007	13:00	0.0	0.0	0.1	0.0	20.9
272	06/19/2007	13:01	0.0	0.0	0.1	0.0	20.9
273	06/19/2007	13:02	0.0	0.0	0.1	0.0	20.9
274	06/19/2007	13:03	0.0	0.0	0.1	0.0	20.9
275	06/19/2007	13:04	0.0	0.0	0.1	0.0	20.9
276	06/19/2007	13:05	0.0	0.0	0.1	0.0	20.9
277	06/19/2007	13:06	0.0	0.0	0.1	0.0	20.9
278	06/19/2007	13:07	0.0	0.0	0.1	0.0	20.9
279	06/19/2007	13:08	0.0	0.0	0.1	0.0	20.9
280	06/19/2007	13:09	0.0	0.0	0.1	0.0	20.9
281	06/19/2007	13:10	0.0	0.0	0.1	0.0	20.9
282	06/19/2007	13:11	0.0	0.0	0.1	0.0	20.9
283	06/19/2007	13:12	0.0	0.0	0.1	0.0	20.9
284	06/19/2007	13:13	0.0	0.0	0.1	0.0	20.9
285	06/19/2007	13:14	0.0	0.0	0.0	0.0	20.9
286	06/19/2007	13:15	0.0	0.0	0.0	0.0	20.9
287	06/19/2007	13:16	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 394 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
288	06/19/2007	13:17	0.0	0.0	0.0	0.0	20.9
289	06/19/2007	13:18	0.0	0.0	0.0	0.0	20.9
290	06/19/2007	13:19	0.0	0.0	0.0	0.0	20.9
291	06/19/2007	13:20	0.0	0.0	0.0	0.0	20.9
292	06/19/2007	13:21	0.0	0.0	0.0	0.0	20.9
293	06/19/2007	13:22	0.0	0.0	0.0	0.0	20.9
294	06/19/2007	13:23	0.0	0.0	0.0	0.0	20.9
295	06/19/2007	13:24	0.0	0.0	0.0	0.0	20.9
296	06/19/2007	13:25	0.0	0.0	0.0	0.0	20.9
297	06/19/2007	13:26	0.0	0.0	0.0	0.0	20.9
298	06/19/2007	13:27	0.0	0.0	0.0	0.0	20.9
299	06/19/2007	13:28	0.0	0.0	0.0	0.0	20.9
300	06/19/2007	13:29	0.0	0.0	0.0	0.0	20.9
301	06/19/2007	13:30	0.0	0.0	0.0	0.0	20.9
302	06/19/2007	13:31	0.0	0.0	0.0	0.0	20.9
303	06/19/2007	13:32	0.0	0.0	0.0	0.0	20.9
304	06/19/2007	13:33	0.0	0.0	0.0	0.0	20.9
305	06/19/2007	13:34	0.0	0.0	0.0	0.0	20.9
306	06/19/2007	13:35	0.0	0.0	0.0	0.0	20.9
307	06/19/2007	13:36	0.0	0.0	0.0	0.0	20.9
308	06/19/2007	13:37	0.0	0.0	0.0	0.0	20.9
309	06/19/2007	13:38	0.0	0.0	0.0	0.0	20.9
310	06/19/2007	13:39	0.0	0.0	0.0	0.0	20.9
311	06/19/2007	13:40	0.0	0.0	0.0	0.0	20.9
312	06/19/2007	13:41	0.0	0.0	0.0	0.0	20.9
313	06/19/2007	13:42	0.0	0.0	0.0	0.0	20.9
314	06/19/2007	13:43	0.0	0.0	0.0	0.0	20.9
315	06/19/2007	13:44	0.0	0.0	0.0	0.0	20.9
316	06/19/2007	13:45	0.0	0.0	0.0	0.0	20.9
317	06/19/2007	13:46	0.0	0.0	0.0	0.0	20.9
318	06/19/2007	13:47	0.0	0.0	0.0	0.0	20.9
319	06/19/2007	13:48	0.0	0.0	0.0	0.0	20.9
320	06/19/2007	13:49	0.0	0.0	0.0	0.0	20.9
321	06/19/2007	13:50	0.0	0.0	0.0	0.0	20.9
322	06/19/2007	13:51	0.0	0.0	0.0	0.0	20.9
323	06/19/2007	13:52	0.0	0.0	0.0	0.0	20.9
324	06/19/2007	13:53	0.0	0.0	0.0	0.0	20.9
325	06/19/2007	13:54	0.0	0.0	0.0	0.0	20.9
326	06/19/2007	13:55	0.0	0.0	0.0	0.0	20.9
327	06/19/2007	13:56	0.0	0.0	0.0	0.0	20.9
328	06/19/2007	13:57	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 394 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
329	06/19/2007	13:58	0.0	0.0	0.0	0.0	20.9
330	06/19/2007	13:59	0.0	0.0	0.0	0.0	20.9
331	06/19/2007	14:00	0.0	0.0	0.0	0.0	20.9
332	06/19/2007	14:01	0.0	0.0	0.0	0.0	20.9
333	06/19/2007	14:02	0.0	0.0	0.0	0.0	20.9
334	06/19/2007	14:03	0.0	0.0	0.0	0.0	20.9
335	06/19/2007	14:04	0.0	0.0	0.0	0.0	20.9
336	06/19/2007	14:05	0.0	0.0	0.0	0.0	20.9
337	06/19/2007	14:06	0.0	0.0	0.0	0.0	20.9
338	06/19/2007	14:07	0.0	0.0	0.0	0.0	20.9
339	06/19/2007	14:08	0.0	0.0	0.0	0.0	20.9
340	06/19/2007	14:09	0.0	0.0	0.0	0.0	20.9
341	06/19/2007	14:10	0.0	0.0	0.0	0.0	20.9
342	06/19/2007	14:11	0.0	0.0	0.0	0.0	20.9
343	06/19/2007	14:12	0.0	0.0	0.0	0.0	20.9
344	06/19/2007	14:13	0.0	0.0	0.0	0.0	20.9
345	06/19/2007	14:14	0.0	0.0	0.0	0.0	20.9
346	06/19/2007	14:15	0.0	0.0	0.0	0.0	20.9
347	06/19/2007	14:16	0.0	0.0	0.0	0.0	20.9
348	06/19/2007	14:17	0.0	0.0	0.0	0.0	20.9
349	06/19/2007	14:18	0.0	0.0	0.0	0.0	20.9
350	06/19/2007	14:19	0.0	0.0	0.0	0.0	20.9
351	06/19/2007	14:20	0.0	0.0	0.0	0.0	20.9
352	06/19/2007	14:21	0.0	0.0	0.0	0.0	20.9
353	06/19/2007	14:22	0.0	0.0	0.0	0.0	20.9
354	06/19/2007	14:23	0.0	0.0	0.0	0.0	20.9
355	06/19/2007	14:24	0.0	0.0	0.0	0.0	20.9
356	06/19/2007	14:25	0.0	0.0	0.0	0.0	20.9
357	06/19/2007	14:26	0.0	0.0	0.0	0.0	20.9
358	06/19/2007	14:27	0.0	0.0	0.0	0.0	20.9
359	06/19/2007	14:28	0.0	0.0	0.0	0.0	20.9
360	06/19/2007	14:29	0.0	0.0	0.0	0.0	20.9
361	06/19/2007	14:30	0.0	0.0	0.0	0.0	20.9
362	06/19/2007	14:31	0.0	0.0	0.0	0.0	20.9
363	06/19/2007	14:32	0.0	0.0	0.0	0.0	20.9
364	06/19/2007	14:33	0.0	0.0	0.0	0.0	20.9
365	06/19/2007	14:34	0.0	0.0	0.0	0.0	20.9
366	06/19/2007	14:35	0.0	0.0	0.0	0.0	20.9
367	06/19/2007	14:36	0.0	0.0	0.0	0.0	20.9
368	06/19/2007	14:37	0.0	0.0	0.0	0.0	20.9
369	06/19/2007	14:38	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 394 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
370	06/19/2007	14:39	0.0	0.0	0.0	0.0	20.9
371	06/19/2007	14:40	0.0	0.0	0.0	0.0	20.9
372	06/19/2007	14:41	0.0	0.0	0.0	0.0	20.9
373	06/19/2007	14:42	0.0	0.0	0.0	0.0	20.9
374	06/19/2007	14:43	0.0	0.0	0.0	0.0	20.9
375	06/19/2007	14:44	0.0	0.0	0.0	0.0	20.9
376	06/19/2007	14:45	0.0	0.0	0.0	0.0	20.9
377	06/19/2007	14:46	0.0	0.0	0.0	0.0	20.9
378	06/19/2007	14:47	0.0	0.0	0.0	0.0	20.9
379	06/19/2007	14:48	0.0	0.0	0.0	0.0	20.9
380	06/19/2007	14:49	0.0	0.0	0.0	0.0	20.9
381	06/19/2007	14:50	0.0	0.0	0.0	0.0	20.9
382	06/19/2007	14:51	0.0	0.0	0.0	0.0	20.9
383	06/19/2007	14:52	0.0	0.0	0.0	0.0	20.9
384	06/19/2007	14:53	0.0	0.0	0.0	0.0	20.9
385	06/19/2007	14:54	0.0	0.0	0.0	0.0	20.9
386	06/19/2007	14:55	0.0	0.0	0.0	0.0	20.9
387	06/19/2007	14:56	0.0	0.0	0.0	0.0	20.9
388	06/19/2007	14:57	0.0	0.0	0.0	0.0	20.9
389	06/19/2007	14:58	0.0	0.0	0.0	0.0	20.9
390	06/19/2007	14:59	0.0	0.0	0.0	0.0	20.9
391	06/19/2007	15:00	0.0	0.0	0.0	0.0	20.9
392	06/19/2007	15:01	0.0	0.0	0.0	0.0	20.9
393	06/19/2007	15:02	0.0	0.0	0.0	0.0	20.9
394	06/19/2007	15:03	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 127 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
1	06/20/2007 08:21	0.0	0.0	0.0	0.0	20.9
2	06/20/2007 08:22	0.0	0.0	0.0	0.0	20.9
3	06/20/2007 08:23	0.0	0.0	0.0	0.0	20.9
4	06/20/2007 08:24	0.0	0.0	0.0	0.0	20.9
5	06/20/2007 08:25	0.0	0.0	0.0	0.0	20.9
6	06/20/2007 08:26	0.0	0.0	0.0	0.0	20.9
7	06/20/2007 08:27	0.0	0.0	0.0	0.0	20.9
8	06/20/2007 08:28	0.0	0.0	0.0	0.0	20.9
9	06/20/2007 08:29	0.0	0.0	0.0	0.0	20.9
10	06/20/2007 08:30	0.0	0.0	0.0	0.0	20.9
11	06/20/2007 08:31	0.0	0.0	0.0	0.0	20.9
12	06/20/2007 08:32	0.0	0.0	0.0	0.0	20.9
13	06/20/2007 08:33	0.0	0.0	0.0	0.0	20.9
14	06/20/2007 08:34	0.0	0.0	0.0	0.0	20.9
15	06/20/2007 08:35	0.0	0.0	0.0	0.0	20.9
16	06/20/2007 08:36	0.0	0.0	0.0	0.0	20.9
17	06/20/2007 08:37	0.0	0.0	0.0	0.0	20.9
18	06/20/2007 08:38	0.0	0.0	0.0	0.0	20.9
19	06/20/2007 08:39	0.0	0.0	0.0	0.0	20.9
20	06/20/2007 08:40	0.0	0.0	0.0	0.0	20.9
21	06/20/2007 08:41	0.0	0.0	0.0	0.0	20.9
22	06/20/2007 08:42	0.0	0.0	0.0	0.0	20.9
23	06/20/2007 08:43	0.0	0.0	0.0	0.0	20.9
24	06/20/2007 08:44	0.0	0.0	0.0	0.0	20.9
25	06/20/2007 08:45	0.0	0.0	0.0	0.0	20.9
26	06/20/2007 08:46	0.0	0.0	0.0	0.0	20.9
27	06/20/2007 08:47	0.0	0.0	0.0	0.0	20.9
28	06/20/2007 08:48	0.0	0.0	0.0	0.0	20.9
29	06/20/2007 08:49	0.0	0.0	0.0	0.0	20.9
30	06/20/2007 08:50	0.0	0.0	0.0	0.0	20.9
31	06/20/2007 08:51	0.0	0.0	0.0	0.0	20.9
32	06/20/2007 08:52	0.0	0.0	0.0	0.0	20.9
33	06/20/2007 08:53	0.0	0.0	0.0	0.0	20.9
34	06/20/2007 08:54	0.0	0.0	0.0	0.0	20.9
35	06/20/2007 08:55	0.0	0.0	0.0	0.0	20.9
36	06/20/2007 08:56	0.0	0.0	0.0	0.0	20.9
37	06/20/2007 08:57	0.0	0.0	0.0	0.0	20.9
38	06/20/2007 08:58	0.0	0.0	0.0	0.0	20.9
39	06/20/2007 08:59	0.0	0.0	0.0	0.0	20.9
40	06/20/2007 09:00	0.0	0.0	0.0	0.0	20.9
41	06/20/2007 09:01	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 127 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
42	06/20/2007 09:02	0.0	0.0	0.0	0.0	20.9
43	06/20/2007 09:03	0.0	0.0	0.0	0.0	20.9
44	06/20/2007 09:04	0.0	0.0	0.0	0.0	20.9
45	06/20/2007 09:05	0.0	0.0	0.0	0.0	20.9
46	06/20/2007 09:06	0.0	0.0	0.0	0.0	20.9
47	06/20/2007 09:07	0.0	0.0	0.0	0.0	20.9
48	06/20/2007 09:08	0.0	0.0	0.0	0.0	20.9
49	06/20/2007 09:09	0.0	0.0	0.0	0.0	20.9
50	06/20/2007 09:10	0.0	0.0	0.0	0.0	20.9
51	06/20/2007 09:11	0.0	0.0	0.0	0.0	20.9
52	06/20/2007 09:12	0.0	0.0	0.0	0.0	20.9
53	06/20/2007 09:13	0.0	0.0	0.0	0.0	20.9
54	06/20/2007 09:14	0.0	0.0	0.0	0.0	20.9
55	06/20/2007 09:15	0.0	0.0	0.0	0.0	20.9
56	06/20/2007 09:16	0.0	0.0	0.0	0.0	20.9
57	06/20/2007 09:17	0.0	0.0	0.0	0.0	20.9
58	06/20/2007 09:18	0.0	0.0	0.0	0.0	20.9
59	06/20/2007 09:19	0.0	0.0	0.0	0.0	20.9
60	06/20/2007 09:20	0.0	0.0	0.0	0.0	20.9
61	06/20/2007 09:21	0.0	0.0	0.0	0.0	20.9
62	06/20/2007 09:22	0.0	0.0	0.0	0.0	20.9
63	06/20/2007 09:23	0.0	0.0	0.0	0.0	20.9
64	06/20/2007 09:24	0.0	0.0	0.0	0.0	20.9
65	06/20/2007 09:25	0.0	0.0	0.0	0.0	20.9
66	06/20/2007 09:26	0.0	0.0	0.0	0.0	20.9
67	06/20/2007 09:27	0.0	0.0	0.0	0.0	20.9
68	06/20/2007 09:28	0.0	0.0	0.0	0.0	20.9
69	06/20/2007 09:29	0.0	0.0	0.0	0.0	20.9
70	06/20/2007 09:30	0.0	0.0	0.0	0.0	20.9
71	06/20/2007 09:31	0.0	0.0	0.0	0.0	20.9
72	06/20/2007 09:32	0.0	0.0	0.0	0.0	20.9
73	06/20/2007 09:33	0.0	0.0	0.0	0.0	20.9
74	06/20/2007 09:34	0.0	0.0	0.0	0.0	20.9
75	06/20/2007 09:35	0.0	0.0	0.0	0.0	20.9
76	06/20/2007 09:36	0.0	0.0	0.0	0.0	20.9
77	06/20/2007 09:37	0.0	0.0	0.0	0.0	20.9
78	06/20/2007 09:38	0.0	0.0	0.0	0.0	20.9
79	06/20/2007 09:39	0.0	0.0	0.0	0.0	20.9
80	06/20/2007 09:40	0.0	0.0	0.0	0.0	20.9
81	06/20/2007 09:41	0.0	0.0	0.0	0.0	20.9
82	06/20/2007 09:42	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 127 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
83	06/20/2007 09:43	0.0	0.0	0.0	0.0	20.9
84	06/20/2007 09:44	0.0	0.0	0.0	0.0	20.9
85	06/20/2007 09:45	0.0	0.0	0.0	0.0	20.9
86	06/20/2007 09:46	0.0	0.0	0.0	0.0	20.9
87	06/20/2007 09:47	0.0	0.0	0.0	0.0	20.9
88	06/20/2007 09:48	0.0	0.0	0.0	0.0	20.9
89	06/20/2007 09:49	0.0	0.0	0.0	0.0	20.9
90	06/20/2007 09:50	0.0	0.0	0.0	0.0	20.9
91	06/20/2007 09:51	0.0	0.0	0.0	0.0	20.9
92	06/20/2007 09:52	0.0	0.0	0.0	0.0	20.9
93	06/20/2007 09:53	0.0	0.0	0.0	0.0	20.9
94	06/20/2007 09:54	0.0	0.0	0.0	0.0	20.9
95	06/20/2007 09:55	0.0	0.0	0.0	0.0	20.9
96	06/20/2007 09:56	0.0	0.0	0.0	0.0	20.9
97	06/20/2007 09:57	0.0	0.0	0.0	0.0	20.9
98	06/20/2007 09:58	0.0	0.0	0.0	0.0	20.9
99	06/20/2007 09:59	0.0	0.0	0.0	0.0	20.9
100	06/20/2007 10:00	0.0	0.0	0.0	0.0	20.9
101	06/20/2007 10:01	0.0	0.0	0.0	0.0	20.9
102	06/20/2007 10:02	0.0	0.0	0.0	0.0	20.9
103	06/20/2007 10:03	0.0	0.0	0.0	0.0	20.9
104	06/20/2007 10:04	0.0	0.0	0.0	0.0	20.9
105	06/20/2007 10:05	0.0	0.0	0.0	0.0	20.9
106	06/20/2007 10:06	0.0	0.0	0.0	0.0	20.9
107	06/20/2007 10:07	0.0	0.0	0.0	0.0	20.9
108	06/20/2007 10:08	0.0	0.0	0.0	0.0	20.9
109	06/20/2007 10:09	0.0	0.0	0.0	0.0	20.9
110	06/20/2007 10:10	0.0	0.0	0.0	0.0	20.9
111	06/20/2007 10:11	0.0	0.0	0.0	0.0	20.9
112	06/20/2007 10:12	0.0	0.0	0.0	0.0	20.9
113	06/20/2007 10:13	0.0	0.0	0.0	0.0	20.9
114	06/20/2007 10:14	0.0	0.0	0.0	0.0	20.9
115	06/20/2007 10:15	0.0	0.0	0.0	0.0	20.9
116	06/20/2007 10:16	0.0	0.0	0.0	0.0	20.9
117	06/20/2007 10:17	0.0	0.0	0.0	0.0	20.9
118	06/20/2007 10:18	0.0	0.0	0.0	0.0	20.9
119	06/20/2007 10:19	0.0	0.0	0.0	0.0	20.9
120	06/20/2007 10:20	0.0	0.0	0.0	0.0	20.9
121	06/20/2007 10:21	0.0	0.0	0.0	0.0	20.9
122	06/20/2007 10:22	0.0	0.0	0.0	0.0	20.9
123	06/20/2007 10:23	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 127 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
124	06/20/2007	10:24	0.0	0.0	0.0	0.0	20.9
125	06/20/2007	10:25	0.0	0.0	0.0	0.0	20.9
126	06/20/2007	10:26	0.0	0.0	0.0	0.0	20.9
127	06/20/2007	10:27	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 187 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
1	06/20/2007 11:20	0.0	0.0	0.0	0.0	20.9
2	06/20/2007 11:21	0.0	0.0	0.0	0.0	20.9
3	06/20/2007 11:22	0.0	0.0	0.0	0.0	20.9
4	06/20/2007 11:23	0.1	0.0	0.0	0.0	20.9
5	06/20/2007 11:24	0.0	0.0	0.0	0.0	20.9
6	06/20/2007 11:25	0.0	0.0	0.0	0.0	20.9
7	06/20/2007 11:26	0.0	0.0	0.0	0.0	20.9
8	06/20/2007 11:27	0.0	0.0	0.0	0.0	20.9
9	06/20/2007 11:28	0.0	0.0	0.0	0.0	20.9
10	06/20/2007 11:29	0.0	0.0	0.0	0.0	20.9
11	06/20/2007 11:30	0.0	0.0	0.0	0.0	20.9
12	06/20/2007 11:31	0.0	0.0	0.0	0.0	20.9
13	06/20/2007 11:32	0.0	0.0	0.0	0.0	20.9
14	06/20/2007 11:33	0.0	0.0	0.0	0.0	20.9
15	06/20/2007 11:34	0.0	0.0	0.0	0.0	20.9
16	06/20/2007 11:35	0.0	0.0	0.0	0.0	20.9
17	06/20/2007 11:36	0.0	0.0	0.0	0.0	20.9
18	06/20/2007 11:37	0.0	0.0	0.0	0.0	20.9
19	06/20/2007 11:38	0.0	0.0	0.0	0.0	20.9
20	06/20/2007 11:39	0.0	0.0	0.0	0.0	20.9
21	06/20/2007 11:40	0.0	0.0	0.0	0.0	20.9
22	06/20/2007 11:41	0.0	0.0	0.0	0.0	20.9
23	06/20/2007 11:42	0.0	0.0	0.0	0.0	20.9
24	06/20/2007 11:43	0.0	0.0	0.0	0.0	20.9
25	06/20/2007 11:44	0.0	0.0	0.0	0.0	20.9
26	06/20/2007 11:45	0.0	0.0	0.0	0.0	20.9
27	06/20/2007 11:46	0.0	0.0	0.0	0.0	20.9
28	06/20/2007 11:47	0.1	0.0	0.0	0.0	20.9
29	06/20/2007 11:48	0.0	0.0	0.0	0.0	20.9
30	06/20/2007 11:49	0.0	0.0	0.0	0.0	20.9
31	06/20/2007 11:50	0.0	0.0	0.0	0.0	20.9
32	06/20/2007 11:51	0.0	0.0	0.0	0.0	20.9
33	06/20/2007 11:52	0.0	0.0	0.0	0.0	20.9
34	06/20/2007 11:53	0.0	0.0	0.0	0.0	20.9
35	06/20/2007 11:54	0.0	0.0	0.0	0.0	20.9
36	06/20/2007 11:55	0.0	0.0	0.0	0.0	20.9
37	06/20/2007 11:56	0.1	0.0	0.0	0.0	20.9
38	06/20/2007 11:57	0.0	0.0	0.0	0.0	20.9
39	06/20/2007 11:58	0.0	0.0	0.0	0.0	20.9
40	06/20/2007 11:59	0.0	0.0	0.0	0.0	20.9
41	06/20/2007 12:00	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 187 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
42	06/20/2007 12:01	0.0	0.0	0.0	0.0	20.9
43	06/20/2007 12:02	0.0	0.0	0.0	0.0	20.9
44	06/20/2007 12:03	0.0	0.0	0.0	0.0	20.9
45	06/20/2007 12:04	0.0	0.0	0.0	0.0	20.9
46	06/20/2007 12:05	0.0	0.0	0.0	0.0	20.9
47	06/20/2007 12:06	0.0	0.0	0.0	0.0	20.9
48	06/20/2007 12:07	0.0	0.0	0.0	0.0	20.9
49	06/20/2007 12:08	0.0	0.0	0.0	0.0	20.9
50	06/20/2007 12:09	0.0	0.0	0.0	0.0	20.9
51	06/20/2007 12:10	0.0	0.0	0.0	0.0	20.9
52	06/20/2007 12:11	0.0	0.0	0.0	0.0	20.9
53	06/20/2007 12:12	0.0	0.0	0.0	0.0	20.9
54	06/20/2007 12:13	0.0	0.0	0.0	0.0	20.9
55	06/20/2007 12:14	0.0	0.0	0.0	0.0	20.9
56	06/20/2007 12:15	0.0	0.0	0.0	0.0	20.9
57	06/20/2007 12:16	0.0	0.0	0.0	0.0	20.9
58	06/20/2007 12:17	0.0	0.0	0.0	0.0	20.9
59	06/20/2007 12:18	0.0	0.0	0.0	0.0	20.9
60	06/20/2007 12:19	0.0	0.0	0.0	0.0	20.9
61	06/20/2007 12:20	0.0	0.0	0.0	0.0	20.9
62	06/20/2007 12:21	0.0	0.0	0.0	0.0	20.9
63	06/20/2007 12:22	0.0	0.0	0.0	0.0	20.9
64	06/20/2007 12:23	0.0	0.0	0.0	0.0	20.9
65	06/20/2007 12:24	0.0	0.0	0.0	0.0	20.9
66	06/20/2007 12:25	0.0	0.0	0.0	0.0	20.9
67	06/20/2007 12:26	0.0	0.0	0.0	0.0	20.9
68	06/20/2007 12:27	0.0	0.0	0.0	0.0	20.9
69	06/20/2007 12:28	0.0	0.0	0.0	0.0	20.9
70	06/20/2007 12:29	0.0	0.0	0.0	0.0	20.9
71	06/20/2007 12:30	0.0	0.0	0.0	0.0	20.9
72	06/20/2007 12:31	0.0	0.0	0.0	0.0	20.9
73	06/20/2007 12:32	0.0	0.0	0.0	0.0	20.9
74	06/20/2007 12:33	0.0	0.0	0.0	0.0	20.9
75	06/20/2007 12:34	0.0	0.0	0.0	0.0	20.9
76	06/20/2007 12:35	0.0	0.0	0.0	0.0	20.9
77	06/20/2007 12:36	0.0	0.0	0.0	0.0	20.9
78	06/20/2007 12:37	0.0	0.0	0.0	0.0	20.9
79	06/20/2007 12:38	0.0	0.0	0.0	0.0	20.9
80	06/20/2007 12:39	0.0	0.0	0.0	0.0	20.9
81	06/20/2007 12:40	0.0	0.0	0.0	0.0	20.9
82	06/20/2007 12:41	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 187 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
83	06/20/2007 12:42	0.0	0.0	0.0	0.0	20.9
84	06/20/2007 12:43	0.0	0.0	0.0	0.0	20.9
85	06/20/2007 12:44	0.0	0.0	0.0	0.0	20.9
86	06/20/2007 12:45	0.0	0.0	0.0	0.0	20.9
87	06/20/2007 12:46	0.0	0.0	0.0	0.0	20.9
88	06/20/2007 12:47	0.0	0.0	0.0	0.0	20.9
89	06/20/2007 12:48	0.0	0.0	0.0	0.0	20.9
90	06/20/2007 12:49	0.0	0.0	0.0	0.0	20.9
91	06/20/2007 12:50	0.0	0.0	0.0	0.0	20.9
92	06/20/2007 12:51	0.0	0.0	0.0	0.0	20.9
93	06/20/2007 12:52	0.0	0.0	0.0	0.0	20.9
94	06/20/2007 12:53	0.0	0.0	0.0	0.0	20.9
95	06/20/2007 12:54	0.0	0.0	0.0	0.0	20.9
96	06/20/2007 12:55	0.0	0.0	0.0	0.0	20.9
97	06/20/2007 12:56	0.0	0.0	0.0	0.0	20.9
98	06/20/2007 12:57	0.0	0.0	0.0	0.0	20.9
99	06/20/2007 12:58	0.0	0.0	0.0	0.0	20.9
100	06/20/2007 12:59	0.0	0.0	0.0	0.0	20.9
101	06/20/2007 13:00	0.0	0.0	0.0	0.0	20.9
102	06/20/2007 13:01	0.0	0.0	0.0	0.0	20.9
103	06/20/2007 13:02	0.0	0.0	0.0	0.0	20.9
104	06/20/2007 13:03	0.0	0.0	0.0	0.0	20.9
105	06/20/2007 13:04	0.0	0.0	0.0	0.0	20.9
106	06/20/2007 13:05	0.0	0.0	0.0	0.0	20.9
107	06/20/2007 13:06	0.0	0.0	0.0	0.0	20.9
108	06/20/2007 13:07	0.0	0.0	0.0	0.0	20.9
109	06/20/2007 13:08	0.0	0.0	0.0	0.0	20.9
110	06/20/2007 13:09	0.0	0.0	0.0	0.0	20.9
111	06/20/2007 13:10	0.0	0.0	0.0	0.0	20.9
112	06/20/2007 13:11	0.0	0.0	0.0	0.0	20.9
113	06/20/2007 13:12	0.0	0.0	0.0	0.0	20.9
114	06/20/2007 13:13	0.0	0.0	0.0	0.0	20.9
115	06/20/2007 13:14	0.0	0.0	0.0	0.0	20.9
116	06/20/2007 13:15	0.0	0.0	0.0	0.0	20.9
117	06/20/2007 13:16	0.0	0.0	0.0	0.0	20.9
118	06/20/2007 13:17	0.0	0.0	0.0	0.0	20.9
119	06/20/2007 13:18	0.0	0.0	0.0	0.0	20.9
120	06/20/2007 13:19	0.0	0.0	0.0	0.0	20.9
121	06/20/2007 13:20	0.0	0.0	0.0	0.0	20.9
122	06/20/2007 13:21	0.0	0.0	0.0	0.0	20.9
123	06/20/2007 13:22	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 187 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:			CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:			200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:			35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
124	06/20/2007	13:23	0.0	0.0	0.0	0.0	20.9
125	06/20/2007	13:24	0.0	0.0	0.0	0.0	20.9
126	06/20/2007	13:25	0.0	0.0	0.0	0.0	20.9
127	06/20/2007	13:26	0.0	0.0	0.0	0.0	20.9
128	06/20/2007	13:27	0.0	0.0	0.0	0.0	20.9
129	06/20/2007	13:28	0.0	0.0	0.0	0.0	20.9
130	06/20/2007	13:29	0.0	0.0	0.0	0.0	20.9
131	06/20/2007	13:30	0.0	0.0	0.0	0.0	20.9
132	06/20/2007	13:31	0.0	0.0	0.0	0.0	20.9
133	06/20/2007	13:32	0.0	0.0	0.0	0.0	20.9
134	06/20/2007	13:33	0.0	0.0	0.0	0.0	20.9
135	06/20/2007	13:34	0.0	0.0	0.0	0.0	20.9
136	06/20/2007	13:35	0.0	0.0	0.0	0.0	20.9
137	06/20/2007	13:36	0.0	0.0	0.0	0.0	20.9
138	06/20/2007	13:37	0.0	0.0	0.0	0.0	20.9
139	06/20/2007	13:38	0.0	0.0	0.1	0.0	20.9
140	06/20/2007	13:39	0.0	0.0	0.1	0.0	20.9
141	06/20/2007	13:40	0.0	0.0	0.1	0.0	20.9
142	06/20/2007	13:41	0.1	0.0	0.1	0.0	20.9
143	06/20/2007	13:42	0.0	0.0	0.1	0.0	20.9
144	06/20/2007	13:43	0.1	0.0	0.1	0.0	20.9
145	06/20/2007	13:44	0.1	0.0	0.1	0.0	20.9
146	06/20/2007	13:45	0.1	0.0	0.1	0.0	20.9
147	06/20/2007	13:46	0.0	0.0	0.1	0.0	20.9
148	06/20/2007	13:47	0.0	0.0	0.1	0.0	20.9
149	06/20/2007	13:48	0.1	0.0	0.1	0.0	20.9
150	06/20/2007	13:49	4.2	0.0	0.1	0.0	20.9
151	06/20/2007	13:50	3.6	0.0	0.1	0.0	20.9
152	06/20/2007	13:51	3.8	0.0	0.1	0.0	20.9
153	06/20/2007	13:52	5.2	0.0	0.1	0.0	20.9
154	06/20/2007	13:53	2.4	0.0	0.1	0.0	20.9
155	06/20/2007	13:54	0.4	0.0	0.0	0.0	20.9
156	06/20/2007	13:55	1.4	0.0	0.0	0.0	20.9
157	06/20/2007	13:56	8.4	0.0	0.0	0.0	20.9
158	06/20/2007	13:57	4.1	0.0	0.0	0.0	20.9
159	06/20/2007	13:58	1.4	0.0	0.0	0.0	20.9
160	06/20/2007	13:59	0.0	0.0	0.0	0.0	20.9
161	06/20/2007	14:00	0.0	0.0	0.0	0.0	20.9
162	06/20/2007	14:01	0.0	0.0	0.0	0.0	20.9
163	06/20/2007	14:02	0.0	0.0	0.0	0.0	20.9
164	06/20/2007	14:03	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 187 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
165	06/20/2007	14:04	0.0	0.0	0.0	0.0	20.9
166	06/20/2007	14:05	0.0	0.0	0.0	0.0	20.9
167	06/20/2007	14:06	0.0	0.0	0.0	0.0	20.9
168	06/20/2007	14:07	0.0	0.0	0.0	0.0	20.9
169	06/20/2007	14:08	0.0	0.0	0.0	0.0	20.9
170	06/20/2007	14:09	0.0	0.0	0.0	0.0	20.9
171	06/20/2007	14:10	0.0	0.0	0.0	0.0	20.9
172	06/20/2007	14:11	0.0	0.0	0.0	0.0	20.9
173	06/20/2007	14:12	0.0	0.0	0.0	0.0	20.9
174	06/20/2007	14:13	0.0	0.0	0.0	0.0	20.9
175	06/20/2007	14:14	0.0	0.0	0.0	0.0	20.9
176	06/20/2007	14:15	0.0	0.0	0.0	0.0	20.9
177	06/20/2007	14:16	0.0	0.0	0.0	0.0	20.9
178	06/20/2007	14:17	0.0	0.0	0.0	0.0	20.9
179	06/20/2007	14:18	0.0	0.0	0.0	0.0	20.9
180	06/20/2007	14:19	0.0	0.0	0.0	0.0	20.9
181	06/20/2007	14:20	0.0	0.0	0.0	0.0	20.9
182	06/20/2007	14:21	0.0	0.0	0.0	0.0	20.9
183	06/20/2007	14:22	0.0	0.0	0.0	0.0	20.9
184	06/20/2007	14:23	0.0	0.0	0.0	0.0	20.9
185	06/20/2007	14:24	0.0	0.0	0.0	0.0	20.9
186	06/20/2007	14:25	0.0	0.0	0.0	0.0	20.9
187	06/20/2007	14:26	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
1	06/21/2007 08:50	0.0	0.0	0.0	0.0	20.9
2	06/21/2007 08:51	0.0	0.0	0.0	0.0	20.9
3	06/21/2007 08:52	0.0	0.0	0.0	0.0	20.9
4	06/21/2007 08:53	0.0	0.0	0.0	0.0	20.9
5	06/21/2007 08:54	0.0	0.0	0.0	0.0	20.9
6	06/21/2007 08:55	0.1	0.0	0.0	0.0	20.9
7	06/21/2007 08:56	0.0	0.0	0.0	0.0	20.9
8	06/21/2007 08:57	0.0	0.0	0.0	0.0	20.9
9	06/21/2007 08:58	0.0	0.0	0.0	0.0	20.9
10	06/21/2007 08:59	0.0	0.0	0.0	0.0	20.9
11	06/21/2007 09:00	0.0	0.0	0.0	0.0	20.9
12	06/21/2007 09:01	0.0	0.0	0.0	0.0	20.9
13	06/21/2007 09:02	0.0	0.0	0.0	0.0	20.9
14	06/21/2007 09:03	0.0	0.0	0.0	0.0	20.9
15	06/21/2007 09:04	0.0	0.0	0.0	0.0	20.9
16	06/21/2007 09:05	0.0	0.0	0.0	0.0	20.9
17	06/21/2007 09:06	0.0	0.0	0.0	0.0	20.9
18	06/21/2007 09:07	0.0	0.0	0.0	0.0	20.9
19	06/21/2007 09:08	0.0	0.0	0.0	0.0	20.9
20	06/21/2007 09:09	0.0	0.0	0.0	0.0	20.9
21	06/21/2007 09:10	0.0	0.0	0.0	0.0	20.9
22	06/21/2007 09:11	0.0	0.0	0.0	0.0	20.9
23	06/21/2007 09:12	0.0	0.0	0.0	0.0	20.9
24	06/21/2007 09:13	0.0	0.0	0.0	0.0	20.9
25	06/21/2007 09:14	0.0	0.0	0.0	0.0	20.9
26	06/21/2007 09:15	0.0	0.0	0.0	0.0	20.9
27	06/21/2007 09:16	0.0	0.0	0.0	0.0	20.9
28	06/21/2007 09:17	0.0	0.0	0.0	0.0	20.9
29	06/21/2007 09:18	0.0	0.0	0.0	0.0	20.9
30	06/21/2007 09:19	0.0	0.0	0.0	0.0	20.9
31	06/21/2007 09:20	0.0	0.0	0.0	0.0	20.9
32	06/21/2007 09:21	0.0	0.0	0.0	0.0	20.9
33	06/21/2007 09:22	0.0	0.0	0.0	0.0	20.9
34	06/21/2007 09:23	0.0	0.0	0.0	0.0	20.9
35	06/21/2007 09:24	0.0	0.0	0.0	0.0	20.9
36	06/21/2007 09:25	0.0	0.0	0.0	0.0	20.9
37	06/21/2007 09:26	0.0	0.0	0.0	0.0	20.9
38	06/21/2007 09:27	0.0	0.0	0.0	0.0	20.9
39	06/21/2007 09:28	0.0	0.0	0.0	0.0	20.9
40	06/21/2007 09:29	0.0	0.0	0.0	0.0	20.9
41	06/21/2007 09:30	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
42	06/21/2007 09:31	0.0	0.0	0.0	0.0	20.9
43	06/21/2007 09:32	0.0	0.0	0.0	0.0	20.9
44	06/21/2007 09:33	0.0	0.0	0.0	0.0	20.9
45	06/21/2007 09:34	0.0	0.0	0.0	0.0	20.9
46	06/21/2007 09:35	0.0	0.0	0.0	0.0	20.9
47	06/21/2007 09:36	0.0	0.0	0.0	0.0	20.9
48	06/21/2007 09:37	0.0	0.0	0.0	0.0	20.9
49	06/21/2007 09:38	0.0	0.0	0.0	0.0	20.9
50	06/21/2007 09:39	0.0	0.0	0.0	0.0	20.9
51	06/21/2007 09:40	0.0	0.0	0.0	0.0	20.9
52	06/21/2007 09:41	0.0	0.0	0.0	0.0	20.9
53	06/21/2007 09:42	0.0	0.0	0.0	0.0	20.9
54	06/21/2007 09:43	0.0	0.0	0.0	0.0	20.9
55	06/21/2007 09:44	0.0	0.0	0.0	0.0	20.9
56	06/21/2007 09:45	0.0	0.0	0.0	0.0	20.9
57	06/21/2007 09:46	0.0	0.0	0.0	0.0	20.9
58	06/21/2007 09:47	0.0	0.0	0.0	0.0	20.9
59	06/21/2007 09:48	0.0	0.0	0.0	0.0	20.9
60	06/21/2007 09:49	0.0	0.0	0.0	0.0	20.9
61	06/21/2007 09:50	0.0	0.0	0.0	0.0	20.9
62	06/21/2007 09:51	0.0	0.0	0.0	0.0	20.9
63	06/21/2007 09:52	0.0	0.0	0.0	0.0	20.9
64	06/21/2007 09:53	0.0	0.0	0.0	0.0	20.9
65	06/21/2007 09:54	0.0	0.0	0.0	0.0	20.9
66	06/21/2007 09:55	0.0	0.0	0.0	0.0	20.9
67	06/21/2007 09:56	0.0	0.0	0.0	0.0	20.9
68	06/21/2007 09:57	0.0	0.0	0.0	0.0	20.9
69	06/21/2007 09:58	0.0	0.0	0.0	0.0	20.9
70	06/21/2007 09:59	0.0	0.0	0.0	0.0	20.9
71	06/21/2007 10:00	0.0	0.0	0.0	0.0	20.9
72	06/21/2007 10:01	0.0	0.0	0.0	0.0	20.9
73	06/21/2007 10:02	0.0	0.0	0.0	0.0	20.9
74	06/21/2007 10:03	0.0	0.0	0.0	0.0	20.9
75	06/21/2007 10:04	0.0	0.0	0.0	0.0	20.9
76	06/21/2007 10:05	0.0	0.0	0.0	0.0	20.9
77	06/21/2007 10:06	0.0	0.0	0.0	0.0	20.9
78	06/21/2007 10:07	0.0	0.0	0.0	0.0	20.9
79	06/21/2007 10:08	0.0	0.0	0.0	0.0	20.9
80	06/21/2007 10:09	0.0	0.0	0.0	0.0	20.9
81	06/21/2007 10:10	0.0	0.0	0.0	0.0	20.9
82	06/21/2007 10:11	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
83	06/21/2007 10:12	0.0	0.0	0.0	0.0	20.9
84	06/21/2007 10:13	0.0	0.0	0.0	0.0	20.9
85	06/21/2007 10:14	0.0	0.0	0.0	0.0	20.9
86	06/21/2007 10:15	0.0	0.0	0.0	0.0	20.9
87	06/21/2007 10:16	0.0	0.0	0.0	0.0	20.9
88	06/21/2007 10:17	0.0	0.0	0.0	0.0	20.9
89	06/21/2007 10:18	0.0	0.0	0.0	0.0	20.9
90	06/21/2007 10:19	0.0	0.0	0.0	0.0	20.9
91	06/21/2007 10:20	0.0	0.0	0.0	0.0	20.9
92	06/21/2007 10:21	0.0	0.0	0.0	0.0	20.9
93	06/21/2007 10:22	0.0	0.0	0.0	0.0	20.9
94	06/21/2007 10:23	0.0	0.0	0.0	0.0	20.9
95	06/21/2007 10:24	0.0	0.0	0.0	0.0	20.9
96	06/21/2007 10:25	0.0	0.0	0.0	0.0	20.9
97	06/21/2007 10:26	0.0	0.0	0.0	0.0	20.9
98	06/21/2007 10:27	0.0	0.0	0.0	0.0	20.9
99	06/21/2007 10:28	0.0	0.0	0.0	0.0	20.9
100	06/21/2007 10:29	0.0	0.0	0.0	0.0	20.9
101	06/21/2007 10:30	0.0	0.0	0.0	0.0	20.9
102	06/21/2007 10:31	0.0	0.0	0.0	0.0	20.9
103	06/21/2007 10:32	0.0	0.0	0.0	0.0	20.9
104	06/21/2007 10:33	0.0	0.0	0.0	0.0	20.9
105	06/21/2007 10:34	0.0	0.0	0.0	0.0	20.9
106	06/21/2007 10:35	0.0	0.0	0.0	0.0	20.9
107	06/21/2007 10:36	0.0	0.0	0.0	0.0	20.9
108	06/21/2007 10:37	0.0	0.0	0.0	0.0	20.9
109	06/21/2007 10:38	0.0	0.0	0.0	0.0	20.9
110	06/21/2007 10:39	0.0	0.0	0.0	0.0	20.9
111	06/21/2007 10:40	0.0	0.0	0.0	0.0	20.9
112	06/21/2007 10:41	0.0	0.0	0.0	0.0	20.9
113	06/21/2007 10:42	0.0	0.0	0.0	0.0	20.9
114	06/21/2007 10:43	0.0	0.0	0.0	0.0	20.9
115	06/21/2007 10:44	0.0	0.0	0.0	0.0	20.9
116	06/21/2007 10:45	0.0	0.0	0.0	0.0	20.9
117	06/21/2007 10:46	0.0	0.0	0.0	0.0	20.9
118	06/21/2007 10:47	0.0	0.0	0.0	0.0	20.9
119	06/21/2007 10:48	0.0	0.0	0.0	0.0	20.9
120	06/21/2007 10:49	0.0	0.0	0.0	0.0	20.9
121	06/21/2007 10:50	0.0	0.0	0.0	0.0	20.9
122	06/21/2007 10:51	0.0	0.0	0.0	0.0	20.9
123	06/21/2007 10:52	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
124	06/21/2007	10:53	0.0	0.0	0.0	0.0	20.9
125	06/21/2007	10:54	0.0	0.0	0.0	0.0	20.9
126	06/21/2007	10:55	0.0	0.0	0.0	0.0	20.9
127	06/21/2007	10:56	0.0	0.0	0.0	0.0	20.9
128	06/21/2007	10:57	0.0	0.0	0.0	0.0	20.9
129	06/21/2007	10:58	0.0	0.0	0.0	0.0	20.9
130	06/21/2007	10:59	0.0	0.0	0.0	0.0	20.9
131	06/21/2007	11:00	0.0	0.0	0.0	0.0	20.9
132	06/21/2007	11:01	0.0	0.0	0.0	0.0	20.9
133	06/21/2007	11:02	0.0	0.0	0.0	0.0	20.9
134	06/21/2007	11:03	0.0	0.0	0.0	0.0	20.9
135	06/21/2007	11:04	0.0	0.0	0.0	0.0	20.9
136	06/21/2007	11:05	0.0	0.0	0.0	0.0	20.9
137	06/21/2007	11:06	0.0	0.0	0.0	0.0	20.9
138	06/21/2007	11:07	0.0	0.0	0.0	0.0	20.9
139	06/21/2007	11:08	0.0	0.0	0.0	0.0	20.9
140	06/21/2007	11:09	0.0	0.0	0.0	0.0	20.9
141	06/21/2007	11:10	0.0	0.0	0.0	0.0	20.9
142	06/21/2007	11:11	0.0	0.0	0.0	0.0	20.9
143	06/21/2007	11:12	0.0	0.0	0.0	0.0	20.9
144	06/21/2007	11:13	0.0	0.0	0.0	0.0	20.9
145	06/21/2007	11:14	0.0	0.0	0.0	0.0	20.9
146	06/21/2007	11:15	0.0	0.0	0.0	0.0	20.9
147	06/21/2007	11:16	0.0	0.0	0.0	0.0	20.9
148	06/21/2007	11:17	0.0	0.0	0.0	0.0	20.9
149	06/21/2007	11:18	0.0	0.0	0.0	0.0	20.9
150	06/21/2007	11:19	0.0	0.0	0.0	0.0	20.9
151	06/21/2007	11:20	0.0	0.0	0.0	0.0	20.9
152	06/21/2007	11:21	0.0	0.0	0.0	0.0	20.9
153	06/21/2007	11:22	0.0	0.0	0.0	0.0	20.9
154	06/21/2007	11:23	0.0	0.0	0.0	0.0	20.9
155	06/21/2007	11:24	0.0	0.0	0.0	0.0	20.9
156	06/21/2007	11:25	0.0	0.0	0.0	0.0	20.9
157	06/21/2007	11:26	0.0	0.0	0.0	0.0	20.9
158	06/21/2007	11:27	0.0	0.0	0.0	0.0	20.9
159	06/21/2007	11:28	0.0	0.0	0.0	0.0	20.9
160	06/21/2007	11:29	0.0	0.0	0.0	0.0	20.9
161	06/21/2007	11:30	0.0	0.0	0.0	0.0	20.9
162	06/21/2007	11:31	0.0	0.0	0.0	0.0	20.9
163	06/21/2007	11:32	0.0	0.0	0.0	0.0	20.9
164	06/21/2007	11:33	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
165	06/21/2007	11:34	0.0	0.0	0.0	0.0	20.9
166	06/21/2007	11:35	0.0	0.0	0.0	0.0	20.9
167	06/21/2007	11:36	0.0	0.0	0.0	0.0	20.9
168	06/21/2007	11:37	0.0	0.0	0.0	0.0	20.9
169	06/21/2007	11:38	0.0	0.0	0.0	0.0	20.9
170	06/21/2007	11:39	0.0	0.0	0.0	0.0	20.9
171	06/21/2007	11:40	0.0	0.0	0.0	0.0	20.9
172	06/21/2007	11:41	0.0	0.0	0.0	0.0	20.9
173	06/21/2007	11:42	0.0	0.0	0.0	0.0	20.9
174	06/21/2007	11:43	0.0	0.0	0.0	0.0	20.9
175	06/21/2007	11:44	0.0	0.0	0.0	0.0	20.9
176	06/21/2007	11:45	0.0	0.0	0.0	0.0	20.9
177	06/21/2007	11:46	0.0	0.0	0.0	0.0	20.9
178	06/21/2007	11:47	0.0	0.0	0.0	0.0	20.9
179	06/21/2007	11:48	0.0	0.0	0.0	0.0	20.9
180	06/21/2007	11:49	0.0	0.0	0.0	0.0	20.9
181	06/21/2007	11:50	0.0	0.0	0.0	0.0	20.9
182	06/21/2007	11:51	0.0	0.0	0.0	0.0	20.9
183	06/21/2007	11:52	0.0	0.0	0.0	0.0	20.9
184	06/21/2007	11:53	0.0	0.0	0.0	0.0	20.9
185	06/21/2007	11:54	0.0	0.0	0.0	0.0	20.9
186	06/21/2007	11:55	0.0	0.0	0.0	0.0	20.9
187	06/21/2007	11:56	0.0	0.0	0.0	0.0	20.9
188	06/21/2007	11:57	0.0	0.0	0.0	0.0	20.9
189	06/21/2007	11:58	0.0	0.0	0.0	0.0	20.9
190	06/21/2007	11:59	0.0	0.0	0.0	0.0	20.9
191	06/21/2007	12:00	0.0	0.0	0.0	0.0	20.9
192	06/21/2007	12:01	0.0	0.0	0.0	0.0	20.9
193	06/21/2007	12:02	0.0	0.0	0.0	0.0	20.9
194	06/21/2007	12:03	0.0	0.0	0.0	0.0	20.9
195	06/21/2007	12:04	0.0	0.0	0.0	0.0	20.9
196	06/21/2007	12:05	0.0	0.0	0.0	0.0	20.9
197	06/21/2007	12:06	0.0	0.0	0.0	0.0	20.9
198	06/21/2007	12:07	0.0	0.0	0.0	0.0	20.9
199	06/21/2007	12:08	0.0	0.0	0.0	0.0	20.9
200	06/21/2007	12:09	0.0	0.0	0.0	0.0	20.9
201	06/21/2007	12:10	0.0	0.0	0.0	0.0	20.9
202	06/21/2007	12:11	0.0	0.0	0.0	0.0	20.9
203	06/21/2007	12:12	0.0	0.0	0.0	0.0	20.9
204	06/21/2007	12:13	0.0	0.0	0.0	0.0	20.9
205	06/21/2007	12:14	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:			CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:			200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:			35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
206	06/21/2007	12:15	0.0	0.0	0.0	0.0	20.9
207	06/21/2007	12:16	0.0	0.0	0.0	0.0	20.9
208	06/21/2007	12:17	0.0	0.0	0.0	0.0	20.9
209	06/21/2007	12:18	0.0	0.0	0.0	0.0	20.9
210	06/21/2007	12:19	0.0	0.0	0.0	0.0	20.9
211	06/21/2007	12:20	0.0	0.0	0.0	0.0	20.9
212	06/21/2007	12:21	0.3	0.0	0.0	0.0	20.9
213	06/21/2007	12:22	0.0	0.0	0.0	0.0	20.9
214	06/21/2007	12:23	0.0	0.0	0.0	0.0	20.9
215	06/21/2007	12:24	0.0	0.0	0.0	0.0	20.9
216	06/21/2007	12:25	0.0	0.0	0.0	0.0	20.9
217	06/21/2007	12:26	0.0	0.0	0.0	0.0	20.9
218	06/21/2007	12:27	0.0	0.0	0.0	0.0	20.9
219	06/21/2007	12:28	0.0	0.0	0.0	0.0	20.9
220	06/21/2007	12:29	0.0	0.0	0.0	0.0	20.9
221	06/21/2007	12:30	0.0	0.0	0.0	0.0	20.9
222	06/21/2007	12:31	0.0	0.0	0.0	0.0	20.9
223	06/21/2007	12:32	0.0	0.0	0.0	0.0	20.9
224	06/21/2007	12:33	0.0	0.0	0.0	0.0	20.9
225	06/21/2007	12:34	0.0	0.0	0.0	0.0	20.9
226	06/21/2007	12:35	0.0	0.0	0.0	0.0	20.9
227	06/21/2007	12:36	0.0	0.0	0.0	0.0	20.9
228	06/21/2007	12:37	0.0	0.0	0.0	0.0	20.9
229	06/21/2007	12:38	0.0	0.0	0.0	0.0	20.9
230	06/21/2007	12:39	0.0	0.0	0.0	0.0	20.9
231	06/21/2007	12:40	0.0	0.0	0.0	0.0	20.9
232	06/21/2007	12:41	0.0	0.0	0.0	0.0	20.9
233	06/21/2007	12:42	0.0	0.0	0.0	0.0	20.9
234	06/21/2007	12:43	0.0	0.0	0.0	0.0	20.9
235	06/21/2007	12:44	0.0	0.0	0.0	0.0	20.9
236	06/21/2007	12:45	0.0	0.0	0.0	0.0	20.9
237	06/21/2007	12:46	0.0	0.0	0.0	0.0	20.9
238	06/21/2007	12:47	0.0	0.0	0.0	0.0	20.9
239	06/21/2007	12:48	0.0	0.0	0.0	0.0	20.9
240	06/21/2007	12:49	0.0	0.0	0.0	0.0	20.9
241	06/21/2007	12:50	0.0	0.0	0.0	0.0	20.9
242	06/21/2007	12:51	0.0	0.0	0.0	0.0	20.9
243	06/21/2007	12:52	0.0	0.0	0.0	0.0	20.9
244	06/21/2007	12:53	0.0	0.0	0.0	0.0	20.9
245	06/21/2007	12:54	0.0	0.0	0.0	0.0	20.9
246	06/21/2007	12:55	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
247	06/21/2007	12:56	0.0	0.0	0.0	0.0	20.9
248	06/21/2007	12:57	0.0	0.0	0.0	0.0	20.9
249	06/21/2007	12:58	0.0	0.0	0.0	0.0	20.9
250	06/21/2007	12:59	0.0	0.0	0.0	0.0	20.9
251	06/21/2007	13:00	0.0	0.0	0.0	0.0	20.9
252	06/21/2007	13:01	0.0	0.0	0.0	0.0	20.9
253	06/21/2007	13:02	0.0	0.0	0.0	0.0	20.9
254	06/21/2007	13:03	0.0	0.0	0.0	0.0	20.9
255	06/21/2007	13:04	0.0	0.0	0.0	0.0	20.9
256	06/21/2007	13:05	0.0	0.0	0.0	0.0	20.9
257	06/21/2007	13:06	0.0	0.0	0.0	0.0	20.9
258	06/21/2007	13:07	0.0	0.0	0.0	0.0	20.9
259	06/21/2007	13:08	0.0	0.0	0.0	0.0	20.9
260	06/21/2007	13:09	0.0	0.0	0.0	0.0	20.9
261	06/21/2007	13:10	0.0	0.0	0.0	0.0	20.9
262	06/21/2007	13:11	0.0	0.0	0.0	0.0	20.9
263	06/21/2007	13:12	0.0	0.0	0.0	0.0	20.9
264	06/21/2007	13:13	0.0	0.0	0.0	0.0	20.9
265	06/21/2007	13:14	0.0	0.0	0.0	0.0	20.9
266	06/21/2007	13:15	0.0	0.0	0.0	0.0	20.9
267	06/21/2007	13:16	0.0	0.0	0.0	0.0	20.9
268	06/21/2007	13:17	0.0	0.0	0.0	0.0	20.9
269	06/21/2007	13:18	0.0	0.0	0.0	0.0	20.9
270	06/21/2007	13:19	0.0	0.0	0.0	0.0	20.9
271	06/21/2007	13:20	0.0	0.0	0.0	0.0	20.9
272	06/21/2007	13:21	0.0	0.0	0.0	0.0	20.9
273	06/21/2007	13:22	0.0	0.0	0.0	0.0	20.9
274	06/21/2007	13:23	0.0	0.0	0.0	0.0	20.9
275	06/21/2007	13:24	0.0	0.0	0.0	0.0	20.9
276	06/21/2007	13:25	0.0	0.0	0.0	0.0	20.9
277	06/21/2007	13:26	0.0	0.0	0.0	0.0	20.9
278	06/21/2007	13:27	0.0	0.0	0.0	0.0	20.9
279	06/21/2007	13:28	0.0	0.0	0.0	0.0	20.9
280	06/21/2007	13:29	0.0	0.0	0.0	0.0	20.9
281	06/21/2007	13:30	0.0	0.0	0.0	0.0	20.9
282	06/21/2007	13:31	0.0	0.0	0.0	0.0	20.9
283	06/21/2007	13:32	0.0	0.0	0.0	0.0	20.9
284	06/21/2007	13:33	0.0	0.0	0.0	0.0	20.9
285	06/21/2007	13:34	0.0	0.0	0.0	0.0	20.9
286	06/21/2007	13:35	0.0	0.0	0.0	0.0	20.9
287	06/21/2007	13:36	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
288	06/21/2007	13:37	0.0	0.0	0.0	0.0	20.9
289	06/21/2007	13:38	0.0	0.0	0.0	0.0	20.9
290	06/21/2007	13:39	0.0	0.0	0.0	0.0	20.9
291	06/21/2007	13:40	0.0	0.0	0.0	0.0	20.9
292	06/21/2007	13:41	0.0	0.0	0.0	0.0	20.9
293	06/21/2007	13:42	0.0	0.0	0.0	0.0	20.9
294	06/21/2007	13:43	0.0	0.0	0.0	0.0	20.9
295	06/21/2007	13:44	0.0	0.0	0.0	0.0	20.9
296	06/21/2007	13:45	0.0	0.0	0.0	0.0	20.9
297	06/21/2007	13:46	0.0	0.0	0.0	0.0	20.9
298	06/21/2007	13:47	0.0	0.0	0.0	0.0	20.9
299	06/21/2007	13:48	0.0	0.0	0.0	0.0	20.9
300	06/21/2007	13:49	0.0	0.0	0.0	0.0	20.9
301	06/21/2007	13:50	0.0	0.0	0.0	0.0	20.9
302	06/21/2007	13:51	0.0	0.0	0.0	0.0	20.9
303	06/21/2007	13:52	0.0	0.0	0.0	0.0	20.9
304	06/21/2007	13:53	0.0	0.0	0.0	0.0	20.9
305	06/21/2007	13:54	0.0	0.0	0.0	0.0	20.9
306	06/21/2007	13:55	0.0	0.0	0.0	0.0	20.9
307	06/21/2007	13:56	0.0	0.0	0.0	0.0	20.9
308	06/21/2007	13:57	0.0	0.0	0.0	0.0	20.9
309	06/21/2007	13:58	0.0	0.0	0.0	0.0	20.9
310	06/21/2007	13:59	0.0	0.0	0.0	0.0	20.9
311	06/21/2007	14:00	0.0	0.0	0.0	0.0	20.9
312	06/21/2007	14:01	0.0	0.0	0.0	0.0	20.9
313	06/21/2007	14:02	0.0	0.0	0.0	0.0	20.9
314	06/21/2007	14:03	0.0	0.0	0.0	0.0	20.9
315	06/21/2007	14:04	0.0	0.0	0.0	0.0	20.9
316	06/21/2007	14:05	0.0	0.0	0.0	0.0	20.9
317	06/21/2007	14:06	0.0	0.0	0.0	0.0	20.9
318	06/21/2007	14:07	0.0	0.0	0.0	0.0	20.9
319	06/21/2007	14:08	0.0	0.0	0.0	0.0	20.9
320	06/21/2007	14:09	0.0	0.0	0.0	0.0	20.9
321	06/21/2007	14:10	0.0	0.0	0.0	0.0	20.9
322	06/21/2007	14:11	0.0	0.0	0.0	0.0	20.9
323	06/21/2007	14:12	0.0	0.0	0.0	0.0	20.9
324	06/21/2007	14:13	0.0	0.0	0.0	0.0	20.9
325	06/21/2007	14:14	0.0	0.0	0.0	0.0	20.9
326	06/21/2007	14:15	0.0	0.0	0.0	0.0	20.9
327	06/21/2007	14:16	0.0	0.0	0.0	0.0	20.9
328	06/21/2007	14:17	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
329	06/21/2007	14:18	0.0	0.0	0.0	0.0	20.9
330	06/21/2007	14:19	0.0	0.0	0.0	0.0	20.9
331	06/21/2007	14:20	0.0	0.0	0.0	0.0	20.9
332	06/21/2007	14:21	0.0	0.0	0.0	0.0	20.9
333	06/21/2007	14:22	0.0	0.0	0.0	0.0	20.9
334	06/21/2007	14:23	0.0	0.0	0.0	0.0	20.9
335	06/21/2007	14:24	0.0	0.0	0.0	0.0	20.9
336	06/21/2007	14:25	0.0	0.0	0.0	0.0	20.9
337	06/21/2007	14:26	0.0	0.0	0.0	0.0	20.9
338	06/21/2007	14:27	0.0	0.0	0.0	0.0	20.9
339	06/21/2007	14:28	0.0	0.0	0.0	0.0	20.9
340	06/21/2007	14:29	0.0	0.0	0.0	0.0	20.9
341	06/21/2007	14:30	0.0	0.0	0.0	0.0	20.9
342	06/21/2007	14:31	0.0	0.0	0.0	0.0	20.9
343	06/21/2007	14:32	0.0	0.0	0.0	0.0	20.9
344	06/21/2007	14:33	0.0	0.0	0.0	0.0	20.9
345	06/21/2007	14:34	0.0	0.0	0.0	0.0	20.9
346	06/21/2007	14:35	0.0	0.0	0.0	0.0	20.9
347	06/21/2007	14:36	0.0	0.0	0.0	0.0	20.9
348	06/21/2007	14:37	0.0	0.0	0.0	0.0	20.9
349	06/21/2007	14:38	0.0	0.0	0.0	0.0	20.9
350	06/21/2007	14:39	0.0	0.0	0.0	0.0	20.9
351	06/21/2007	14:40	0.0	0.0	0.0	0.0	20.9
352	06/21/2007	14:41	0.0	0.0	0.0	0.0	20.9
353	06/21/2007	14:42	0.0	0.0	0.0	0.0	20.9
354	06/21/2007	14:43	0.0	0.0	0.0	0.0	20.9
355	06/21/2007	14:44	0.0	0.0	0.0	0.0	20.9
356	06/21/2007	14:45	0.0	0.0	0.0	0.0	20.9
357	06/21/2007	14:46	0.0	0.0	0.0	0.0	20.9
358	06/21/2007	14:47	0.0	0.0	0.0	0.0	20.9
359	06/21/2007	14:48	0.0	0.0	0.0	0.0	20.9
360	06/21/2007	14:49	0.0	0.0	0.0	0.0	20.9
361	06/21/2007	14:50	0.0	0.0	0.0	0.0	20.9
362	06/21/2007	14:51	0.0	0.0	0.0	0.0	20.9
363	06/21/2007	14:52	0.0	0.0	0.0	0.0	20.9
364	06/21/2007	14:53	0.0	0.0	0.0	0.0	20.9
365	06/21/2007	14:54	0.0	0.0	0.0	0.0	20.9
366	06/21/2007	14:55	0.0	0.0	0.0	0.0	20.9
367	06/21/2007	14:56	0.0	0.0	0.0	0.0	20.9
368	06/21/2007	14:57	0.0	0.0	0.0	0.0	20.9
369	06/21/2007	14:58	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
370	06/21/2007	14:59	0.0	0.0	0.0	0.0	20.9
371	06/21/2007	15:00	0.0	0.0	0.0	0.0	20.9
372	06/21/2007	15:01	0.0	0.0	0.0	0.0	20.9
373	06/21/2007	15:02	0.0	0.0	0.0	0.0	20.9
374	06/21/2007	15:03	0.0	0.0	0.0	0.0	20.9
375	06/21/2007	15:04	0.0	0.0	0.0	0.0	20.9
376	06/21/2007	15:05	0.0	0.0	0.0	0.0	20.9
377	06/21/2007	15:06	0.0	0.0	0.0	0.0	20.9
378	06/21/2007	15:07	0.0	0.0	0.0	0.0	20.9
379	06/21/2007	15:08	0.0	0.0	0.0	0.0	20.9
380	06/21/2007	15:09	0.0	0.0	0.0	0.0	20.9
381	06/21/2007	15:10	0.0	0.0	0.0	0.0	20.9
382	06/21/2007	15:11	0.0	0.0	0.0	0.0	20.9
383	06/21/2007	15:12	0.0	0.0	0.0	0.0	20.9
384	06/21/2007	15:13	0.0	0.0	0.0	0.0	20.9
385	06/21/2007	15:14	0.0	0.0	0.0	0.0	20.9
386	06/21/2007	15:15	0.0	0.0	0.0	0.0	20.9
387	06/21/2007	15:16	0.0	0.0	0.0	0.0	20.9
388	06/21/2007	15:17	0.0	0.0	0.0	0.0	20.9
389	06/21/2007	15:18	0.0	0.0	0.0	0.0	20.9
390	06/21/2007	15:19	0.0	0.0	0.0	0.0	20.9
391	06/21/2007	15:20	0.0	0.0	0.0	0.0	20.9
392	06/21/2007	15:21	0.0	0.0	0.0	0.0	20.9
393	06/21/2007	15:22	0.0	0.0	0.0	0.0	20.9
394	06/21/2007	15:23	0.0	0.0	0.0	0.0	20.9
395	06/21/2007	15:24	0.0	0.0	0.0	0.0	20.9
396	06/21/2007	15:25	0.0	0.0	0.0	0.0	20.9
397	06/21/2007	15:26	0.0	0.0	0.0	0.0	20.9
398	06/21/2007	15:27	0.0	0.0	0.0	0.0	20.9
399	06/21/2007	15:28	0.0	0.0	0.0	0.0	20.9
400	06/21/2007	15:29	0.0	0.0	0.0	0.0	20.9
401	06/21/2007	15:30	0.0	0.0	0.0	0.0	20.9
402	06/21/2007	15:31	0.0	0.0	0.0	0.0	20.9
403	06/21/2007	15:32	0.0	0.0	0.0	0.0	20.9
404	06/21/2007	15:33	0.0	0.0	0.0	0.0	20.9
405	06/21/2007	15:34	0.0	0.0	0.0	0.0	20.9
406	06/21/2007	15:35	0.0	0.0	0.0	0.0	20.9
407	06/21/2007	15:36	0.0	0.0	0.0	0.0	20.9
408	06/21/2007	15:37	0.0	0.0	0.0	0.0	20.9
409	06/21/2007	15:38	0.0	0.0	0.0	0.0	20.9
410	06/21/2007	15:39	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
411	06/21/2007	15:40	0.0	0.0	0.0	0.0	20.9
412	06/21/2007	15:41	0.0	0.0	0.0	0.0	20.9
413	06/21/2007	15:42	0.0	0.0	0.0	0.0	20.9
414	06/21/2007	15:43	0.0	0.0	0.0	0.0	20.9
415	06/21/2007	15:44	0.0	0.0	0.0	0.0	20.9
416	06/21/2007	15:45	0.0	0.0	0.0	0.0	20.9
417	06/21/2007	15:46	0.0	0.0	0.0	0.0	20.9
418	06/21/2007	15:47	0.0	0.0	0.0	0.0	20.9
419	06/21/2007	15:48	0.0	0.0	0.0	0.0	20.9
420	06/21/2007	15:49	0.0	0.0	0.0	0.0	20.9
421	06/21/2007	15:50	0.0	0.0	0.0	0.0	20.9
422	06/21/2007	15:51	0.0	0.0	0.0	0.0	20.9
423	06/21/2007	15:52	0.0	0.0	0.0	0.0	20.9
424	06/21/2007	15:53	0.0	0.0	0.0	0.0	20.9
425	06/21/2007	15:54	0.0	0.0	0.0	0.0	20.9
426	06/21/2007	15:55	0.0	0.0	0.0	0.0	20.9
427	06/21/2007	15:56	0.0	0.0	0.0	0.0	20.9
428	06/21/2007	15:57	0.0	0.0	0.0	0.0	20.9
429	06/21/2007	15:58	0.0	0.0	0.0	0.0	20.9
430	06/21/2007	15:59	0.0	0.0	0.0	0.0	20.9
431	06/21/2007	16:00	0.0	0.0	0.0	0.0	20.9
432	06/21/2007	16:01	0.0	0.0	0.0	0.0	20.9
433	06/21/2007	16:02	0.0	0.0	0.0	0.0	20.9
434	06/21/2007	16:03	0.0	0.0	0.0	0.0	20.9
435	06/21/2007	16:04	0.0	0.0	0.0	0.0	20.9
436	06/21/2007	16:05	0.0	0.0	0.0	0.0	20.9
437	06/21/2007	16:06	0.0	0.0	0.0	0.0	20.9
438	06/21/2007	16:07	0.0	0.0	0.0	0.0	20.9
439	06/21/2007	16:08	0.0	0.0	0.0	0.0	20.9
440	06/21/2007	16:09	0.0	0.0	0.0	0.0	20.9
441	06/21/2007	16:10	0.0	0.0	0.0	0.0	20.9
442	06/21/2007	16:11	0.0	0.0	0.0	0.0	20.9
443	06/21/2007	16:12	0.0	0.0	0.0	0.0	20.9
444	06/21/2007	16:13	0.0	0.0	0.0	0.0	20.9
445	06/21/2007	16:14	0.0	0.0	0.0	0.0	20.9
446	06/21/2007	16:15	0.0	0.0	0.0	0.0	20.9
447	06/21/2007	16:16	0.0	0.0	0.0	0.0	20.9
448	06/21/2007	16:17	0.0	0.0	0.0	0.0	20.9
449	06/21/2007	16:18	0.0	0.0	0.0	0.0	20.9
450	06/21/2007	16:19	0.0	0.0	0.0	0.0	20.9
451	06/21/2007	16:20	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
452	06/21/2007	16:21	0.0	0.0	0.0	0.0	20.9
453	06/21/2007	16:22	0.0	0.0	0.0	0.0	20.9
454	06/21/2007	16:23	0.0	0.0	0.0	0.0	20.9
455	06/21/2007	16:24	0.0	0.0	0.0	0.0	20.9
456	06/21/2007	16:25	0.0	0.0	0.0	0.0	20.9
457	06/21/2007	16:26	0.0	0.0	0.0	0.0	20.9
458	06/21/2007	16:27	0.0	0.0	0.0	0.0	20.9
459	06/21/2007	16:28	0.0	0.0	0.0	0.0	20.9
460	06/21/2007	16:29	0.0	0.0	0.0	0.0	20.9
461	06/21/2007	16:30	0.0	0.0	0.0	0.0	20.9
462	06/21/2007	16:31	0.0	0.0	0.0	0.0	20.9
463	06/21/2007	16:32	0.0	0.0	0.0	0.0	20.9
464	06/21/2007	16:33	0.0	0.0	0.0	0.0	20.9
465	06/21/2007	16:34	0.0	0.0	0.0	0.0	20.9
466	06/21/2007	16:35	0.0	0.0	0.0	0.0	20.9
467	06/21/2007	16:36	0.0	0.0	0.0	0.0	20.9
468	06/21/2007	16:37	0.0	0.0	0.0	0.0	20.9
469	06/21/2007	16:38	0.0	0.0	0.0	0.0	20.9
470	06/21/2007	16:39	0.0	0.0	0.0	0.0	20.9
471	06/21/2007	16:40	0.0	0.0	0.0	0.0	20.9
472	06/21/2007	16:41	0.0	0.0	0.0	0.0	20.9
473	06/21/2007	16:42	0.0	0.0	0.0	0.0	20.9
474	06/21/2007	16:43	0.0	0.0	0.0	0.0	20.9
475	06/21/2007	16:44	0.0	0.0	0.0	0.0	20.9
476	06/21/2007	16:45	0.0	0.0	0.0	0.0	20.9
477	06/21/2007	16:46	0.0	0.0	0.0	0.0	20.9
478	06/21/2007	16:47	0.0	0.0	0.0	0.0	20.9
479	06/21/2007	16:48	0.0	0.0	0.0	0.0	20.9
480	06/21/2007	16:49	0.0	0.0	0.0	0.0	20.9
481	06/21/2007	16:50	0.0	0.0	0.0	0.0	20.9
482	06/21/2007	16:51	0.0	0.0	0.0	0.0	20.9
483	06/21/2007	16:52	0.0	0.0	0.0	0.0	20.9
484	06/21/2007	16:53	0.0	0.0	0.0	0.0	20.9
485	06/21/2007	16:54	0.0	0.0	0.0	0.0	20.9
486	06/21/2007	16:55	0.0	0.0	0.0	0.0	20.9
487	06/21/2007	16:56	0.0	0.0	0.0	0.0	20.9
488	06/21/2007	16:57	0.0	0.0	0.0	0.0	20.9
489	06/21/2007	16:58	0.0	0.0	0.0	0.0	20.9
490	06/21/2007	16:59	0.0	0.0	0.0	0.0	20.9
491	06/21/2007	17:00	0.0	0.0	0.0	0.0	20.9
492	06/21/2007	17:01	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
493	06/21/2007	17:02	0.0	0.0	0.0	0.0	20.9
494	06/21/2007	17:03	5.3	0.0	0.0	0.0	20.9
495	06/21/2007	17:04	7.8	0.0	0.0	0.0	20.9
496	06/21/2007	17:05	10.6	0.0	0.0	0.0	20.9
497	06/21/2007	17:06	2.7	0.0	0.0	0.0	20.9
498	06/21/2007	17:07	0.0	0.0	0.0	0.0	20.9
499	06/21/2007	17:08	0.0	0.0	0.0	0.0	20.9
500	06/21/2007	17:09	0.0	0.0	0.0	0.0	20.9
501	06/21/2007	17:10	0.0	0.0	0.0	0.0	20.9
502	06/21/2007	17:11	0.0	0.0	0.0	0.0	20.9
503	06/21/2007	17:12	0.0	0.0	0.0	0.0	20.9
504	06/21/2007	17:13	0.0	0.0	0.0	0.0	20.9
505	06/21/2007	17:14	0.0	0.0	0.0	0.0	20.9
506	06/21/2007	17:15	0.0	0.0	0.0	0.0	20.9
507	06/21/2007	17:16	0.0	0.0	0.0	0.0	20.9
508	06/21/2007	17:17	0.0	0.0	0.0	0.0	20.9
509	06/21/2007	17:18	0.0	0.0	0.0	0.0	20.9
510	06/21/2007	17:19	0.0	0.0	0.0	0.0	20.9
511	06/21/2007	17:20	0.0	0.0	0.0	0.0	20.9
512	06/21/2007	17:21	0.0	0.0	0.0	0.0	20.9
513	06/21/2007	17:22	0.0	0.0	0.0	0.0	20.9
514	06/21/2007	17:23	0.0	0.0	0.0	0.0	20.9
515	06/21/2007	17:24	0.0	0.0	0.0	0.0	20.9
516	06/21/2007	17:25	0.0	0.0	0.0	0.0	20.9
517	06/21/2007	17:26	0.0	0.0	0.0	0.0	20.9
518	06/21/2007	17:27	0.0	0.0	0.0	0.0	20.9
519	06/21/2007	17:28	0.0	0.0	0.0	0.0	20.9
520	06/21/2007	17:29	0.0	0.0	0.0	0.0	20.9
521	06/21/2007	17:30	0.0	0.0	0.0	0.0	20.9
522	06/21/2007	17:31	0.0	0.0	0.0	0.0	20.9
523	06/21/2007	17:32	0.0	0.0	0.0	0.0	20.9
524	06/21/2007	17:33	0.0	0.0	0.0	0.0	20.9
525	06/21/2007	17:34	0.0	0.0	0.0	0.0	20.9
526	06/21/2007	17:35	0.0	0.0	0.0	0.0	20.9
527	06/21/2007	17:36	0.0	0.0	0.0	0.0	20.9
528	06/21/2007	17:37	0.0	0.0	0.0	0.0	20.9
529	06/21/2007	17:38	0.0	0.0	0.0	0.0	20.9
530	06/21/2007	17:39	0.0	0.0	0.0	0.0	20.9
531	06/21/2007	17:40	0.0	0.0	0.0	0.0	20.9
532	06/21/2007	17:41	0.0	0.0	0.0	0.0	20.9
533	06/21/2007	17:42	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
534	06/21/2007	17:43	0.0	0.0	0.0	0.0	20.9
535	06/21/2007	17:44	0.0	0.0	0.0	0.0	20.9
536	06/21/2007	17:45	0.0	0.0	0.0	0.0	20.9
537	06/21/2007	17:46	0.0	0.0	0.0	0.0	20.9
538	06/21/2007	17:47	0.0	0.0	0.0	0.0	20.9
539	06/21/2007	17:48	0.0	0.0	0.0	0.0	20.9
540	06/21/2007	17:49	0.0	0.0	0.0	0.0	20.9
541	06/21/2007	17:50	0.0	0.0	0.0	0.0	20.9
542	06/21/2007	17:51	0.0	0.0	0.0	0.0	20.9
543	06/21/2007	17:52	0.0	0.0	0.0	0.0	20.9
544	06/21/2007	17:53	0.0	0.0	0.0	0.0	20.9
545	06/21/2007	17:54	0.0	0.0	0.0	0.0	20.9
546	06/21/2007	17:55	0.0	0.0	0.0	0.0	20.9
547	06/21/2007	17:56	0.0	0.0	0.0	0.0	20.9
548	06/21/2007	17:57	0.0	0.0	0.0	0.0	20.9
549	06/21/2007	17:58	0.0	0.0	0.0	0.0	20.9
550	06/21/2007	17:59	0.0	0.0	0.0	0.0	20.9
551	06/21/2007	18:00	0.0	0.0	0.0	0.0	20.9
552	06/21/2007	18:01	0.0	0.0	0.0	0.0	20.9
553	06/21/2007	18:02	0.0	0.0	0.0	0.0	20.9
554	06/21/2007	18:03	0.0	0.0	0.0	0.0	20.9
555	06/21/2007	18:04	0.0	0.0	0.0	0.0	20.9
556	06/21/2007	18:05	0.0	0.0	0.0	0.0	20.9
557	06/21/2007	18:06	0.0	0.0	0.0	0.0	20.9
558	06/21/2007	18:07	0.0	0.0	0.0	0.0	20.9
559	06/21/2007	18:08	0.0	0.0	0.0	0.0	20.9
560	06/21/2007	18:09	0.0	0.0	0.0	0.0	20.9
561	06/21/2007	18:10	0.0	0.0	0.0	0.0	20.9
562	06/21/2007	18:11	0.0	0.0	0.0	0.0	20.9
563	06/21/2007	18:12	0.0	0.0	0.0	0.0	20.9
564	06/21/2007	18:13	0.0	0.0	0.0	0.0	20.9
565	06/21/2007	18:14	0.0	0.0	0.0	0.0	20.9
566	06/21/2007	18:15	0.0	0.0	0.0	0.0	20.9
567	06/21/2007	18:16	0.0	0.0	0.0	0.0	20.9
568	06/21/2007	18:17	0.0	0.0	0.0	0.0	20.9
569	06/21/2007	18:18	0.0	0.0	0.0	0.0	20.9
570	06/21/2007	18:19	0.0	0.0	0.0	0.0	20.9
571	06/21/2007	18:20	0.0	0.0	0.0	0.0	20.9
572	06/21/2007	18:21	0.0	0.0	0.0	0.0	20.9
573	06/21/2007	18:22	0.0	0.0	0.0	0.0	20.9
574	06/21/2007	18:23	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
575	06/21/2007	18:24	0.0	0.0	0.0	0.0	20.9
576	06/21/2007	18:25	0.0	0.0	0.0	0.0	20.9
577	06/21/2007	18:26	0.0	0.0	0.0	0.0	20.9
578	06/21/2007	18:27	0.0	0.0	0.0	0.0	20.9
579	06/21/2007	18:28	0.0	0.0	0.0	0.0	20.9
580	06/21/2007	18:29	0.0	0.0	0.0	0.0	20.9
581	06/21/2007	18:30	0.0	0.0	0.0	0.0	20.9
582	06/21/2007	18:31	0.0	0.0	0.0	0.0	20.9
583	06/21/2007	18:32	0.0	0.0	0.0	0.0	20.9
584	06/21/2007	18:33	0.0	0.0	0.0	0.0	20.9
585	06/21/2007	18:34	0.0	0.0	0.0	0.0	20.9
586	06/21/2007	18:35	0.0	0.0	0.0	0.0	20.9
587	06/21/2007	18:36	0.0	0.0	0.0	0.0	20.9
588	06/21/2007	18:37	0.0	0.0	0.0	0.0	20.9
589	06/21/2007	18:38	0.0	0.0	0.0	0.0	20.9
590	06/21/2007	18:39	0.0	0.0	0.0	0.0	20.9
591	06/21/2007	18:40	0.0	0.0	0.0	0.0	20.9
592	06/21/2007	18:41	0.0	0.0	0.0	0.0	20.9
593	06/21/2007	18:42	0.0	0.0	0.0	0.0	20.9
594	06/21/2007	18:43	0.0	0.0	0.0	0.0	20.9
595	06/21/2007	18:44	0.0	0.0	0.0	0.0	20.9
596	06/21/2007	18:45	0.0	0.0	0.0	0.0	20.9
597	06/21/2007	18:46	0.0	0.0	0.0	0.0	20.9
598	06/21/2007	18:47	0.0	0.0	0.0	0.0	20.9
599	06/21/2007	18:48	0.0	0.0	0.0	0.0	20.9
600	06/21/2007	18:49	0.0	0.0	0.0	0.0	20.9
601	06/21/2007	18:50	0.0	0.0	0.0	0.0	20.9
602	06/21/2007	18:51	0.0	0.0	0.0	0.0	20.9
603	06/21/2007	18:52	0.0	0.0	0.0	0.0	20.9
604	06/21/2007	18:53	0.0	0.0	0.0	0.0	20.9
605	06/21/2007	18:54	0.0	0.0	0.0	0.0	20.9
606	06/21/2007	18:55	0.0	0.0	0.0	0.0	20.9
607	06/21/2007	18:56	0.0	0.0	0.0	0.0	20.9
608	06/21/2007	18:57	0.0	0.0	0.0	0.0	20.9
609	06/21/2007	18:58	0.0	0.0	0.0	0.0	20.9
610	06/21/2007	18:59	0.0	0.0	0.0	0.0	20.9
611	06/21/2007	19:00	0.0	0.0	0.0	0.0	20.9
612	06/21/2007	19:01	0.0	0.0	0.0	0.0	20.9
613	06/21/2007	19:02	0.0	0.0	0.0	0.0	20.9
614	06/21/2007	19:03	0.0	0.0	0.0	0.0	20.9
615	06/21/2007	19:04	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 641 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
616	06/21/2007	19:05	0.0	0.0	0.0	0.0	20.9
617	06/21/2007	19:06	0.0	0.0	0.0	0.0	20.9
618	06/21/2007	19:07	0.0	0.0	0.0	0.0	20.9
619	06/21/2007	19:08	0.0	0.0	0.0	0.0	20.9
620	06/21/2007	19:09	0.0	0.0	0.0	0.0	20.9
621	06/21/2007	19:10	0.0	0.0	0.0	0.0	20.9
622	06/21/2007	19:11	0.0	0.0	0.0	0.0	20.9
623	06/21/2007	19:12	0.0	0.0	0.0	0.0	20.9
624	06/21/2007	19:13	0.0	0.0	0.0	0.0	20.9
625	06/21/2007	19:14	0.0	0.0	0.0	0.0	20.9
626	06/21/2007	19:15	0.0	0.0	0.0	0.0	20.9
627	06/21/2007	19:16	0.0	0.0	0.0	0.0	20.9
628	06/21/2007	19:17	0.5	0.0	0.0	0.0	20.9
629	06/21/2007	19:18	29.2	0.0	0.0	0.0	20.9
630	06/21/2007	19:19	3.7	0.0	0.0	0.0	20.9
631	06/21/2007	19:20	0.0	0.0	0.0	0.0	20.9
632	06/21/2007	19:21	0.0	0.0	0.0	0.0	20.9
633	06/21/2007	19:22	0.0	0.0	0.0	0.0	20.9
634	06/21/2007	19:23	0.0	0.0	0.0	0.0	20.9
635	06/21/2007	19:24	0.0	0.0	0.0	0.0	20.9
636	06/21/2007	19:25	0.0	0.0	0.0	0.0	20.9
637	06/21/2007	19:26	0.0	0.0	0.0	0.0	20.9
638	06/21/2007	19:27	0.0	0.0	0.0	0.0	20.9
639	06/21/2007	19:28	0.0	0.0	0.0	0.0	20.9
640	06/21/2007	19:29	0.0	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 174 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
1	06/22/2007 08:41	0.3	0.0	0.0	0.0	20.9
2	06/22/2007 08:42	0.5	0.0	0.0	0.0	20.9
3	06/22/2007 08:43	0.3	0.1	0.0	0.0	20.9
4	06/22/2007 08:44	0.1	0.0	0.0	0.0	20.9
5	06/22/2007 08:45	0.3	0.0	0.0	0.0	20.9
6	06/22/2007 08:46	0.2	0.0	0.0	0.0	20.9
7	06/22/2007 08:47	0.3	0.0	0.0	0.0	20.9
8	06/22/2007 08:48	0.1	0.0	0.0	0.0	20.9
9	06/22/2007 08:49	0.2	0.0	0.0	0.0	20.9
10	06/22/2007 08:50	0.2	0.0	0.0	0.0	20.9
11	06/22/2007 08:51	0.3	0.0	0.0	0.0	20.9
12	06/22/2007 08:52	0.3	0.0	0.0	0.0	20.9
13	06/22/2007 08:53	0.2	0.0	0.0	0.0	20.9
14	06/22/2007 08:54	0.3	0.0	0.0	0.0	20.9
15	06/22/2007 08:55	0.3	0.0	0.0	0.0	20.9
16	06/22/2007 08:56	0.2	0.0	0.0	0.0	20.9
17	06/22/2007 08:57	0.3	0.0	0.0	0.0	20.9
18	06/22/2007 08:58	0.3	0.0	0.0	0.0	20.9
19	06/22/2007 08:59	0.5	0.0	0.0	0.0	20.9
20	06/22/2007 09:00	0.3	0.0	0.0	0.0	20.9
21	06/22/2007 09:01	0.5	0.0	0.0	0.0	20.9
22	06/22/2007 09:02	0.4	0.0	0.0	0.0	20.9
23	06/22/2007 09:03	0.5	0.0	0.0	0.0	20.9
24	06/22/2007 09:04	0.3	0.0	0.0	0.0	20.9
25	06/22/2007 09:05	0.3	0.0	0.0	0.0	20.9
26	06/22/2007 09:06	0.2	0.0	0.0	0.0	20.9
27	06/22/2007 09:07	0.3	0.0	0.0	0.0	20.9
28	06/22/2007 09:08	0.4	0.0	0.0	0.0	20.9
29	06/22/2007 09:09	0.2	0.0	0.0	0.0	20.9
30	06/22/2007 09:10	0.2	0.0	0.0	0.0	20.9
31	06/22/2007 09:11	0.2	0.0	0.0	0.0	20.9
32	06/22/2007 09:12	0.3	0.0	0.0	0.0	20.9
33	06/22/2007 09:13	0.2	0.0	0.0	0.0	20.9
34	06/22/2007 09:14	0.3	0.0	0.0	0.0	20.9
35	06/22/2007 09:15	0.1	0.0	0.0	0.0	20.9
36	06/22/2007 09:16	0.3	0.0	0.0	0.0	20.9
37	06/22/2007 09:17	0.1	0.0	0.0	0.0	20.9
38	06/22/2007 09:18	0.1	0.0	0.0	0.0	20.9
39	06/22/2007 09:19	0.2	0.0	0.0	0.0	20.9
40	06/22/2007 09:20	0.2	0.0	0.0	0.0	20.9
41	06/22/2007 09:21	0.2	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 174 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
42	06/22/2007 09:22	0.3	0.0	0.0	0.0	20.9
43	06/22/2007 09:23	0.4	0.0	0.0	0.0	20.9
44	06/22/2007 09:24	0.3	0.0	0.0	0.0	20.9
45	06/22/2007 09:25	0.4	0.0	0.0	0.0	20.9
46	06/22/2007 09:26	0.1	0.0	0.0	0.0	20.9
47	06/22/2007 09:27	0.5	0.0	0.0	0.0	20.9
48	06/22/2007 09:28	0.3	0.0	0.0	0.0	20.9
49	06/22/2007 09:29	0.2	0.0	0.0	0.0	20.9
50	06/22/2007 09:30	0.4	0.0	0.0	0.0	20.9
51	06/22/2007 09:31	0.3	0.0	0.0	0.0	20.9
52	06/22/2007 09:32	0.4	0.0	0.0	0.0	20.9
53	06/22/2007 09:33	0.5	0.0	0.0	0.0	20.9
54	06/22/2007 09:34	0.4	0.0	0.0	0.0	20.9
55	06/22/2007 09:35	0.3	0.0	0.0	0.0	20.9
56	06/22/2007 09:36	0.4	0.0	0.0	0.0	20.9
57	06/22/2007 09:37	0.6	0.0	0.0	0.0	20.9
58	06/22/2007 09:38	0.4	0.0	0.0	0.0	20.9
59	06/22/2007 09:39	0.2	0.0	0.0	0.0	20.9
60	06/22/2007 09:40	0.4	0.0	0.0	0.0	20.9
61	06/22/2007 09:41	0.2	0.0	0.0	0.0	20.9
62	06/22/2007 09:42	0.4	0.0	0.0	0.0	20.9
63	06/22/2007 09:43	0.4	0.0	0.0	0.0	20.9
64	06/22/2007 09:44	0.4	0.0	0.0	0.0	20.9
65	06/22/2007 09:45	0.4	0.0	0.0	0.0	20.9
66	06/22/2007 09:46	0.3	0.0	0.0	0.0	20.9
67	06/22/2007 09:47	0.5	0.0	0.0	0.0	20.9
68	06/22/2007 09:48	0.1	0.0	0.0	0.0	20.9
69	06/22/2007 09:49	0.5	0.0	0.0	0.0	20.9
70	06/22/2007 09:50	0.5	0.0	0.0	0.0	20.9
71	06/22/2007 09:51	0.5	0.0	0.0	0.0	20.9
72	06/22/2007 09:52	0.6	0.0	0.0	0.0	20.9
73	06/22/2007 09:53	0.7	0.0	0.0	0.0	20.9
74	06/22/2007 09:54	0.5	0.0	0.0	0.0	20.9
75	06/22/2007 09:55	0.5	0.0	0.0	0.0	20.9
76	06/22/2007 09:56	0.2	0.0	0.0	0.0	20.9
77	06/22/2007 09:57	0.6	0.0	0.0	0.0	20.9
78	06/22/2007 09:58	0.4	0.0	0.0	0.0	20.9
79	06/22/2007 09:59	0.1	0.0	0.0	0.0	20.9
80	06/22/2007 10:00	0.4	0.0	0.0	0.0	20.9
81	06/22/2007 10:01	0.3	0.0	0.0	0.0	20.9
82	06/22/2007 10:02	0.3	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 174 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
83	06/22/2007 10:03	0.1	0.0	0.0	0.0	20.9
84	06/22/2007 10:04	0.6	0.0	0.0	0.0	20.9
85	06/22/2007 10:05	0.2	0.0	0.0	0.0	20.9
86	06/22/2007 10:06	0.3	0.0	0.0	0.0	20.9
87	06/22/2007 10:07	0.5	0.0	0.0	0.0	20.9
88	06/22/2007 10:08	0.4	0.0	0.0	0.0	20.9
89	06/22/2007 10:09	0.3	0.0	0.0	0.0	20.9
90	06/22/2007 10:10	0.4	0.0	0.0	0.0	20.9
91	06/22/2007 10:11	0.1	0.0	0.0	0.0	20.9
92	06/22/2007 10:12	0.4	0.0	0.0	0.0	20.9
93	06/22/2007 10:13	0.6	0.0	0.0	0.0	20.9
94	06/22/2007 10:14	0.7	0.0	0.0	0.0	20.9
95	06/22/2007 10:15	0.3	0.0	0.0	0.0	20.9
96	06/22/2007 10:16	0.6	0.0	0.0	0.0	20.9
97	06/22/2007 10:17	0.4	0.0	0.0	0.0	20.9
98	06/22/2007 10:18	0.4	0.0	0.0	0.0	20.9
99	06/22/2007 10:19	0.3	0.0	0.0	0.0	20.9
100	06/22/2007 10:20	0.7	0.0	0.0	0.0	20.9
101	06/22/2007 10:21	0.4	0.0	0.0	0.0	20.9
102	06/22/2007 10:22	0.4	0.0	0.0	0.0	20.9
103	06/22/2007 10:23	0.5	0.0	0.0	0.0	20.9
104	06/22/2007 10:24	0.3	0.0	0.0	0.0	20.9
105	06/22/2007 10:25	0.4	0.0	0.0	0.0	20.9
106	06/22/2007 10:26	0.3	0.0	0.0	0.0	20.9
107	06/22/2007 10:27	0.6	0.0	0.0	0.0	20.9
108	06/22/2007 10:28	0.3	0.0	0.0	0.0	20.9
109	06/22/2007 10:29	0.6	0.0	0.0	0.0	20.9
110	06/22/2007 10:30	0.5	0.0	0.0	0.0	20.9
111	06/22/2007 10:31	0.3	0.0	0.0	0.0	20.9
112	06/22/2007 10:32	0.5	0.0	0.0	0.0	20.9
113	06/22/2007 10:33	0.3	0.0	0.0	0.0	20.9
114	06/22/2007 10:34	0.4	0.0	0.0	0.0	20.9
115	06/22/2007 10:35	0.5	0.0	0.0	0.0	20.9
116	06/22/2007 10:36	0.3	0.0	0.0	0.0	20.9
117	06/22/2007 10:37	0.5	0.0	0.0	0.0	20.9
118	06/22/2007 10:38	0.6	0.0	0.0	0.0	20.9
119	06/22/2007 10:39	0.6	0.0	0.0	0.0	20.9
120	06/22/2007 10:40	0.9	0.0	0.0	0.0	20.9
121	06/22/2007 10:41	0.4	0.0	0.0	0.0	20.9
122	06/22/2007 10:42	0.5	0.0	0.0	0.0	20.9
123	06/22/2007 10:43	0.6	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 174 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
124	06/22/2007	10:44	0.4	0.0	0.0	0.0	20.9
125	06/22/2007	10:45	0.3	0.0	0.0	0.0	20.9
126	06/22/2007	10:46	0.5	0.0	0.0	0.0	20.9
127	06/22/2007	10:47	0.4	0.0	0.0	0.0	20.9
128	06/22/2007	10:48	0.3	0.0	0.0	0.0	20.9
129	06/22/2007	10:49	0.3	0.0	0.0	0.0	20.9
130	06/22/2007	10:50	0.4	0.0	0.0	0.0	20.9
131	06/22/2007	10:51	0.4	0.0	0.0	0.0	20.9
132	06/22/2007	10:52	0.4	0.0	0.0	0.0	20.9
133	06/22/2007	10:53	0.4	0.0	0.0	0.0	20.9
134	06/22/2007	10:54	0.3	0.0	0.0	0.0	20.9
135	06/22/2007	10:55	0.5	0.0	0.0	0.0	20.9
136	06/22/2007	10:56	0.2	0.0	0.0	0.0	20.9
137	06/22/2007	10:57	0.5	0.0	0.0	0.0	20.9
138	06/22/2007	10:58	0.3	0.0	0.0	0.0	20.9
139	06/22/2007	10:59	0.5	0.0	0.0	0.0	20.9
140	06/22/2007	11:00	0.3	0.0	0.0	0.0	20.9
141	06/22/2007	11:01	0.3	0.0	0.0	0.0	20.9
142	06/22/2007	11:02	0.3	0.0	0.0	0.0	20.9
143	06/22/2007	11:03	0.4	0.0	0.0	0.0	20.9
144	06/22/2007	11:04	0.6	0.0	0.0	0.0	20.9
145	06/22/2007	11:05	0.4	0.0	0.0	0.0	20.9
146	06/22/2007	11:06	0.3	0.0	0.0	0.0	20.9
147	06/22/2007	11:07	0.2	0.0	0.0	0.0	20.9
148	06/22/2007	11:08	0.3	0.0	0.0	0.0	20.9
149	06/22/2007	11:09	0.2	0.0	0.0	0.0	20.9
150	06/22/2007	11:10	0.6	0.0	0.0	0.0	20.9
151	06/22/2007	11:11	0.1	0.0	0.0	0.0	20.9
152	06/22/2007	11:12	0.5	0.0	0.0	0.0	20.9
153	06/22/2007	11:13	0.3	0.0	0.0	0.0	20.9
154	06/22/2007	11:14	0.4	0.0	0.0	0.0	20.9
155	06/22/2007	11:15	0.6	0.0	0.0	0.0	20.9
156	06/22/2007	11:16	0.5	0.0	0.0	0.0	20.9
157	06/22/2007	11:17	0.5	0.0	0.0	0.0	20.9
158	06/22/2007	11:18	0.3	0.0	0.0	0.0	20.9
159	06/22/2007	11:19	0.4	0.0	0.0	0.0	20.9
160	06/22/2007	11:20	0.3	0.0	0.0	0.0	20.9
161	06/22/2007	11:21	0.3	0.0	0.0	0.0	20.9
162	06/22/2007	11:22	0.2	0.0	0.0	0.0	20.9
163	06/22/2007	11:23	0.4	0.0	0.0	0.0	20.9
164	06/22/2007	11:24	0.4	0.0	0.0	0.0	20.9

Instrument: Multi-gas Monitor (PGM50-5P) Serial Number: 517014
User ID: 00000001 Site ID: 00000001
Data Points: 174 Data Type: Avg Sample Period: 60 sec
Last Calibration Time: 06/15/2007 09:21

Gas Type:	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
High Alarm Levels:	200.0	100.0	20.0	20.0	23.5
Low Alarm Levels:	35.0	50.0	10.0	10.0	19.5

Line#	Date	Time	CO(ppm)	VOC(ppm)	H2S(ppm)	LEL(%)	OXY(%)
165	06/22/2007	11:25	0.3	0.0	0.0	0.0	20.9
166	06/22/2007	11:26	0.1	0.0	0.0	0.0	20.9
167	06/22/2007	11:27	0.2	0.0	0.0	0.0	20.9
168	06/22/2007	11:28	0.2	0.0	0.0	0.0	20.9
169	06/22/2007	11:29	0.2	0.0	0.0	0.0	20.9
170	06/22/2007	11:30	0.4	0.0	0.0	0.0	20.9
171	06/22/2007	11:31	0.4	0.0	0.0	0.0	20.9
172	06/22/2007	11:32	0.3	0.0	0.0	0.0	20.9
173	06/22/2007	11:33	0.5	0.0	0.0	0.0	20.9
174	06/22/2007	11:34	0.5	0.0	0.0	0.0	20.9

APPENDIX E

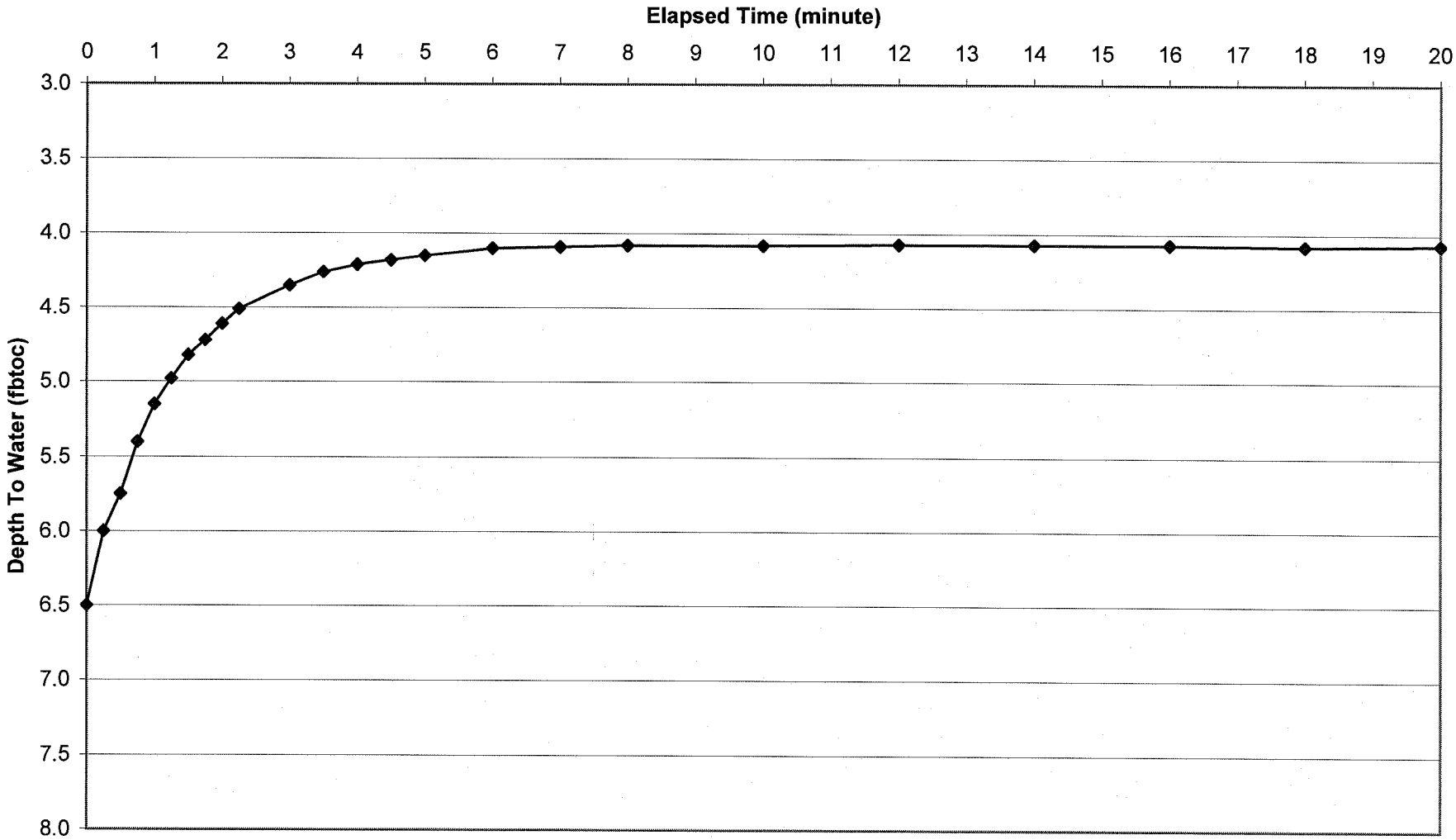
Slug Test Evaluation Data

Former Martins Gulf Station
MW-6: Rising Head Slug Test Data
Test Date: June 19, 2007

Depth To Water (fbtoc)	Elapsed Time (minutes)	Displacement in Hydraulic Head Units (feet)
6.5	0	2.48
6.0	0.25	1.98
5.75	0.5	1.73
5.4	0.75	1.38
5.15	1	1.13
4.98	1.25	0.96
4.82	1.5	0.80
4.72	1.75	0.70
4.61	2	0.59
4.51	2.25	0.49
4.35	3	0.33
4.26	3.5	0.24
4.21	4	0.19
4.18	4.5	0.16
4.15	5	0.13
4.1	6	0.08
4.09	7	0.07
4.08	8	0.06
4.08	10	0.06
4.07	12	0.05
4.07	14	0.05
4.07	16	0.05
4.08	18	0.06
4.07	20	0.05

Note:
fbtoc = feet below top of casing
Pre-Test Water Level = 4.02 fbtoc

Former Martins Gulf Station
MW-6: Rising Head Slug Test
Test Date: June 19, 2007



Data Set: U:\JBoulanger\SYR Ft Cov Slug Tests\MW-6 Results.aqt
Title: MW-6: Rising Head Slug Test
Date: 09/19/07
Time: 10:32:05

PROJECT INFORMATION

Company: Kleinfelder East, Inc.
Client: Martins Gulf Station
Project: 69968
Location: Fort Covington, NY
Test Date: June 19, 2007
Test Well: MW-6

AQUIFER DATA

Saturated Thickness: 11. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: : MW-6

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 2.48 ft
Static Water Column Height: 19.98 ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.333 ft
Well Skin Radius: 0.333 ft
Screen Length: 20. ft
Total Well Penetration Depth: 11. ft

No. of Observations: 24

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	2.48	4.	0.19
0.25	1.98	4.5	0.16
0.5	1.73	5.	0.13
0.75	1.38	6.	0.08
1.	1.13	7.	0.07
1.25	0.96	8.	0.06
1.5	0.8	10.	0.06
1.75	0.7	12.	0.05
2.	0.59	14.	0.05
2.25	0.49	16.	0.05
3.	0.33	18.	0.06
3.5	0.24	20.	0.05

SOLUTION

Aquifer Model: Confined
Solution Method: Cooper-Bredehoeft-Papadopulos

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	11.8	ft^2/day
S	0.001	

K = T/b = 1.072 ft/day

The Error Log identifies errors detected in your data set.
Choose this view when you see the "Check Errors" indicator on the status bar.

No errors detected in data set.

Tips for Analyzing Aquifer Tests with AQTESOLV for Windows

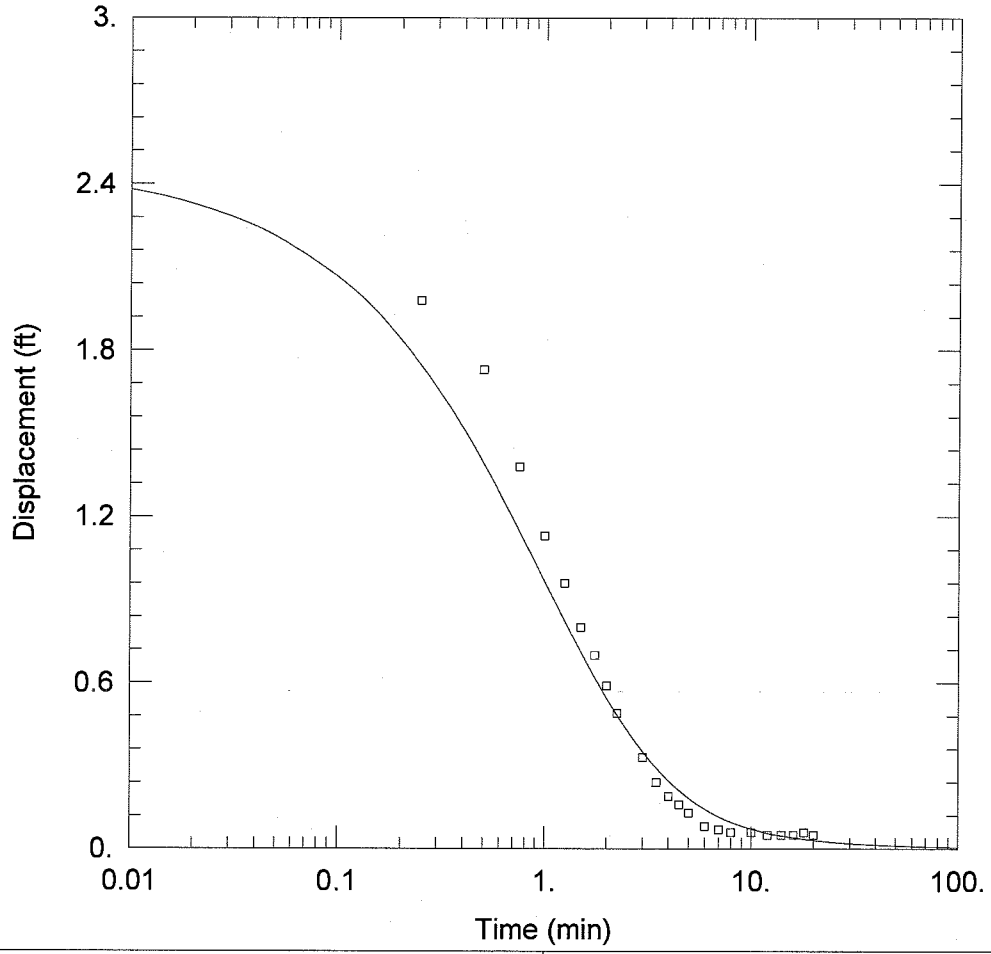
1. Enter Test Data
   Choose options from the Edit menu to enter or modify test data.
2. Perform Diagnostic Analyses (Optional)
   Choose diagnostic flow plot and derivative plot options from the View menu.
3. Perform Curve Matching or Prediction
   Choose the Solution or Toolbox options from the Match menu to perform forward solution analys
   Choose the Automatic, Visual or Toolbox options from the Match menu to perform curve matchin
4. Analysis of Residuals (Optional)
   Choose residual plot and diagnostic report options from View menu to evaluate automatic curve
5. Reporting
   Choose Format option from View menu to customize appearance of plots and reports.
   Choose Print Preview and Print options from File menu to obtain hardcopy output.

Data Set Summary

Slug Test
Total no. of observations: 24
Range of time readings in obs. well(s): 0 to 20 min
Range of displacement readings in obs. well(s): 0.05 to 2.48 ft

MW-6: Rising Head Slug Test

Prepared By:	Prepared For:
Kleinfelder East, Inc.	Martins Gulf Station
Project:	**Location:**
69968	Fort Covington, NY



SOLUTION

Aquifer Model: Confined
Solution Method: Cooper-Bredehoeft-Papadopulos

T = 11.8 ft^2/day S = 0.001

AQUIFER DATA

Saturated Thickness: 11. fAnisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-6)

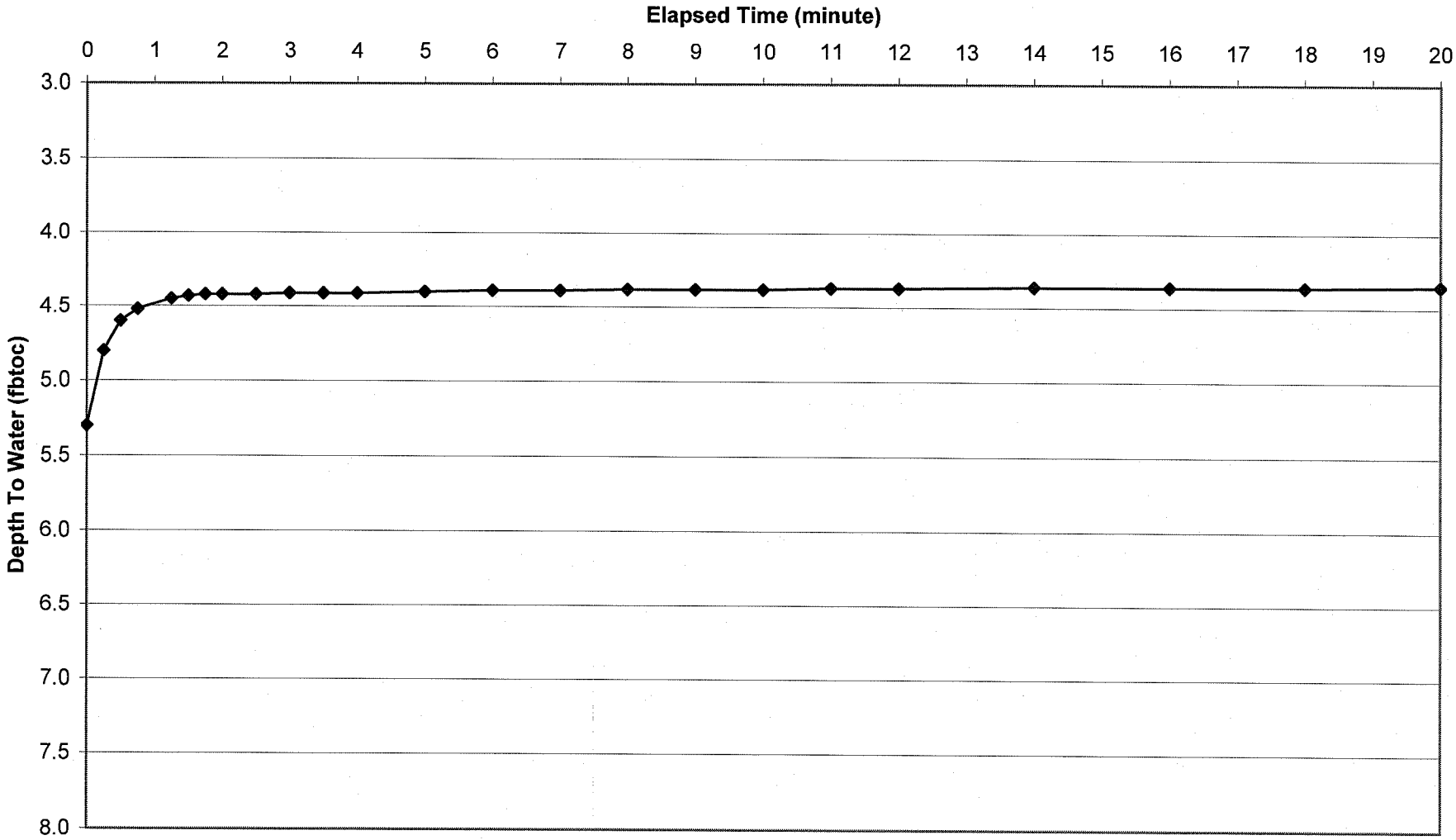
Initial Displacement: 2.48 ft
Static Water Column Height: 19.98 ft
Total Well Penetration Depth: 11. ft
Screen Length: 20. ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.333 ft

Former Martins Gulf Station
MW-2: Rising Head Slug Test Data
Test Date: June 19, 2007

Depth To Water (fbtoc)	Elapsed Time (minutes)	Displacement in Hydraulic Head Units (feet)
5.3	0	0.95
4.8	0.25	0.45
4.6	0.5	0.25
4.52	0.75	0.17
4.45	1.25	0.10
4.43	1.5	0.08
4.42	1.75	0.07
4.42	2	0.07
4.42	2.5	0.07
4.41	3	0.06
4.41	3.5	0.06
4.41	4	0.06
4.4	5	0.05
4.39	6	0.04
4.39	7	0.04
4.38	8	0.03
4.38	9	0.03
4.38	10	0.03
4.37	11	0.02
4.37	12	0.02
4.36	14	0.01
4.36	16	0.01
4.36	18	0.01
4.35	20	0.00

Note:
fbtoc = feet below top of casing
Pre-Test Water Level = 4.35 fbtoc

Former Martins Gulf Station
MW-2: Rising Head Slug Test
Test Date: June 19, 2007



Data Set: U:\JBoulanger\SYR Ft Cov Slug Tests\MW-2 Results.aqt
Title: MW-2: Rising Head Slug Test
Date: 09/19/07
Time: 10:19:52

PROJECT INFORMATION

Company: Kleinfelder East, Inc.
Client: Martins Gulf Station
Project: 69968
Location: Fort Covington, NY
Test Date: June 19, 2007
Test Well: MW-2

AQUIFER DATA

Saturated Thickness: 11. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: : MW-2

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 0.95 ft
Static Water Column Height: 20.68 ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.333 ft
Well Skin Radius: 0.333 ft
Screen Length: 20. ft
Total Well Penetration Depth: 11. ft

No. of Observations: 24

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	0.95	5.	0.05
0.25	0.45	6.	0.04
0.5	0.25	7.	0.04
0.75	0.17	8.	0.03
1.25	0.1	9.	0.03
1.5	0.08	10.	0.03
1.75	0.07	11.	0.02
2.	0.07	12.	0.02
2.5	0.07	14.	0.01
3.	0.06	16.	0.01
3.5	0.06	18.	0.01
4.	0.06	20.	0.

SOLUTION

Aquifer Model: Confined
Solution Method: Cooper-Bredehoeft-Papadopulos

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	29.62	ft^2/day
S	0.001	

K = T/b = 2.692 ft/day

The Error Log identifies errors detected in your data set.
Choose this view when you see the "Check Errors" indicator on the status bar.

No errors detected in data set.

Tips for Analyzing Aquifer Tests with AQTESOLV for Windows

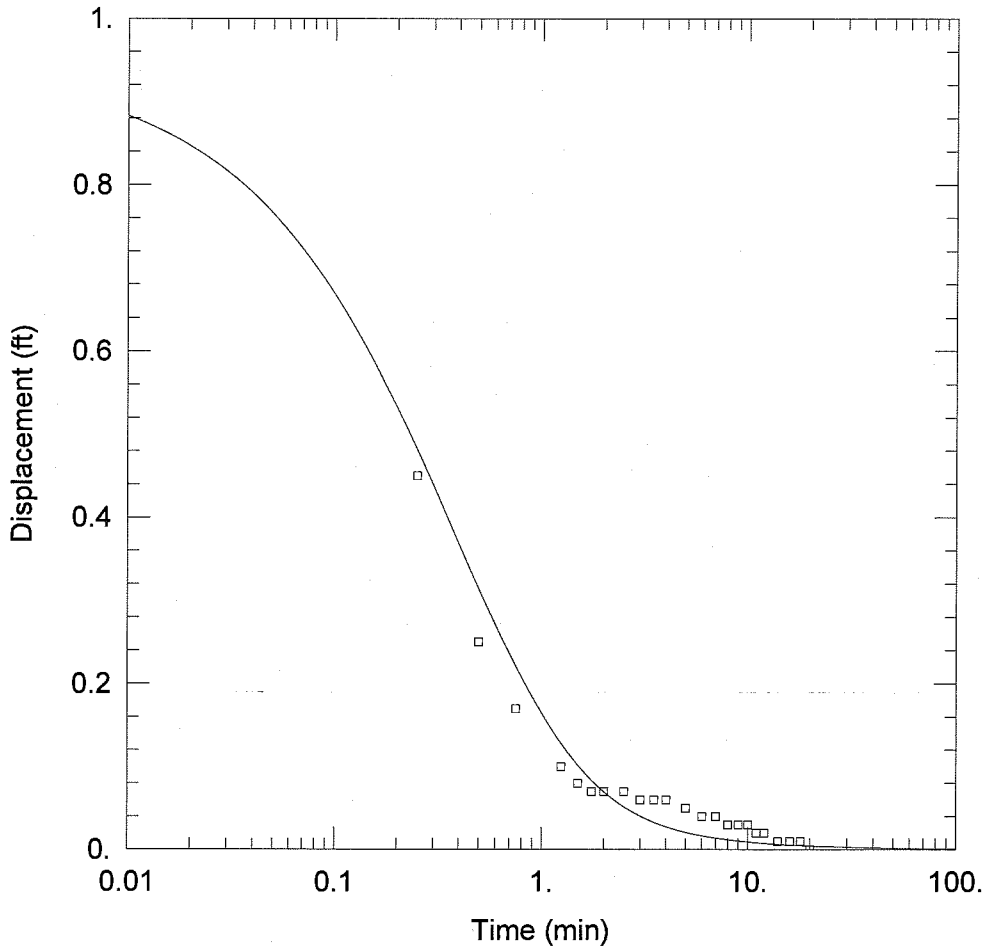
1. Enter Test Data
   Choose options from the Edit menu to enter or modify test data.
2. Perform Diagnostic Analyses (Optional)
   Choose diagnostic flow plot and derivative plot options from the View menu.
3. Perform Curve Matching or Prediction
   Choose the Solution or Toolbox options from the Match menu to perform forward solution analys
   Choose the Automatic, Visual or Toolbox options from the Match menu to perform curve matchin
4. Analysis of Residuals (Optional)
   Choose residual plot and diagnostic report options from View menu to evaluate automatic curve
5. Reporting
   Choose Format option from View menu to customize appearance of plots and reports.
   Choose Print Preview and Print options from File menu to obtain hardcopy output.

Data Set Summary

Slug Test
Total no. of observations: 24
Range of time readings in obs. well(s): 0 to 20 min
Range of displacement readings in obs. well(s): 0 to 0.95 ft

MW-2: Rising Head Slug Test

Prepared By:	Prepared For:
Kleinfelder East, Inc.	Martins Gulf Station
Project:	**Location:**
69968	Fort Covington, NY



SOLUTION

Aquifer Model: Confined
Solution Method: Cooper-Bredehoeft-Papadopulos

T = 29.62 ft^2/day S = 0.001

AQUIFER DATA

Saturated Thickness: 11. fAnisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-2)

Initial Displacement: 0.95 ft
Static Water Column Height: 20.68 ft
Total Well Penetration Depth: 11. ft
Screen Length: 20. ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.333 ft

APPENDIX F

Data Usability Summary Reports

DATA USABILITY SUMMARY REPORT
FORT. COVINGTON, NEW YORK

KLEINFELDER PROJECT ID: 69968

SAMPLE DELIVERY GROUP (SDG) FVC01

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Quality Assurance/Quality Control

Data Usability Summary Report
Fort Covington, New York

Kleinfelder Project ID: 69968

The following personnel have reviewed this report for accuracy, content, and quality of presentation:

Kleinfelder East, Inc.

Mr. John A. Martin, CHMM
Industrial Hygienist

Signature: _____ Date: 9-19-2007

Mr. John Imhoff
Senior Project Manager

Signature: _____ Date: 9-20-2007

1. Summary

This Data Usability Summary Report (DUSR) has been prepared in accordance with the New York State Department of Environmental Conservation (NYSDEC) guidance for the development of DUSR reports and is intended to verify that the data packages associated with this DUSR are complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables; to ensure that all method holding times have been met; to ensure that QC data (blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analysis, laboratory controls and sample data) fall within the protocol required limits and specifications; that all data have been developed using established and agreed upon analytical procedures; evaluation of raw data to confirm results; to ensure the correct data qualifiers have been used; and, to evaluate the NYSDEC Matrix Spike Blank Data.

This (DUSR) documents the review of analytical data associated with the June 2007 sampling event at the Fort Covington project site.

Samples were collected by Kleinfelder personnel in from June 19, 2007 to June 25, 2007 and subsequently submitted to Lancaster Laboratories "Lancaster" of Lancaster, Pennsylvania for analysis of volatile organic compounds (VOCs) via EPA SW-846 method 8260B, semi-volatile organic compounds (SVOCs) via EPA SW-846 method 8270C, select heavy metals via EPA SW-846 series 6000, polychlorinated bi-phenols (PCBs) and pesticides via EPA SW-846 method 8082B. Data packages received from the laboratory were in conformance with the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B.

Analytical data, and other information contained within the data packages associated with this report have undergone review to evaluate the levels of accuracy, precision, and completeness of the data. Unless otherwise noted, sample storage, preparation, analysis, reporting, and quality control (QC) measures were performed in accordance with published EPA analytical protocol.

2. Personnel Qualifications

The data packages provided by Lancaster laboratories were reviewed by Mr. John A. Martin, CHMM. Mr. Martin is a chemist and environmental health scientist based out of Kleinfelder's Massachusetts operation. He has 13 years of industry experience. He has multi-faceted experience working within the analytical laboratory environment, and has strong working knowledge of analytical instrumentation, laboratory procedure and analytical methods. Mr. Martin regularly conducts laboratory data report review and validation activities under EPA laboratory protocol in support of assessment, remediation and due diligence transactions in the mid-Atlantic and Northeast regions.

Mr. Martin holds a B.S. degree in Chemistry, a B.S. degree in Biology, and a Master of Public Health Degree (MPH).

3. Laboratory Data Verification

One hundred percent (100 percent) of data generated for this project were evaluated through a systematic procedure in which method performance is compared to defined criteria. The following sections provide the overview of the data verification methodology and the results of the laboratory QA/QC program review.

3.1. Holding Times

All samples received by Lancaster were accompanied by proper chain-of-custody documentation. Collection dates for the samples submitted to the laboratory are included in the chain-of-custody documentation. Sample collection, preparation, and analyses dates are indicated on the laboratory reports. All samples were properly preserved. Holding times were met for the analyses performed.

3.2. Surrogate Recoveries

A surrogate is a compound spiked into the sample that is uncommon in the environment but that behaves similarly to the target analyte, chromatographically. Surrogate recoveries are used to monitor method performance for the target analytes and were included with all samples analyzed for VOCs. Greater than 90% of the surrogate recoveries were within the method prescribed control limits.

3.3. Initial and Continuing Calibration

3.3.1.Initial Calibration

The % D for 4,4'-DDD was reported outside accepted method limits, >20% as defined by NELAC in initial calibration verification standards. All other initial calibration verification standards were within accepted method limits.

3.3.2.Continuing Calibration

Continuing calibration verification (CCV) returned %Ds and average %D's for multiple pesticide compounds outside of method specification accepted limits. The ending continuing calibration was outside QC limits for multiple compounds. The associated samples were previously injected with similar results, suggesting possible matrix interference.

3.4. Matrix Spikes and Matrix Spike Duplicates

A matrix spike (MS) is a primary sample spiked with target compounds. MS/Matrix Spike Duplicate (MS/MSD) analyses provide spike recovery percentages and RPDs between analyses of the same spiked sample, which provide a measure of analytical precision. Greater than 90% of the matrix spike recovery data reported by Lancaster comply with method protocol. All RPD values were within method prescribed acceptance criteria (0–30%). Results from the MS and MSD are presented in Tables 4-1 through 4-5 below.

Table 3-1 Heavy Metal Matrix Spike and Matrix Spike Duplicate data.

Metal	Matrix Spike Result	RL	Units	Dilution	MSD	RPD	Acceptable
Mercury	0.253	0.0134	mg/kg	1	0.259	2.3	Yes
Aluminum	45900	4.41	mg/kg	1	53700	15.7	Yes
Calcium	6110	8.07	mg/kg	1	5900	3.5	Yes
Iron	47400	31	mg/kg	5	56000	16.6	Yes
Magnesium	14000	3.34	mg/kg	1	15100	7.6	Yes
Potassium	11200	4.36	mg/kg	1	12800	13.3	Yes
Sodium	908	45.8	mg/kg	1	995	9.1	Yes
Trallium	20.8	1.25	mg/kg	1	20.2	2.9	Yes
Arsenic	18.8	1.25	mg/kg	1	18.2	3.2	Yes
Selenium	14.6	1.29	mg/kg	1	14.5	0.7	Yes
Antimony	18.1	1.19	mg/kg	1	18	0.6	Yes
Barium	551	0.0303	mg/kg	1	573	3.9	Yes
Beryllium	7.98	0.0895	mg/kg	1	8.02	0.5	Yes
Cadmium	7.44	0.0855	mg/kg	1	7.3	1.9	Yes
Chromium	92.3	0.767	mg/kg	1	99.9	7.9	Yes
Cobalt	84.8	0.171	mg/kg	1	80.8	4.8	Yes
Copper	63	0.263	mg/kg	1	70	10.5	Yes

Table 3-1 Heavy Metal Matrix Spike and Matrix Spike Duplicate data.

Metal	Matrix Spike Result	RL	Units	Dilution	MSD	RPD	Acceptable
Lead	44.3	0.645	mg/kg	1	29.9	38.8	No
Manganese	677	0.0737	mg/kg	1	571	17.0	Yes
Nickel	105	0.797	mg/kg	1	110	4.7	Yes
Silver	7.07	0.224	mg/kg	1	6.96	1.6	Yes
Vanadium	154	0.211	mg/kg	1	156	1.3	Yes
Zinc	197	0.862	mg/kg	1	184	6.8	Yes

Table 3-2 PCB Matrix Spike and Matrix Spike Duplicate data.

Compound	Matrix Spike Result	RL	Units	Dilution	MSD	RPD	Acceptable
PCB-1016	176	4.35	ug/kg	1	175	0.6	Yes
PCB-1260	203	8.29	ug/kg	1	200	1.5	Yes

Table 3-3 Pesticide Matrix Spike and Matrix Spike Duplicate data.

Compound	Matrix Spike Result	RL	Units	Dilution	MSD	RPD	Acceptable
Lindane	3.8	0.22	ug/kg	1	3.7	2.7	Yes
Heptachlor	3.6	0.22	ug/kg	1	3.6	0.0	Yes
Aldrin	3.6	0.25	ug/kg	1	3.5	2.8	Yes
p,p-DDT	8.3	0.43	ug/kg	1	8.1	2.4	Yes
Dieldrin	8	0.43	ug/kg	1	7.8	2.5	Yes
Endrin	7.8	0.43	ug/kg	1	7.5	3.9	Yes
Methoxychlor	43	2.2	ug/kg	1	41	4.8	Yes
Alpha BHC	3.8	0.43	ug/kg	1	3.7	2.7	Yes
Beta BHC	4	0.8	ug/kg	1	4.1	2.5	Yes
Delta BHC	4.3	0.22	ug/kg	1	4.3	0.0	Yes
Heptachlor Epoxide	4	0.22	ug/kg	1	3.7	7.8	Yes
p,p-DDE	9.3	0.43	ug/kg	1	9.2	1.1	Yes
p,p-DDD	8.6	0.43	ug/kg	1	8.5	1.2	Yes
Toxaphene	7	14	ug/kg	1	7	0.0	Yes
Endosulfan I	3.8	0.29	ug/kg	1	3.7	2.7	Yes
Endosulfan II	8.1	0.43	ug/kg	1	7.8	3.8	Yes
Endosulfan Sulfate	7.9	0.43	ug/kg	1	7.7	2.6	Yes
Endrin Aldehyde	7.4	0.43	ug/kg	1	7.1	4.1	Yes
Endrin Ketone	8.1	0.43	ug/kg	1	8.1	0.0	Yes
Alpha Chlordane	3.8	0.22	ug/kg	1	4	5.1	Yes
Gamma Chlordane	4	1.3	ug/kg	1	3.7	7.8	Yes

Table 3-4 SVOC Matrix Spike and Matrix Spike Duplicate data.

Compound	Matrix Spike Result	RL	Units	Dilution	MSD	RPD	Acceptable
Phenol	1900	44	ug/kg	1	1900	0.0	Yes

Table 3-4 SVOC Matrix Spike and Matrix Spike Duplicate data.

Compound	Matrix Spike Result	RL	Units	Dilution	MSD	RPD	Acceptable
1-Chlorophenol	2000	44	ug/kg	1	1900	5.1	Yes
1,4-dichlorobenzene	1700	44	ug/kg	1	1600	6.1	Yes
N-Nitroso-di-n-propylamine	1900	44	ug/kg	1	1800	5.4	Yes
1,2,4-Trichlorobenzene	1800	44	ug/kg	1	1700	5.7	Yes
4-Chloro-3-methylphenol	2000	88	ug/kg	1	2100	4.9	Yes
Acenaphthene	2000	44	ug/kg	1	200	163.6	No
4-Nitrophenol	1300	220	ug/kg	1	1400	7.4	Yes
2,4-dinitrotoluene	2000	88	ug/kg	1	2000	0.0	Yes
Pentachlorophenol	1200	220	ug/kg	1	1200	0.0	Yes
Pyrene	2200	44	ug/kg	1	2200	0.0	Yes
1-Nitrophenol	2100	44	ug/kg	1	2000	4.9	Yes
2,4-Dimethylphenol	1900	88	ug/kg	1	1900	0.0	Yes
2,4-Dichlorophenol	1900	44	ug/kg	1	1900	0.0	Yes
2,4,6-Trichlorophenol	2000	44	ug/kg	1	2000	0.0	Yes
2,4-Dinitrophenol	1400	880	ug/kg	1	1400	0.0	Yes
4,6-Dinitro-2-methylphenol	1700	220	ug/kg	1	1800	5.7	Yes
bis(2-chloroethy)ether	1800	44	ug/kg	1	1700	5.7	Yes
1,3-Dichlorobenzene	1600	44	ug/kg	1	1500	6.5	Yes
1,2-Dichlorobenzene	1600	44	ug/kg	1	1600	0.0	Yes
Hexchloroethane	1500	44	ug/kg	1	1500	0.0	Yes
Nitrobenzene	1900	44	ug/kg	1	1800	5.4	Yes
Isophorone	1700	44	ug/kg	1	1700	0.0	Yes
bis-(2-Chloroethoxy)methane	2000	44	ug/kg	1	1900	5.1	Yes
Naphthalene	1800	44	ug/kg	1	1800	0.0	Yes
Hexachlorobutadiene	1700	88	ug/kg	1	1700	0.0	Yes
Hexachlorocyclopentadiene	2900	220	ug/kg	1	2600	10.9	Yes
2-Chloronaphthlene	1500	44	ug/kg	1	1400	6.9	Yes
Acenaphthylene	2100	44	ug/kg	1	2000	4.9	Yes
Dimethylphthalate	2000	88	ug/kg	1	2000	0.0	Yes
2,6-Dinitrotoluene	2100	44	ug/kg	1	2100	0.0	Yes
Fluorene	2100	44	ug/kg	1	2000	4.9	Yes
4-Chlorophenyl-phenylether	2000	44	ug/kg	1	2000	0.0	Yes
Diethylphthalate	2000	88	ug/kg	1	2000	0.0	Yes
N-Nitrosodiphenylamine	2100	44	ug/kg	1	2100	0.0	Yes
4-Bromophenyl-phenylether	2200	44	ug/kg	1	2100	4.7	Yes
Hexachlorobenzene	2100	44	ug/kg	1	2000	4.9	Yes
Phenanthrene	2100	44	ug/kg	1	2100	0.0	Yes
Anthracene	2100	44	ug/kg	1	2100	0.0	Yes
Di-n-butylphthalate	2100	88	ug/kg	1	2100	0.0	Yes
Fluoranthrene	1900	44	ug/kg	1	1900	0.0	Yes
Butylbenzylphthalate	2200	88	ug/kg	1	2100	4.7	Yes
Benzo(a)anthracene	2200	44	ug/kg	1	2100	4.7	Yes
Chrysene	2100	44	ug/kg	1	2100	0.0	Yes
3,3'-Dichlorobenzidine	1800	130	ug/kg	1	1600	11.8	Yes
bis(2-ehtylhexyl)phthalate	2300	88	ug/kg	1	2200	4.4	Yes

Table 3-4 SVOC Matrix Spike and Matrix Spike Duplicate data.

Compound	Matrix Spike Result	RL	Units	Dilution	MSD	RPD	Acceptable
Di-n-octylphthalate	2100	88	ug/kg	1	2100	0.0	Yes
Benzo(b)fluoranthene	2100	44	ug/kg	1	2000	4.9	Yes
Benzo(k)fluoranthene	1900	44	ug/kg	1	2000	5.1	Yes
Benzo(a)pyrene	2000	44	ug/kg	1	2000	0.0	Yes
Indeno(1,2,3-cd)pyrene	2100	44	ug/kg	1	2100	0.0	Yes
Dibenz(a,h)anthracene	2300	44	ug/kg	1	2300	0.0	Yes
Benzo(g,h,i)perylene	2200	44	ug/kg	1	2200	0.0	Yes
2-Methylphenol	2000	88	ug/kg	1	1900	5.1	Yes
2,2'-oxybis(1-Chloropropane)	1500	44	ug/kg	1	1400	6.9	Yes
4-Methylphenol	1800	88	ug/kg	1	1800	0.0	Yes
4-Chloroaniline	1300	88	ug/kg	1	1300	0.0	Yes
2-Methylnaphthalene	2000	44	ug/kg	1	1900	5.1	Yes
2,4,5-Trichlorophenol	1700	88	ug/kg	1	1800	5.7	Yes
2-Nitroaniline	2100	44	ug/kg	1	2100	0.0	Yes
2-Nitroaniline	1900	88	ug/kg	1	1900	0.0	Yes
Dibenzofuran	2000	44	ug/kg	1	2000	0.0	Yes
4-Nitroaniline	1700	88	ug/kg	1	1800	5.7	Yes
Carbazole	2000	44	ug/kg	1	2000	0.0	Yes

Table 3-5 Volatile Organic Compound Matrix Spike and Matrix Spike Duplicate data.

Compound	Matrix Spike Result	RL	Units	Dilution	MSD	RPD	Acceptable
Chloromethane	21	3	ug/kg	1.01	19	10.0	Yes
Vinyl Chloride	23	1	ug/kg	1.01	19	19.0	Yes
Bromomethane	26	3	ug/kg	1.01	23	12.2	Yes
Choroethane	25	3	ug/kg	1.01	22	12.8	Yes
1,1-Dichlroethene	27	1	ug/kg	1.01	28	3.6	Yes
Methylene Chloride	27	3	ug/kg	1.01	27	0.0	Yes
trans-1,2-Dichloroethene	26	1	ug/kg	1.01	26	0.0	Yes
1,1-Dichloroethane	26	1	ug/kg	1.01	26	0.0	Yes
cis-1,2-Dichloroethene	24	1	ug/kg	1.01	26	8.0	Yes
Chloroform	27	1	ug/kg	1.01	25	7.7	Yes
1,1,1-Trichlroethane	28	1	ug/kg	1.01	27	3.6	Yes
Carbon Tetrachloride	28	0.7	ug/kg	1.01	28	0.0	Yes
Benzene	25	1	ug/kg	1.01	25	0.0	Yes
1,2-Dichlroethane	26	1	ug/kg	1.01	25	3.9	Yes
Trichloroethene	25	1	ug/kg	1.01	27	7.7	Yes
1,2-Dichloropropane	23	1	ug/kg	1.01	25	8.3	Yes
Bromodichloromethane	26	1	ug/kg	1.01	24	8.0	Yes
Toluene	27	1	ug/kg	1.01	36	28.6	Yes
1,1,2-Trichloroethane	23	1	ug/kg	1.01	24	4.3	Yes
Tetrachloroethene	26	1	ug/kg	1.01	25	3.9	Yes

Table 3-5 Volatile Organic Compound Matrix Spike and Matrix Spike Duplicate data.

Compound	Matrix Spike Result	RL	Units	Dilution	MSD	RPD	Acceptable
Dibromochloromethane	25	1	ug/kg	1.01	25	0.0	Yes
Chlorobenzene	24	1	ug/kg	1.01	24	0.0	Yes
Ethylbenzene	26	1	ug/kg	1.01	26	0.0	Yes
Styrene	24	1	ug/kg	1.01	23	4.3	Yes
Bromoform	22	1	ug/kg	1.01	22	0.0	Yes
1,1,2,2-Tetrachloroethane	22	1	ug/kg	1.01	22	0.0	Yes
Acetone	310	9	ug/kg	1.01	260	17.5	Yes
Carbon Disulfide	26	1	ug/kg	1.01	25	3.9	Yes
2-Butanone	200	5	ug/kg	1.01	200	0.0	Yes
trans-1,3-dichloropropene	23	1	ug/kg	1.01	23	0.0	Yes
cis-1,3-dichloropropene	23	1	ug/kg	1.01	23	0.0	Yes
4-Methyl-2-pentanone	100	4	ug/kg	1.01	110	9.5	Yes
2-Hexanone	120	4	ug/kg	1.01	120	0.0	Yes
Xylene (total)	76	1	ug/kg	1.01	78	2.60	Yes

3.5. Laboratory Control Samples

LCS/LCSDs are laboratory-prepared blank matrix samples spiked with target compounds, and used to document laboratory performance, accuracy and precision.

3.5.1. Volatile Organic Compounds

Greater than 90% of the LCS recoveries were within the control limits indicating that the methods were in control. All resulting LCS/LCSD RPD values were within accepted control limits (0-30%).

3.5.2. Semi volatile Organic Compounds

One hundred percent (100%) of all semi volatile organic compound LCS/LCSD recoveries were within method prescribed control limits. Resulting RPD values were all within accepted control limits.

3.5.3. Pesticides

Greater than 90% of the LCS/LCSD recoveries were within the control limits indicating that the methods were in control. LCS recovery (water) of 4,4'-DDD was reported outside of the

accepted method prescribed QC control limits (129% v. 125%). The RPD value for endrin (water) was also outside of the accepted method prescribed QC control limits (21% v. 20%).

3.5.4.Polychlorinated Biphenyl (PCBs)

One hundred percent (100%) of all polychlorinated biphenyl compound LCS/LCSD recoveries were within method prescribed control limits. Resulting RPD values were all within accepted control limits.

3.5.5.Metals

RPD values for calcium, cobalt, lead, manganese and zinc were outside accepted limits, indicating poor duplicate precision.

3.6. Method Blanks

A method blank is a laboratory-prepared blank matrix sample included in all preparation batches. No analytes were detected in the method blanks above the laboratory reporting limits (RL), indicating that the laboratory procedures were free from contamination.

4. Data Quality Assessment

Systematic checks were performed to ensure that quality data were being produced, that the test results and field procedures remained reproducible, and that the analytical methodology was actually measuring the quantity of analytes in each sample. The results of data quality indicators (PARCCS parameters) are discussed below.

Precision

Precision is a measure of the reproducibility of analyses under a given set of conditions and was assessed by replicate measurements of field and laboratory duplicate samples. The low percentage of precision exceedances indicates that the analytical methods were consistently precise.

Accuracy

Accuracy is a determination of how close the measurement is to the true value and was assessed using LCS, MS/MSD, and surrogate spiked samples. In general, the calibrations and the surrogate, MS, and LCS spike recoveries were acceptable, indicating that the methods were consistently accurate.

Representativeness

Representativeness refers to the degree to which sample data accurately and precisely describe the characteristics of a population of samples, parameter variations at a sampling point, or environmental conditions. Representativeness is a qualitative parameter, which is primarily concerned with the proper design of the sampling program or of the subsampling of a given sample. Representativeness was maintained by the use of duplicate field and laboratory samples, properly preserved samples and samples analyzed within acceptable holding times. Determinant of representativeness also includes possible compromises to sample integrity (such as cross-contamination) that can occur during sample collection, transport, and analysis. Absence of samples affected by laboratory and field blank contamination indicates that laboratory and field equipment decontamination procedures were effective.

Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared with the amount that was expected to be obtained under normal conditions.

Percent completeness for each set of samples for each individual method can be calculated as follows:

$$Completeness = \frac{valid\ data\ obtained}{total\ data\ analyzed} \ x\,100\%$$

Where valid data is defined as those data points that are not qualified as rejected, none of the reported data was qualified as rejected, thus exceeding the requirement for completeness of 90 percent. In addition, the completeness requirement for holding times of 100 percent was met.

Comparability

Comparability is a qualitative parameter expressing the confidence in which one data set can be compared with another. Sample data will be comparable for similar samples collected under like conditions. Since

the workplan was followed, the data generated during this sampling event was comparable, the correct analytical methods were used by approved laboratories, and the prescribed QC samples were collected and analyzed.

Sensitivity

Sensitivity is determined by the MDL, which is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. The laboratory established MDLs for each method, matrix, and analyte for each instrument the laboratory used for the project. All the RLs met method reporting limits, indicating sensitivity requirements were met except in those cases sample extracts were diluted due to high analyte concentration or matrix interference.

Based on our review of the field and laboratory QA/QC procedures, Kleinfelder concludes the following:

- The majority of the data meets method protocol accepted QA/QC requirements.
- Lancaster analyzed 100 percent of the requested analyses submitted by Kleinfelder.
- All of the samples were analyzed within holding time, resulting in the holding time completeness of 100 percent.
- None of the data were qualified as rejected. Therefore, analytical completeness is 100 percent for the data generated.
- The levels of precision and accuracy measured on the basis of the LCS, MS/MSD, and surrogate recoveries are acceptable.
- The analytical data are deemed acceptable and usable for decision-making purposes.

References

USEPA 1999. National Functional Guidelines for Organic Data Review. U.S. Environmental Protection Agency, Contract Laboratory Program, EPA-540/R-99-008, October 1999.

NYSDEC 2002. Draft DER-10 Technical Guidance for Site Investigation and Remediation. New York State Department of Environmental Conservation, December 2002.

DATA USABILITY SUMMARY REPORT
FORT. COVINGTON, NEW YORK

KLEINFELDER PROJECT ID: 69968

SAMPLE DELIVERY GROUP (SDG) FVC02

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Quality Assurance/Quality Control

Data Usability Summary Report
Fort Covington, New York

Kleinfelder Project ID: 69968

The following personnel have reviewed this report for accuracy, content, and quality of presentation:

Kleinfelder East, Inc.

Mr. John A. Martin, CHMM
Industrial Hygienist

Signature: _____ Date: 9-19-2007

Mr. John Imhoff
Senior Project Manager

Signature: _____ Date: 9-20-2007

1. Summary

This Data Usability Summary Report (DUSR) has been prepared in accordance with the New York State Department of Environmental Conservation (NYSDEC) guidance for the development of DUSR reports and is intended to verify that the data packages associated with this DUSR are complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables; to ensure that all method holding times have been met; to ensure that QC data (blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analysis, laboratory controls and sample data) fall within the protocol required limits and specifications; that all data have been developed using established and agreed upon analytical procedures; evaluation of raw data to confirm results; to ensure the correct data qualifiers have been used; and, to evaluate the NYSDEC Matrix Spike Blank Data.

This (DUSR) documents the review of analytical data associated with the June 2007 sampling event at the Fort Covington project site.

Three groundwater samples were collected by Kleinfelder personnel on June 25, 2007 and subsequently submitted to Lancaster Laboratories "Lancaster" of Lancaster, Pennsylvania for analysis of volatile organic compounds (VOCs) via EPA SW-846 method 8260B, semi-volatile organic compounds (SCOCs) via EPA SW-846 method 8270C, select heavy metals via EPA SW-846 series 6000, polychlorinated bi-phenols (PCBs) and pesticides via EPA SW-846 method 8082B. Data packages received from the laboratory were in conformance with the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B.

Analytical data, and other information contained within the data packages associated with this report, have undergone review to evaluate the levels of accuracy, precision, and completeness of the data. Unless otherwise noted, sample storage, preparation, analysis, reporting, and quality control (QC) measures were performed in accordance with published EPA analytical protocol.

2. Personnel Qualifications

The data packages provided by Lancaster laboratories were reviewed by Mr. John Martin, CHMM. Mr. Martin is a chemist and environmental health scientist based out of Kleinfelder's Massachusetts operation. He has 13 years of industry experience. He has multi-faceted experience working within the analytical laboratory environment, and has strong working knowledge of analytical instrumentation, laboratory procedure and analytical methods. Mr. Martin regularly conducts laboratory data report review and validation activities under EPA laboratory protocol in support of assessment, remediation and due diligence transactions in the mid-Atlantic and Northeast regions.

Mr. Martin holds a B.S. degree in Chemistry, a B.S. degree in Biology, and a Master of Public Health Degree (MPH).

3. Laboratory Data Verification

One hundred percent (100 percent) of data generated for this project were evaluated through a systematic procedure in which method performance is compared to defined criteria. The following sections provide the overview of the data verification methodology and the results of the laboratory QA/QC program review.

3.1. Holding Times

All samples received by Lancaster were accompanied by proper chain-of-custody documentation. Collection dates for the samples submitted to the laboratory are included in the chain-of-custody documentation. Sample collection, preparation, and analyses dates are indicated on the laboratory reports. All samples were properly preserved. Holding times were met for the analyses performed.

3.2. Surrogate Recoveries

A surrogate is a compound spiked into the sample that is uncommon in the environment but that behaves similarly to the target analyte, chromatographically. Surrogate recoveries are used to monitor method performance for the target analytes and were included with all samples analyzed for VOCs. Greater than 90% of the surrogate recoveries were within the method prescribed control limits.

3.3. Initial and Continuing Calibration

3.3.1.Initial Calibration

The % D for 4,4'-DDD was reported outside accepted method limits, >20% as defined by NELAC in initial calibration verification standards. All other initial calibration verification standards were within accepted method limits.

3.3.2.Continuing Calibration

All continuing calibration verification standards were within method specification and acceptance criteria.

3.4. Matrix Spikes and Matrix Spike Duplicates

A matrix spike (MS) is a primary sample spiked with target compounds. MS/Matrix Spike Duplicate (MS/MSD) analyses provide spike recovery percentages and RPDs between analyses of the same spiked sample, which provide a measure of analytical precision.

3.4.1.Volatile Organic Compounds

All of the matrix spike recovery data reported by Lancaster comply with method protocol. RPD values were not reported from MSD samples, as insufficient sample volume was provided to perform the MSD analysis for this SDG.

3.4.2.Semi volatile Organic Compounds

MS/MSD analyses were not performed due to insufficient sample volume.

3.4.3.Pesticides

One hundred percent 100% of the MS and MSD recoveries were within the control limits indicating that the methods were in control. All resulting MS/MSD RPD values were within accepted control limits (0-30%).

3.4.4.Polychlorinated Biphenyls

One hundred percent (100%) of all polychlorinated biphenyl compound MS/MSD recoveries were within method prescribed control limits. Resulting RPD values were all within accepted control limits.

3.4.5.Metals

MS/MSD revocery percentages for calcium, magnesium, potassium and sodium were outside method accepted limits. The data are reported unflagged, in accordance with USEPA guidance.

3.5. Laboratory Control Samples

A LCS/LCSD are laboratory-prepared blank matrix samples spiked with target compounds, and used to document laboratory performance, accuracy and precision.

3.5.1.Volatile Organic Compounds

One hundred percent 100% of the LCS recoveries were within the control limits indicating that the methods were in control. All resulting LCS/LCSD RPD values were within accepted control limits (0-30%).

3.5.2.Semi volatile Organic Compounds

LCS recovery of 2,4-dinitrotoluene was outside method prescribed QA/QC limits (109 v. 108). The LCSD recovery was within limits, 106%, and the resulting RPD was within method tolerances.

3.5.3.Pesticides

100% of the LCS/LCSD recoveries were within the control limits indicating that the methods were in control. The resulting RPD values are all within method accepted control limits.

3.5.4.Polychlorinated Biphenyl (PCBs)

One hundred percent (100%) of all polychlorinated biphenyl compound LCS/LCSD recoveries were within method prescribed control limits. Resulting RPD values were all within accepted control limits.

3.5.5.Metals

LCS results were not observed within the data package. In accordance with USEPA guidance, Initial Calibration Verification solutions may be used in lieu of LCS sample preparations. All recovery results were within prescribed method acceptance limits (80-120%)

3.6. Method Blanks

A method blank is a laboratory-prepared blank matrix sample included in all preparation batches. No analytes were detected in the method blanks above the laboratory reporting limits (RL), indicating that the laboratory procedures were free from contamination.

4. Data Quality Assessment

Systematic checks were performed to ensure that quality data were being produced, that the test results and field procedures remained reproducible, and that the analytical methodology was actually measuring the quantity of analytes in each sample. The results of data quality indicators (PARCCS parameters) are discussed below.

Precision

Precision is a measure of the reproducibility of analyses under a given set of conditions and was assessed by replicate measurements of field and laboratory duplicate samples. The low percentage of precision exceedances indicates that the analytical methods were consistently precise.

Accuracy

Accuracy is a determination of how close the measurement is to the true value and was assessed using LCS, MS/MSD, and surrogate spiked samples. In general, the calibrations and the surrogate, MS, and LCS spike recoveries were acceptable, indicating that the methods were consistently accurate.

Representativeness

Representativeness refers to the degree to which sample data accurately and precisely describe the characteristics of a population of samples, parameter variations at a sampling point, or environmental conditions. Representativeness is a qualitative parameter, which is primarily concerned with the proper design of the sampling program or of the subsampling of a given sample. Representativeness was maintained by the use of duplicate field and laboratory samples, properly preserved samples and samples analyzed within acceptable holding times. Determinant of representativeness also includes possible compromises to sample integrity (such as cross-contamination) that can occur during sample collection,

transport, and analysis. Absence of samples affected by laboratory and field blank contamination indicates that laboratory and field equipment decontamination procedures were effective.

Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared with the amount that was expected to be obtained under normal conditions.

Percent completeness for each set of samples for each individual method can be calculated as follows:

$$Completeness = \frac{valid\ data\ obtained}{total\ data\ analyzed} \times 100\%$$

Where valid data is defined as those data points that are not qualified as rejected, none of the reported data was qualified as rejected, thus exceeding the requirement for completeness of 90 percent. In addition, the completeness requirement for holding times of 100 percent was met.

Comparability

Comparability is a qualitative parameter expressing the confidence in which one data set can be compared with another. Sample data will be comparable for similar samples collected under like conditions. Since the workplan was followed, the data generated during this sampling event was comparable, the correct analytical methods were used by approved laboratories, and the prescribed QC samples were collected and analyzed.

Sensitivity

Sensitivity is determined by the MDL, which is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. The laboratory established MDLs for each method, matrix, and analyte for each instrument the laboratory used for the project. All the RLs met method reporting limits, indicating sensitivity requirements were met except in those cases sample extracts were diluted due to high analyte concentration or matrix interference.

Based on our review of the field and laboratory QA/QC procedures, Kleinfelder concludes the following:

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References

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USEPA 2004. National Functional Guidelines for Inorganic Data Review. U.S. Environmental Protection Agency, Contract Laboratory Program, EPA-540-R-04-004, October 2004.

NYSDEC 2002. Draft DER-10 Technical Guidance for Site Investigation and Remediation. New York State Department of Environmental Conservation, December 2002.

DATA USABILITY SUMMARY REPORT
FORT. COVINGTON, NEW YORK

KLEINFELDER PROJECT ID: 69968

SAMPLE DELIVERY GROUP (SDG) FVC03

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Quality Assurance/Quality Control

Data Usability Summary Report
Fort Covington, New York

Kleinfelder Project ID: 69968

The following personnel have reviewed this report for accuracy, content, and quality of presentation:

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Mr. John A. Martin, CHMM
Industrial Hygienist

Signature: _____ Date: 9-19-2007

Mr. John Imhoff
Senior Project Manager

Signature: _____ Date: 9-20-2007

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This (DUSR) documents the review of analytical data associated with the June 2007 sampling event at the Fort Covington project site.

Three gas samples were collected by Kleinfelder personnel on June 26, 2007 and subsequently submitted to Lancaster Laboratories "Lancaster" of Lancaster, Pennsylvania for analysis of volatile organic compounds (VOCs) via EPA SW-846 method 8260B, semi-volatile organic compounds (SCOCs) via EPA SW-846 method 8270C, select heavy metals via EPA SW-846 series 6000, polychlorinated bi-phenols (PCBs) and pesticides via EPA SW-846 method 8082B. Data packages received from the laboratory were in conformance with the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B.

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3.2. Surrogate Recoveries

A surrogate is a compound spiked into the sample that is uncommon in the environment but that behaves similarly to the target analyte, chromatographically. Surrogate recoveries are used to monitor method performance for the target analytes and were included with all samples analyzed for VOCs. Greater than 90% of the surrogate recoveries were within the method prescribed control limits.

3.3. Initial and Continuing Calibration

3.3.1.Initial Calibration

All initial calibration verification standards were within accepted method limits.

3.3.2.Continuing Calibration

All continuing calibration verification standards were within method specification and acceptance criteria.

3.4. Laboratory Control Samples

A LCS/LCSD are laboratory-prepared blank matrix samples spiked with target compounds, and used to document laboratory performance, accuracy and precision.

3.4.1.Volatile Organic Compounds

One hundred percent 100% of the LCS recoveries were within the control limits indicating that the methods were in control. All resulting LCS/LCSD RPD values were within accepted control limits (0-30%).

3.5. Method Blanks

A method blank is a laboratory-prepared blank matrix sample included in all preparation batches. No analytes were detected in the method blanks above the laboratory reporting limits (RL), indicating that the laboratory procedures were free from contamination.

4. Data Quality Assessment

Systematic checks were performed to ensure that quality data were being produced, that the test results and field procedures remained reproducible, and that the analytical methodology was actually measuring the quantity of analytes in each sample. The results of data quality indicators (PARCCS parameters) are discussed below.

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Comparability

Comparability is a qualitative parameter expressing the confidence in which one data set can be compared with another. Sample data will be comparable for similar samples collected under like conditions. Since the workplan was followed, the data generated during this sampling event was comparable, the correct analytical methods were used by approved laboratories, and the prescribed QC samples were collected and analyzed.

Sensitivity

Sensitivity is determined by the MDL, which is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. The laboratory established MDLs for each method, matrix, and analyte for each instrument the laboratory used for the project. All the RLs met method reporting limits, indicating sensitivity requirements were met except in those cases sample extracts were diluted due to high analyte concentration or matrix interference.

Based on our review of the field and laboratory QA/QC procedures, Kleinfelder concludes the following:

- The majority of the data meets method protocol accepted QA/QC requirements.
- Lancaster analyzed 100 percent of the requested analyses submitted by Kleinfelder.
- All of the samples were analyzed within holding time, resulting in the holding time completeness of 100 percent.
- None of the data were qualified as rejected. Therefore, analytical completeness is 100 percent for the data generated.
- The levels of precision and accuracy measured on the basis of the LCS, MS/MSD, and surrogate recoveries are acceptable.
- The analytical data are deemed acceptable and usable for decision-making purposes.

References

USEPA 1999, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. Compendium Method TO-15, Determination of Volatile Chromatography/Mass Spectrometry (GC/MS). January 1999.

DATA USABILITY SUMMARY REPORT
FORT. COVINGTON, NEW YORK

KLEINFELDER PROJECT ID: 69968

SAMPLE DELIVERY GROUP (SDG) FVC04

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Quality Assurance/Quality Control

Data Usability Summary Report
Fort Covington, New York

Kleinfelder Project ID: 69968

The following personnel have reviewed this report for accuracy, content, and quality of presentation:

Kleinfelder East, Inc.

Mr. John A. Martin, CHMM
Industrial Hygienist

Signature: _____ Date: 9-19-2007

Mr. John Imhoff
Senior Project Manager

Signature: _____ Date: 9-20-07

1. Summary

This Data Usability Summary Report (DUSR) has been prepared in accordance with the New York State Department of Environmental Conservation (NYSDEC) guidance for the development of DUSR reports and is intended to verify that the data packages associated with this DUSR are complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables; to ensure that all method holding times have been met; to ensure that QC data (blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analysis, laboratory controls and sample data) fall within the protocol required limits and specifications; that all data have been developed using established and agreed upon analytical procedures; evaluation of raw data to confirm results; to ensure the correct data qualifiers have been used; and, to evaluate the NYSDEC Matrix Spike Blank Data.

This (DUSR) documents the review of analytical data associated with the June 2007 sampling event at the Fort Covington project site.

Three soil samples were collected by Kleinfelder personnel on June 29, 2007 and subsequently submitted to Lancaster Laboratories "Lancaster" of Lancaster, Pennsylvania for analysis of volatile organic compounds (VOCs) via EPA SW-846 method 8260B, semi-volatile organic compounds (SCOCs) via EPA SW-846 method 8270C, select heavy metals via EPA SW-846 series 6000, polychlorinated bi-phenols (PCBs) and pesticides via EPA SW-846 method 8082B. Data packages received from the laboratory were in conformance with the New York State Department of Environmental Conservation Analytical Service Protocol (NYSDEC ASP) Category B.

Analytical data, and other information contained within the data packages associated with this report, have undergone review to evaluate the levels of accuracy, precision, and completeness of the data. Unless otherwise noted, sample storage, preparation, analysis, reporting, and quality control (QC) measures were performed in accordance with published EPA analytical protocol.

2. Personnel Qualifications

The data packages provided by Lancaster laboratories were reviewed by Mr. John Martin, CHMM. Mr. Martin is a chemist and environmental health scientist based out of Kleinfelder's Massachusetts operation. He has 13 years of industry experience. He has multi-faceted experience working within the analytical laboratory environment, and has strong working knowledge of analytical instrumentation, laboratory procedure and analytical methods. Mr. Martin regularly conducts laboratory data report review and validation activities under EPA laboratory protocol in support of assessment, remediation and due diligence transactions in the mid-Atlantic and Northeast regions.

Mr. Martin holds a B.S. degree in Chemistry, a B.S. degree in Biology, and a Master of Public Health Degree (MPH).

3. Laboratory Data Verification

One hundred percent (100 percent) of data generated for this project were evaluated through a systematic procedure in which method performance is compared to defined criteria. The following sections provide the overview of the data verification methodology and the results of the laboratory QA/QC program review.

3.1. Holding Times

All samples received by Lancaster were accompanied by proper chain-of-custody documentation. Collection dates for the samples submitted to the laboratory are included in the chain-of-custody documentation. Sample collection, preparation, and analyses dates are indicated on the laboratory reports. All samples were properly preserved. Holding times were met for the analyses performed.

3.2. Surrogate Recoveries

A surrogate is a compound spiked into the sample that is uncommon in the environment but that behaves similarly to the target analyte, chromatographically. Surrogate recoveries are used to monitor method performance for the target analytes. Greater than 90% of the surrogate recoveries were within the method prescribed control limits.

3.3. Initial and Continuing Calibration

3.3.1.Initial Calibration

The % D for TCX was reported outside accepted method limits, >20% as defined by NELAC in initial calibration verification standards. All other initial calibration verification standards were within accepted method limits.

3.3.2.Continuing Calibration

Continuing calibration verification (CCV) returned %Ds and average %D's for 4,4'-DDT was outside of method specification accepted limits. The ending continuing calibration was outside QC limits for multiple compounds. The associated samples were previously injected with similar results, suggesting possible matrix interference..

3.4. Matrix Spikes and Matrix Spike Duplicates

A matrix spike (MS) is a primary sample spiked with target compounds. MS/Matrix Spike Duplicate (MS/MSD) analyses provide spike recovery percentages and RPDs between analyses of the same spiked sample, which provide a measure of analytical precision.

3.4.1.Volatile Organic Compounds

MS and MSD recovery were within method accepted control limits for all compounds. RPD's for multiple compounds were reported outside of method prescribed control limits.

3.4.2.Semi volatile Organic Compounds

MS and MSD recoveries were reported within method accepted control limits for all compounds except 2,4-Dinitrophenol. 2,4-Dintrophenol was adequately recovered in the LCS analysis. Subsequently calculated RPDs were within method accepted control limits for all compounds except 2,4-Dinitrophenol and 3,3'-Dichlorobenzidine.

3.4.3.Pesticides

One hundred percent 100% of the MS recoveries were within method accepted control limits. MSD recoveries for beta-BHC, 4,4'-DDT and Methoxyclor were outside method accepted control limits. All other MSD recoveries were within method prescribed control limits. All resulting MS/MSD RPD values were within accepted control limits (0-35%), except beta-BHC (66%)

3.4.4.Polychlorinated Biphenyls

One hundred percent (100%) of all polychlorinated biphenyl compound MS/MSD recoveries were within method prescribed control limits. Resulting RPD values were all within accepted control limits.

3.4.5.Metals

The MSD recovery percentage for copper was outside method accepted limits. The subsequently calculated RPD for copper was also outside of method prescribed acceptance limits. The data are reported unflagged, in accordance with USEPA guidance.

3.5. Laboratory Control Samples

A LCS/LCSD are laboratory-prepared blank matrix samples spiked with target compounds, and used to document laboratory performance, accuracy and precision.

3.5.1.Volatile Organic Compounds

One hundred percent 100% of the LCS recoveries were within the control limits indicating that the methods were in control.

3.5.2.Semi volatile Organic Compounds

LCS recoveries were reported within method accepted control limits for all compounds.

3.5.3.Pesticides

100% of the LCS recoveries were within the control limits indicating that the methods were in control.

3.5.4.Polychlorinated Biphenyl (PCBs)

One hundred percent (100%) of all polychlorinated biphenyl compound LCS were within method prescribed control limits.

3.5.5.Metals

LCS results were not observed within the data package. In accordance with USEPA guidance, Initial Calibration Verification solutions may be used in lieu of LCS sample preparations. All recovery results were within prescribed method acceptance limits (80-120%)

3.6. Method Blanks

A method blank is a laboratory-prepared blank matrix sample included in all preparation batches. No analytes were detected in the method blanks above the laboratory reporting limits (RL), indicating that the laboratory procedures were free from contamination.

4. Data Quality Assessment

Systematic checks were performed to ensure that quality data were being produced, that the test results and field procedures remained reproducible, and that the analytical methodology was actually measuring the quantity of analytes in each sample. The results of data quality indicators (PARCCS parameters) are discussed below.

Precision

Precision is a measure of the reproducibility of analyses under a given set of conditions and was assessed by replicate measurements of field and laboratory duplicate samples. The low percentage of precision exceedances indicates that the analytical methods were consistently precise.

Accuracy

Accuracy is a determination of how close the measurement is to the true value and was assessed using LCS, MS/MSD, and surrogate spiked samples. In general, the calibrations and the surrogate, MS, and LCS spike recoveries were acceptable, indicating that the methods were consistently accurate.

Representativeness

Representativeness refers to the degree to which sample data accurately and precisely describe the characteristics of a population of samples, parameter variations at a sampling point, or environmental conditions. Representativeness is a qualitative parameter, which is primarily concerned with the proper design of the sampling program or of the subsampling of a given sample. Representativeness was maintained by the use of duplicate field and laboratory samples, properly preserved samples and samples

analyzed within acceptable holding times. Determinant of representativeness also includes possible compromises to sample integrity (such as cross-contamination) that can occur during sample collection, transport, and analysis. Absence of samples affected by laboratory and field blank contamination indicates that laboratory and field equipment decontamination procedures were effective.

Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared with the amount that was expected to be obtained under normal conditions.

Percent completeness for each set of samples for each individual method can be calculated as follows:

$$Completeness = \frac{valid\ data\ obtained}{total\ data\ analyzed} \ x\ 100\%$$

Where valid data is defined as those data points that are not qualified as rejected, none of the reported data was qualified as rejected, thus exceeding the requirement for completeness of 90 percent. In addition, the completeness requirement for holding times of 100 percent was met.

Comparability

Comparability is a qualitative parameter expressing the confidence in which one data set can be compared with another. Sample data will be comparable for similar samples collected under like conditions. Since the workplan was followed, the data generated during this sampling event was comparable, the correct analytical methods were used by approved laboratories, and the prescribed QC samples were collected and analyzed.

Sensitivity

Sensitivity is determined by the MDL, which is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. The laboratory established MDLs for each method, matrix, and analyte for each instrument the laboratory used for the project. All the RLs met method reporting limits, indicating sensitivity requirements were met

except in those cases sample extracts were diluted due to high analyte concentration or matrix interference.

Based on our review of the field and laboratory QA/QC procedures, Kleinfelder concludes the following:

- The majority of the data meets method protocol accepted QA/QC requirements.
- Lancaster analyzed 100 percent of the requested analyses submitted by Kleinfelder.
- All of the samples were analyzed within holding time, resulting in the holding time completeness of 100 percent.
- Greater than 90% of the data are within acceptable limits.
- The levels of precision and accuracy measured on the basis of the LCS, MS/MSD, and surrogate recoveries are acceptable.
- The analytical data are deemed acceptable and usable for decision-making purposes.

References

USEPA 1999. National Functional Guidelines for Organic Data Review. U.S. Environmental Protection Agency, Contract Laboratory Program, EPA-540/R-99-008, October 1999.

USEPA 2004. National Functional Guidelines for Inorganic Data Review. U.S. Environmental Protection Agency, Contract Laboratory Program, EPA-540-R-04-004, October 2004.

NYSDEC 2002. Draft DER-10 Technical Guidance for Site Investigation and Remediation. New York State Department of Environmental Conservation, December 2002.

APPENDIX G

Atlantic Testing Laboratory Report – Salmon River Sediment Sampling & Analysis

ATLANTIC TESTING LABORATORIES, Limited

Canton
6431 U.S. Highway 11
P.O. Box 29
Canton, NY 13617
315/386-4578 (T)
315/386-1012 (F)

September 24, 2003

Town of Fort Covington
P.O. Box 489
Fort Covington, New York 12937

Attn: Ms. Patricia Manchester
Town Superintendant

Re: Salmon River Sediment Sampling and Analysis
Fort Covington Dam
Town of Fort Covington, New York
ATL Report No. CTCD2256-01-09-03

Ladies/Gentlemen:

In accordance with the terms of our proposal (ATL File No. CD998-202-8-03; dated August 14, 2003), authorized by Ms. Patricia Manchester, Town Superintendent, sediment sampling upstream and downstream of the Fort Covington Dam was initiated by representatives of Atlantic Testing Laboratories, Limited (ATL) on August 7, 2003.

Background Information

It is ATL's understanding that *New York Rivers United (NYRU)* is considering purchase of the existing concrete dam on the Salmon River, located north of New York State Route 37 in the Village of Fort Covington, New York. The purpose of the sediment sampling and analysis event was to determine the presence of certain contaminants in composite sediment samples collected upstream and downstream of the referenced dam.

Sediment Sampling and Laboratory Analysis

Sediment samples were collected by representatives of ATL on August 7, 2003. The sediment samples were collected utilizing 1.75"-diameter. lexan (polycarbonate) core samplers that were manually advanced from the water/sediment interface until refusal was encountered. Upon refusal, the top of the lexan was sealed with a disposable cap and retrieved. Prior to the bottom of the lexan sampler breaking the surface/water interface, a disposable cap was placed on the bottom of the sampler to seal the sample and minimize the possibility of cross-contamination. Any water collected in the sampler was decanted, and the sediment sample was subsequently composited and containerized for laboratory analysis. Three locations were selected on both the upstream and downstream face of the dam to obtain composite samples of sediment deposited in the respective areas. A Core Location Map, identifying approximate sediment sample locations, is attached as Appendix I.

The laboratory results for sediment samples were compared to the NYSDEC "Technical Guidance For Screening Contaminated Sediments (TGSCS), Tables 1 and 2", dated January 1999; and "Technical and Operational Guidance Series (TOGS) 5.9.1 (Draft)", dated January 2003. The two documents were utilized to better characterize the referenced site with respect to the concentrations of target compounds identified within the samples. TGSCS was developed as a guideline to perform a preliminary assessment of the risk posed by contamination to human health and the environment. TOGS 5.1.9 was developed to provide guidance on the statutory and regulatory requirements of dredging and riparian management of dredge materials throughout New York State.

Correspondence with NYSDEC representative, Ms. Karen Woodfield, suggested utilizing a total organic carbon (TOC) content of 2.0%/kg sediment in calculations to protect benthic aquatic life from chronic toxicity, as defined in the NYSDEC TGSCS. However, TGSCS did not contain guidelines to protect benthic aquatic life from chronic toxicity for certain identified contaminants including benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and chrysene. Therefore, these guidelines are derived using the sediment criteria to protect human health from the effects of bioaccumulation.

Table I below summarizes VOC, semi-VOC, and PCB analytical results for the sediment samples submitted to the laboratory.

Table I

Summary of Analytical Results: VOC, semi-VOC, and PCB

	Sediment Results (ppm)				
	B-1	B-3	B-5	NYSDEC TOGS 5.1.9	NYSDEC TGSCS
VOCs					
Benzene	0.138	ND	ND	0.59	0.56
Ethylbenzene	0.162	ND	0.124	--	0.48
MTBE	0.142	0.103	0.119	--	--
Toluene	0.159	ND	0.107	--	0.98
Xylene (m+p)	0.353	0.225	0.260	--	--
Xylene (o)	0.186	0.120	0.141	--	1.84
Total BTEX	0.998	0.345	0.632	<0.96	--
Semi-VOCs					
Anthracene	ND	ND	0.115	--	2.14
Benzo(a)anthracene	**0.521**	0.0731	**0.548**	--	0.24
Benzo(a)pyrene	**0.546**	ND	**0.437**	--	0.026
Benzo(b)flouranthene	**0.589**	ND	**0.291**	--	0.026
Benzo(k)flouranthene	**0.692**	ND	**0.563**	--	0.026
Chrysene	**0.560**	**0.0615**	**0.497**	--	0.026
Di-n-butyl phthalate	ND	ND	0.566	--	--
Flouranthene	1.40	0.147	1.13	--	20.4
Phenanthrene	0.668	ND	0.491	--	2.4
Pyene	1.62	0.170	1.09	--	19.22
Total PAH	**6.596**	0.4516	**5.162**	<4.0	--
PCB					
Total PCB	ND	ND	ND	<0.1	0.028

Notes:
All results are in ppm (mg/kg)
TOGS 5.1.9 = Technical and Operational Guidance Series
TGSCS = Technical Guidance for Screening Contaminated Sediments
ND = Not detected above respective method detection limit
PAH = Polycyclic Aromatic Hydrocarbons
BTX = Sum of Benzene, Toluene, and Xylenes (Defined in TOGS 5.1.9)
SVOC = Semi-Volatile Organic Compounds
VOC = Volatile Organic Compounds
Total PAH fom TOGS 5.1.9 Appendix E
Values in bold font exceed the respective guidance value

Low-level concentrations of compounds indicative of gasoline and and/or other petroleum-based products were identified in the sediment samples collected. Laboratory results indicate total polycyclic aromatic hydrocarbon (PAH) levels in borings B-1 and B-5 slightly above the guidance criteria defined in TOGS 5.1.9. Additionally, several semi-VOC are above the respective values to protect human health from the effects of bioaccumulation, as defined in the NYSDEC TGSCS. The criteria to protect human health from the effects of bioaccumulation are significantly less than the guidance criteria used to protect benthic aquatic life from chronic toxicity due to the tendency of these compounds to biomagnify in food chains. The remainder of contaminants listed in Table I may or may not pose appreciable risk to human beings. A specific sediment criterion derived from a human health-based water quality criterion must be compared to make that determination. PCB concentrations were below the respective method detection limit for all samples.

Sediment samples were also laboratory analyzed to determine metal concentrations. Table II below summarizes the results of the metal analyses on the sediment samples submitted to the laboratory.

Table II
Summary of Analytical Results: Metals

	Sediment Results (ppm)					
	B-1	B-3	B-5	NYSDEC TOGS 5.1.9	NYSDEC TGSCS	
					LEL	SEL
METALS						
Arsenic	1.30	--	0.749	14	6.0	33.0
Barium	53.8	7.56	40.8	--	--	--
Chromium	15.1	1.89	7.87	--	16.0	110.0
Copper	15.5	0.831	3.75	<33.0	31.0	110.0
Lead	23.3	2.44	5.21	<33.0	460.0	1100.0
Nickel	6.18	1.55	5.13	--	16.0	50.0
Zinc	71.2	13.9	29.6	--	120.0	270.0
Iron	0.975%	0.876%	0.784%	--	2.0%	4.0%

Notes:
All results are in ppm (mg/kg), except Iron
LEL = Lowest Effect Level
SEL = Severe Effect Level
Values in bold font exceed the respective guidance value
ND = Not detected above respective method detection limit

Sediment samples collected from all locations were below the respective metals guidance values listed in TOGS 5.1.9, and lowest effect levels (LELs) listed in the TGSCS. The complete laboratory reports and associated sample custody documentation are attached as Appendix II.

Conclusions and Recommendations

Based on the laboratory reports, it appears that relatively low-level petroleum contamination exists in the sediment of the Salmon River near the dam located in the Town of Fort Covington. It is recommended that the NYSDEC be contacted to review the laboratory results prior to the initiation of additional work that may disturb the sediment beneath the Salmon River. Additional water- and land-based investigations would be necessary to determine the potential source, and the vertical and horizontal limits of the impacted area. The contaminants identified in the sampling and analysis event may undergo microbial degradation and/or natural attenuation over a long period of time, if a continuing source does not contribute to the identified contamination.

Please contact our office should you have any questions, or if we may be of further assistance.

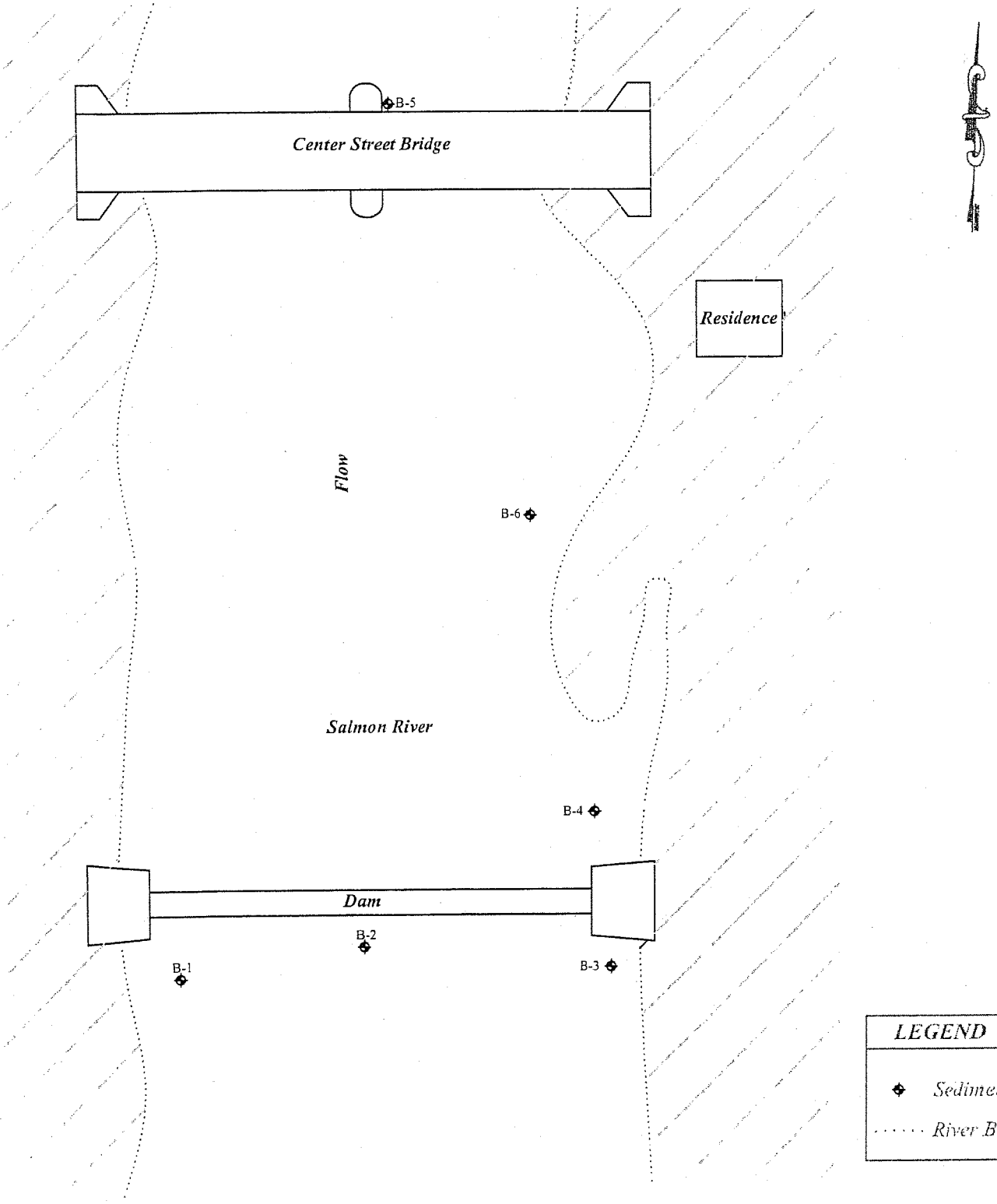
Respectfully submitted,
ATLANTIC TESTING LABORATORIES, Limited

Bradley J. Idzik
Project Engineer

BJI/JLR/MBR/bji

Attachments

I. Core Location Map



Core Location Plan

Drawn by:	Scale:	Project No.:	Date:
CJD	None	CTCD2256	Sept. 2003

Town of Fort Covington
Fort Covington, New York

Atlantic Testing Laboratories, Ltd.
Albany, NY · Canton, NY · Cicero, NY
Endicott, NY · Utica, NY · Burlington, VT

II. Laboratory Results and Associated Sample Custody Documentation

Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
(315) 458-8033, FAX (315) 458-0249, (800) 842-4667

ATL CANTON
P.O. Box 29

Canton, NY 13617
ATTN: Brad Idzik

PROJECT #: 205843
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 350543 CLIENT SAMPLE ID: B1				**DATE SAMPLED:** 08/07/03	
Semi-Volatile - 8270 B/N					
1,2,4-trichlorobenzene	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
1,2-dichlorobenzene	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
1,2-diphenylhydrazine	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
1,2-Diphenylhydrazine breaks down in the injection port. It is analyzed and reported as Azobenzene.					
1,3-dichlorobenzene	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
1,4-dichlorobenzene	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
2,4-dinitrotoluene	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
2,6-dinitrotoluene	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
2-chloronaphthalene	<0.0857	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
2-methylnaphthalene	<0.0857	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
2-nitroaniline	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
3,3`-dichlorobenzidine	<1.72	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
3-nitroaniline	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
4-bromophenyl phenyl ether	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
4-chloroaniline	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
4-chlorophenyl phenyl ether	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
4-nitroaniline	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
acenaphthene	<0.0857	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
acenaphthylene	<0.0857	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
aniline	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
anthracene	<0.0857	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzo(a)anthracene	0.521	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzo(a)pyrene	0.546	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzo(b)fluoranthene	0.589	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzo(g,h,i)perylene	<0.0857	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzo(k)fluoranthene	0.692	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzyl alcohol	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
bis(2-chloroethoxy)methane	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
bis(2-chloroethyl) ether	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
bis(2-ethylhexyl) phthalate	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
butyl benzyl phthalate	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA

ATL CANTON
P.O. Box 29

Canton, NY 13617
ATTN: Brad Idzik

PROJECT #: 205843
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

T PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
MPLE #: 350543 CLIENT SAMPLE ID:	B1			**DATE SAMPLED:**	08/07/03
Semi-Volatile - 8270 B/N					
chrysene	0.560	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
dibenz(a,h)anthracene	<0.0857	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
dibenzofuran	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
diethyl phthalate	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
dimethyl phthalate	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
di-n-butyl phthalate	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
di-n-octyl phthalate	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
fluoranthene	1.40	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
fluorene	<0.0857	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
hexachlorobenzene	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
hexachlorobutadiene	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
hexachlorocyclopentadiene	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
hexachloroethane	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
indeno(1,2,3-cd)pyrene	<0.0857	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
isophorone	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
naphthalene	<0.0857	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
nitrobenzene	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
n-nitrosodimethylamine	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
n-nitrosodiphenylamine	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
n-nitrosodipropylamine	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
phenanthrene	0.668	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
pyrene	1.62	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
pyridine	<0.429	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
Solid Soxhlet Extraction			08/11/03	EPA 3540C	MKE
SOLIDS, TOTAL	58	PERCENT	08/11/03	SM18 2540B	CSA
Volatile - TCL VOLATILES					
1,1,1-trichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1,2,2-tetrachloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1,2-trichloro-1,2,2-trifluoroeth	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1,2-trichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1-dichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1-dichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2,3-trichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2,4-trichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dibromo-3-chloropropane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dibromoethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dichloropropane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA

ATL CANTON
P.O. Box 29

Canton, NY 13617
ATTN: Brad Idzik

PROJECT #: 205843
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

E	PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
MPLE #: 350543	**CLIENT SAMPLE ID:** B1				**DATE SAMPLED:**	08/07/03
Volatile - TCL VOLATILES						
	1,3-dichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	1,4-dichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	2-butanone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	2-hexanone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	4-methyl-2-pentanone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	acetone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	benzene	0.138	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	bromochloromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	bromodichloromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	bromoform	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	bromomethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	carbon disulfide	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	carbon tetrachloride	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	chlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	chloroethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	chloroform	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	chloromethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	cis-1,2-dichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	cis-1,3-dichloropropene	<0.0862	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	cyclohexane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	dibromochloromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	dichlorodifluoromethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	ethylbenzene	0.162	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	isopropyl benzene (cumene)	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	methyl acetate	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	methylcyclohexane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	methylene chloride	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	mtbe	0.142	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	styrene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	tetrachloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	toluene	0.159	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	trans-1,2-dichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	trans-1,3-dichloropropene	<0.0862	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	trichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	trichlorofluoromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	vinyl chloride	<0.200	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	xylene, m+p	0.353	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	xylene, o	0.186	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
	Soil Extraction for Volatiles			08/08/03	EPA 5035	MNE

ATL CANTON
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Canton, NY 13617
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PROJECT #: 205843
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

E	PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
IPLE #: 350544	CLIENT SAMPLE ID: B3				DATE SAMPLED: 08/07/03	
er-Volatile - 8270 B/N						
	1,2,4-trichlorobenzene	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	1,2-dichlorobenzene	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	1,2-diphenylhydrazine	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	1,2-Diphenylhydrazine breaks down in the injection port. It is analyzed and reported as Azobenzene.					
	1,3-dichlorobenzene	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	1,4-dichlorobenzene	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	2,4-dinitrotoluene	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	2,6-dinitrotoluene	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	2-chloronaphthalene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	2-methylnaphthalene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	2-nitroaniline	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	3,3`-dichlorobenzidine	<1.22	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	3-nitroaniline	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	4-bromophenyl phenyl ether	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	4-chloroaniline	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	4-chlorophenyl phenyl ether	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	4-nitroaniline	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	acenaphthene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	acenaphthylene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	aniline	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	anthracene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	benzo(a)anthracene	0.0731	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	benzo(a)pyrene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	benzo(b)fluoranthene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	benzo(g,h,i)perylene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	benzo(k)fluoranthene	0.0737	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	benzyl alcohol	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	bis(2-chloroethoxy)methane	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	bis(2-chloroethyl) ether	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	bis(2-ethylhexyl) phthalate	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	butyl benzyl phthalate	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	chrysene	0.0615	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	dibenz(a,h)anthracene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	dibenzofuran	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	diethyl phthalate	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	dimethyl phthalate	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	di-n-butyl phthalate	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	di-n-octyl phthalate	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	fluoranthene	0.147	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
	fluorene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA

ATL CANTON
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Canton, NY 13617
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PROJECT #: 205843
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

E T PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
MPLE #: 350544 CLIENT SAMPLE ID:	B3			**DATE SAMPLED:**	08/07/03
emi-Volatile - 8270 B/N					
hexachlorobenzene	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
hexachlorobutadiene	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
hexachlorocyclopentadiene	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
hexachloroethane	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
indeno(1,2,3-cd)pyrene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
isophorone	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
naphthalene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
nitrobenzene	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
n-nitrosodimethylamine	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
n-nitrosodiphenylamine	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
n-nitrosodipropylamine	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
phenanthrene	<0.0609	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
pyrene	0.170	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
pyridine	<0.304	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
Solid Soxhlet Extraction			08/11/03	EPA 3540C	MKE
SOLIDS, TOTAL	82	PERCENT	08/11/03	SM18 2540B	CSA
V atile - TCL VOLATILES					
1,1,1-trichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1,2,2-tetrachloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1,2-trichloro-1,2,2-trifluoroeth	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1,2-trichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1-dichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1-dichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2,3-trichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2,4-trichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dibromo-3-chloropropane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dibromoethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dichloropropane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,3-dichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,4-dichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
2-butanone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
2-hexanone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
4-methyl-2-pentanone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
acetone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
benzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
bromochloromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
bromodichloromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA

A-TL CANTON
'.O. Box 29

Canton, NY 13617
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PROJECT #: 205843
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Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

E PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
PLE #: 350544 CLIENT SAMPLE ID:	B3			**DATE SAMPLED:**	08/07/03
o' ile - TCL VOLATILES					
bromoform	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
bromomethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
carbon disulfide	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
carbon tetrachloride	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
chlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
chloroethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
chloroform	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
chloromethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
cis-1,2-dichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
cis-1,3-dichloropropene	<0.0610	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
cyclohexane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
dibromochloromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
dichlorodifluoromethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
ethylbenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
isopropyl benzene (cumene)	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
methyl acetate	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
methylcyclohexane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
methylene chloride	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
mtbe	0.103	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
styrene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
tetrachloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
toluene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
trans-1,2-dichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
trans-1,3-dichloropropene	<0.0610	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
trichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
trichlorofluoromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
vinyl chloride	<0.200	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
xylene, m+p	0.225	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
xylene, o	0.120	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
Soil Extraction for Volatiles			08/08/03	EPA 5035	MNE

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SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

E. PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
IPLE #: 350545 CLIENT SAMPLE ID: B5				**DATE SAMPLED:**	08/07/03
emi-Volatile - 8270 B/N					
1,2,4-trichlorobenzene	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
1,2-dichlorobenzene	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
1,2-diphenylhydrazine	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
1,2-Diphenylhydrazine breaks down in the injection port. It is analyzed and reported as Azobenzene.					
1,3-dichlorobenzene	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
1,4-dichlorobenzene	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
2,4-dinitrotoluene	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
2,6-dinitrotoluene	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
2-chloronaphthalene	<0.0703	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
2-methylnaphthalene	<0.0703	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
2-nitroaniline	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
3,3`-dichlorobenzidine	<1.41	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
3-nitroaniline	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
4-bromophenyl phenyl ether	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
4-chloroaniline	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
4-chlorophenyl phenyl ether	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
4-nitroaniline	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
acenaphthene	<0.0703	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
acenaphthylene	<0.0703	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
aniline	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
anthracene	0.115	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzo(a)anthracene	0.548	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzo(a)pyrene	0.437	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzo(b)fluoranthene	0.291	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzo(g,h,i)perylene	<0.0703	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzo(k)fluoranthene	0.563	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
benzyl alcohol	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
bis(2-chloroethoxy)methane	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
bis(2-chloroethyl) ether	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
bis(2-ethylhexyl) phthalate	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
butyl benzyl phthalate	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
chrysene	0.497	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
dibenz(a,h)anthracene	<0.0703	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
dibenzofuran	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
diethyl phthalate	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
dimethyl phthalate	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
di-n-butyl phthalate	0.566	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
di-n-octyl phthalate	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
fluoranthene	1.13	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
fluorene	<0.0703	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA

ATL CANTON
P.O. Box 29

Canton, NY 13617
ATTN: Brad Idzik

PROJECT #: 205843
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

TE T PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
MPLE #: 350545 CLIENT SAMPLE ID: B5				DATE SAMPLED:	08/07/03
Semi-Volatile - 8270 B/N					
hexachlorobenzene	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
hexachlorobutadiene	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
hexachlorocyclopentadiene	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
hexachloroethane	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
indeno(1,2,3-cd)pyrene	<0.0703	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
isophorone	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
naphthalene	<0.0703	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
nitrobenzene	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
n-nitrosodimethylamine	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
n-nitrosodiphenylamine	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
n-nitrosodipropylamine	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
phenanthrene	0.491	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
pyrene	1.09	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
pyridine	<0.352	MG/KG DRY WT.	08/12/03	EPA 8270C	MMA
Solid Soxhlet Extraction			08/11/03	EPA 3540C	MKE
SOLIDS, TOTAL	70	PERCENT	08/11/03	SM18 2540B	CSA
V atile - TCL VOLATILES					
1,1,1-trichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1,2,2-tetrachloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1,2-trichloro-1,2,2-trifluoroeth	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1,2-trichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1-dichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,1-dichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2,3-trichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2,4-trichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dibromo-3-chloropropane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dibromoethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dichloroethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,2-dichloropropane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,3-dichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
1,4-dichlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
2-butanone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
2-hexanone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
4-methyl-2-pentanone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
acetone	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
benzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
bromochloromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
bromodichloromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA

ATL CANTON
P.O. Box 29

Canton, NY 13617
ATTN: Brad Idzik

PROJECT #: 205843
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

T PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
MPLE #: 350545 CLIENT SAMPLE ID: B5				**DATE SAMPLED:**	08/07/03
Volatile - TCL VOLATILES					
bromoform	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
bromomethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
carbon disulfide	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
carbon tetrachloride	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
chlorobenzene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
chloroethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
chloroform	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
chloromethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
cis-1,2-dichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
cis-1,3-dichloropropene	<0.0714	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
cyclohexane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
dibromochloromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
dichlorodifluoromethane	<0.500	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
ethylbenzene	0.124	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
isopropyl benzene (cumene)	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
methyl acetate	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
methylcyclohexane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
methylene chloride	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
mtbe	0.119	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
styrene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
tetrachloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
toluene	0.107	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
trans-1,2-dichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
trans-1,3-dichloropropene	<0.0714	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
trichloroethene	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
trichlorofluoromethane	<0.100	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
vinyl chloride	<0.200	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
xylene, m+p	0.260	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
xylene, o	0.141	MG/KG DRY WT.	08/11/03	EPA 8260B	MMA
Soil Extraction for Volatiles			08/08/03	EPA 5035	MNE

ATL CANTON
P.O. Box 29

Canton, NY 13617
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PROJECT #: 205843
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

T PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY

Wendy J. Umberger
Laboratory Director

08/12/2003
Print Date

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No 00302

ENVIRONMENTAL - CHAIN OF CUSTODY

Albany	Binghamton	Canton	Ithaca	Plattsburgh	Poughkeepsie	Syracuse	Utica	Watertown
12 Arrowhead Lane Cohoes, NY 12047 518/783-9073 (T) 518/783-6987 (F)	406 North Street Endicott, NY 13670 607/757-9326 (T) 607/757-9252 (F)	P.O. Box 29 Canton, NY 13617 315/386-4578 (T) 315/386-1012 (F)	798 Cascadilla Street Ithaca, NY 14850 607/272-1723 (T) 607/272-1723 (F)	1080 Military Tpke. Plattsburgh, NY 12901 518/563-5878 (T) 518/562-1321 (F)	1601 Route 376 Wappingers Falls, NY 12590 845/463-1126 (T) 845/426-1127 (F)	5866 State Rt. 31 Cicero, NY 13039 315/699-5281 (T) 315/699-3374 (F)	301 St. Andrews St. Utica, NY 13502 315/735-3309 (T) 315/735-0742 (F)	P.O. Box 91 Felts Mills, NY 13638 315/773-5390 (T) 315/773-0334 (F)

Project No.	Client Name	QA/QC Code	Parameters	Report Distribution
CD2256	Village of Fort Covington	☐ NYSDEC ☐ SW-846 ☐ NYSDOH ☐ CLP ☐ Other		Dates Required: 48 HR TAT
Page of				
Project Contact:	Bradley Jozik	Project Location		Send Report To: B. Jozik
Project Name:	Sediment Sampling	Ft Covington		Fax Results: ☒ YES ☐ NO

Date	Time	Sample Location	Sample Type	No. of Containers	EPA 8260 TCL	EPA 8270 B/N	Laboratory Identification No.	Field Notes
8/7/03	0910	B1	CS	2	X	X	350543	
8/7/03	1110	B3	CS	2	X	X	350544	
8/7/03	1340	B3 BR B5	CS	2	X	X	350545	

Custody Seal: X= intact

19°

Samplers Name:	Alexander Smith	Date:	Aug 7, 03	Received for Name:	K. Chehovich	Date:	8/8/03	Shipment Rec'd Intact?
Samplers Signature:	A. Smith	Time:	16:25	Laboratory Signature:	K Chehovich	Time:	0908	☒ YES ☐ NO

Samples Relinquished By:				Samples Received By:				Sample Type Code Key:		Laboratory Remarks
Name:		Date:		Name:		Date:		Description: C Composite; G Grab; Q QA/QC; O Other	Matrix: DW Drinking Water; GW Groundwater; O Oil; S Soil; SL Sludge; WW Wastewater	
Signature:		Time:		Signature:		Time:				
Name:		Date:		Name:		Date:				
Signature:		Time:		Signature:		Time:				

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Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
(315) 458-8033, FAX (315) 458-0249, (800) 842-4667

ATL CANTON
P.O. Box 29

Canton, NY 13617
ATTN: Brad Idzik

PROJECT #: 205844
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

T PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
MPLE #: 350546 CLIENT SAMPLE ID:	B1			**DATE SAMPLED:**	08/07/03
CP/MS					
antimony	<0.943	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
arsenic	1.30	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
barium	53.8	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
beryllium	<0.943	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
cadmium	<0.943	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
chromium	15.1	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
copper	15.5	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
lead	23.3	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
nickel	6.18	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
selenium	<0.943	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
silver	<0.943	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
thallium	<0.943	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
zinc	71.2	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
Metals Digestion			08/15/03	EPA 3050B	BDR
C					
iron	9750	MG/KG DRY WT.	08/15/03	EPA 6010	NSH
Metals Digestion			08/14/03	EPA 3050B	BDR
M RCURY	0.092	MG/KG DRY WT.	08/20/03	EPA 7471A	NSH
Semi-Volatile - PCB'S					
aroclor 1016	<0.931	MG/KG DRY WT.	08/15/03	EPA 8082	MNE
aroclor 1221	<0.931	MG/KG DRY WT.	08/15/03	EPA 8082	MNE
aroclor 1232	<0.931	MG/KG DRY WT.	08/15/03	EPA 8082	MNE
aroclor 1242	<0.931	MG/KG DRY WT.	08/15/03	EPA 8082	MNE
aroclor 1248	<0.931	MG/KG DRY WT.	08/15/03	EPA 8082	MNE
aroclor 1254	<0.931	MG/KG DRY WT.	08/15/03	EPA 8082	MNE
aroclor 1260	<0.931	MG/KG DRY WT.	08/15/03	EPA 8082	MNE
Solid Soxhlet Extraction			08/12/03	EPA 3540C	MKE
SOLIDS, TOTAL	53	PERCENT	08/11/03	SM18 2540B	CSA

ATL CANTON
P.O. Box 29

Canton, NY 13617
ATTN: Brad Idzik

PROJECT #: 205844
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

T PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
MPLE #: 350547 CLIENT SAMPLE ID:	B3			DATE SAMPLED:	08/07/03
CP/MS					
antimony	<0.610	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
arsenic	<0.610	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
barium	7.56	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
beryllium	<0.610	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
cadmium	<0.610	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
chromium	1.89	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
copper	0.831	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
lead	2.44	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
nickel	1.55	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
selenium	<0.610	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
silver	<0.610	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
thallium	<0.610	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
zinc	13.9	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
Metals Digestion			08/15/03	EPA 3050B	BDR
C					
iron	8760	MG/KG DRY WT.	08/15/03	EPA 6010	NSH
Metals Digestion			08/14/03	EPA 3050B	BDR
M RCURY	<0.050	MG/KG DRY WT.	08/20/03	EPA 7471A	NSH
Semi-Volatile - PCB'S					
aroclor 1016	<0.0621	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1221	<0.0621	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1232	<0.0621	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1242	<0.0621	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1248	<0.0621	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1254	<0.0621	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1260	<0.0621	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
Solid Soxhlet Extraction			08/12/03	EPA 3540C	MKE
SOLIDS, TOTAL	80	PERCENT	08/11/03	SM18 2540B	CSA

ATL CANTON
P.O. Box 29

Canton, NY 13617
ATTN: Brad Idzik

PROJECT #: 205844
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 350548 CLIENT SAMPLE ID:	B5			**DATE SAMPLED:**	08/07/03
ICP/MS					
antimony	<0.646	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
arsenic	0.749	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
barium	40.8	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
beryllium	<0.646	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
cadmium	<0.646	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
chromium	7.87	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
copper	3.75	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
lead	5.21	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
nickel	5.13	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
selenium	<0.646	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
silver	<0.646	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
thallium	<0.646	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
zinc	29.6	MG/KG DRY WT.	08/18/03	EPA 6020	NSH
Metals Digestion			08/15/03	EPA 3050B	BDR
IC					
iron	7840	MG/KG DRY WT.	08/15/03	EPA 6010	NSH
Metals Digestion			08/14/03	EPA 3050B	BDR
MERCURY	<0.054	MG/KG DRY WT.	08/20/03	EPA 7471A	NSH
Semi-Volatile - PCB'S					
aroclor 1016	<0.0649	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1221	<0.0649	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1232	<0.0649	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1242	<0.0649	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1248	<0.0649	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1254	<0.0649	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
aroclor 1260	<0.0649	MG/KG DRY WT.	08/14/03	EPA 8082	MNE
Solid Soxhlet Extraction			08/12/03	EPA 3540C	MKE
SOLIDS, TOTAL	77	PERCENT	08/11/03	SM18 2540B	CSA

ATL CANTON
P.O. Box 29

Canton, NY 13617
ATTN: Brad Idzik

PROJECT #: 205844
RECEIVED: 08/08/2003

Site Address:
VILLAGE OF FORT COVINGTON
SEDIMENT SAMPLING

CLIENT JOB NUMBER: CD2256

TI T PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY

Wendy J. Umberger
Laboratory Director

08/22/2003
Print Date

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ATLANTIC TESTING LABORATORIES, Limited

ENVIRONMENTAL - CHAIN OF CUSTODY

№ 00303

Albany	Binghamton	Canton	Ithaca	Plattsburgh	Poughkeepsie	Syracuse	Utica	Watertown
12 Arrowhead Lane	406 North Street	P.O. Box 29	798 Cascadilla Street	1080 Military Trpk.	1601 Route 376	5866 State Rt. 31	301 St. Andrews St.	P.O. Box 91
Cohoes, NY 12047	Endicott, NY 13670	Canton, NY 13617	Ithaca, NY 14850	Plattsburgh, NY 12901	Wappingers Falls, NY 12590	Cicero, NY 13039	Utica, NY 13502	Felts Mills, NY 13638
518/783-9073 (T)	607/757-9326 (T)	315/386-4578 (T)	607/272-1723 (T)	518/563-5878 (T)	845/463-1126 (T)	315/699-5281 (T)	315/735-3309 (T)	315/773-5390 (T)
518/783-6987 (F)	607/757-9252 (F)	315/386-1012 (F)	607/272-1723 (F)	518/562-1321 (F)	845/426-1127 (F)	315/699-3374 (F)	315/735-0742 (F)	315/773-0334 (F)

Project No.	Client Name	QA/QC Code	Parameters	Report Distribution
CD2256	Village of Fort Covington	☐ NYSDEC ☐ SW-846 ☐ NYSDOH ☐ CLP ☐ Other	EPA 8082; Priority Pollutant Metal; RCRA Metal; Copper; Iron	Dates Required: 2wk
Page of		Project Location: Ft Covington		Send Report To: B. Fozik
Project Contact:	Bradley Fozik			Fax Results: ☒ YES ☐ NO
Project Name:	Sediment Sampling			

Date	Time	Sample Location	Sample Type	No. of Containers	Laboratory Identification No.	Field Notes	Custody Seal: X= intact
8/7/03	0910	B1	CS	5	350546		
8/7/03	1110	B3	CS	5	350547		
8/7/03	1340	B5	CS	5	350548		

						Shipment Rec'd Intact?
Samplers Name:	Alexander Smith	Date: Aug 7, 03	Received for Name:	K. Chehaich	Date: 8/8/03	
Samplers Signature:	A. Smith	Time: 16:25	Laboratory Signature:	K Chehaich	Time: 0915	☒ YES ☐ NO

Samples Relinquished By:				Samples Received By:				Sample Type Code Key:				Laboratory Remarks
Name:		Date:		Name:		Date:		Description		Matrix		
Signature:		Time:		Signature:		Time:		C	Composite	DW	Drinking Water	
Name:		Date:		Name:		Date:		G	Grab	GW	Groundwater	
Signature:		Time:		Signature:		Time:		Q	QA/QC	O	Oil	
								O	Other	S	Soil	
										SL	Sludge	
										WW	Wastewater	

Think Quality

Distril : Wh h Sar
Yellow to Laboratory

OF
Revised 11/02

APPENDIX H

Recommended Interim Remedial Measure

November 15, 2007

Mr. Michael P. McLean, P.E.
New York State Department of Environmental Conservation
Office of Environmental Quality, Region 5
Route 86 – P.O. Box 296
Ray Brook, New York 12977

Re: Former Martin's Gulf Service Station (Webb's Collision Service)
Chateaugay and Salmon Street
Fort Covington, New York
Environmental Restoration Program No. E-517006
NYSDEC Case No. 95-07646
PBS No. 5-436720

Dear Mr. McLean:

On behalf of the Town of Fort Covington, New York, Kleinfelder East, Inc. (Kleinfelder) is submitting the following Interim Remedial Measure (IRM) work plan to the New York State Department of Environmental Conservation (NYSDEC) for review and approval. This IRM work plan documents the investigative and remedial activities planned for the above-referenced Site. The purpose of this IRM is to supplement and address previous investigative activities in order to remediate and further delineate the extent of adsorbed and dissolved-phase hydrocarbons in the northern portion of the Site in the vicinity of the former dispenser island.

Based on recent groundwater sampling events conducted by Kleinfelder and historical site data, it is evident that soil impacted with petroleum hydrocarbons remains at the site. The contaminated soil may continue to act as a source of dissolved phase concentrations observed in groundwater monitoring wells.

Proposed IRM addendum activities include the following:

Excavation

- Conduct a subsurface utility investigation. Ground penetrating radar, a radio-frequency metal detector and electromagnetic technologies will be used as necessary to mark out underground utilities and to identify the presence or absence of any subsurface metal anomalies such as underground storage tanks (USTs), product piping, and remote fills in the vicinity of proposed excavation locations;
- Excavate in the vicinity of the former dispenser island as detailed in Figure 1. The proposed excavation limits will be approximately 45 feet by 50 feet by 8 feet deep. However, these limits may increase or decrease based on field screening results and/or subsurface obstructions. Throughout the excavation the soils will be field screened for the presence of volatile organic compounds (VOCs) with a photo-ionization detector (PID) and by visual observation. The PID is equipped with a 10.6-eV lamp calibrated to isobutylene span gas to yield total VOCs in parts per million per volume (ppm_v). Based on field screening results, soils will be segregated into separate stockpiles of impacted soil and not impacted soil. For the purposes of this IRM, approximately 1,000 tons of soil was used to estimate costs detailed below.

- The actual extent of the excavation will be field determined based on field screening procedures described above. However, since groundwater is anticipated to be encountered between 4.5 and 5 ft below ground surface, temporary dewatering measures may be necessary and will be implemented under direction of the environmental subcontractor. Based on slug test data and historical soil boring logs, it is anticipated that recharge and seepage will be slow (hydraulic conductivity is estimated to be approximately 10^{-4} to 10^{-5} cm/s). The proposed temporary dewatering measures include a sump pit that will be installed and maintained at the lowest point of the excavation during soil removal activities. Groundwater will be collected and pumped from the sump pit into a storage tank or equivalent container for offsite disposal at an NYSDEC approved facility. If field screening results indicate that the excavation needs to continue beyond 8 feet below ground surface to remove impacted material, then a comprehensive groundwater recharge and seepage assessment will be prepared. The assessment will be prepared by a NYS Professional Engineer. The cost to prepare this assessment is not included with this IRM proposal.
- Post-excavation soil samples will be collected from the sidewalls of the excavation at 10-foot intervals along each sidewall at the groundwater interface. Bottom samples will be collected at a minimum frequency of one per 10 foot by 10 foot area. It is likely that bottom samples will not be collected from the excavation because the bottom of the IRM excavation is expected to be below the saturated zone. If the soils present at the base of the excavation are above the water table, post-excavation bottom samples will be collected and submitted for analysis..
- Soil samples will be submitted to a NYSDOH approved laboratory for analysis of NYSDEC STARS Table 1 List of VOCs, including MTBE, in accordance with USEPA Method 8260.
- Impacted soils will be transported to the Franklin County Landfill assuming the landfill's petroleum impacted soil limit for 2007 has not been exceeded. Otherwise, disposal and subsequent costs will be contingent upon the location of an appropriate receiving landfill.
- Clean fill material will be used to backfill the excavated area and will be certified as clean in accordance with appropriate requirements. Fill material will be backfilled and compacted to a minimum of 90% of standard proctor in 1-foot lifts up to original grade. A redevelopment plan has not been provided to Kleinfelder. Proposed development in the excavation area may require material replacement of additional compaction to support structures and foundations.
- The sample data will be subject to a data usability review and submitted in a data usability and a summary report (DUSR).
- Any monitoring wells encountered within the excavation limits and/or damaged during excavation activities will be removed. The proposed cost of this IRM does not include replacement of these wells, and a separate cost estimate to replace them will be provided as necessary.
- Estimated costs for activities described in this IRM are:

  $1,000 for private subsurface utility locator to mark out underground utilities in excavation area.

  $31,500 for excavation subcontractor (intention to use MBE/WBE contractor; estimate includes dewatering activities, groundwater disposal (up to 5,000 gallons), soil transportation to landfill, clean fill backfill and compaction, and a five day duration)

$45,000 for soil disposal (assuming 1000 tons at $45/ton) at Franklin County Solid Waste Management Facility (alternate disposal location will result in higher pricing)

$4,400 for clean fill sand (assuming 667 cubic yards pre-compaction volume @ $6.60/cy)

$4,500 for environmental oversight (includes sample collection, and assumes one person at $900/day at 5 days).

$450 to collect samples from clean fill supplier

$2,700 to certify clean fill does not exceed RSCO per 6 NYCRR Part 375-6 (Sample analysis required (TCL VOCs, SVOCs, TAL Metals, TCL Pesticides and PCBs at $565/sample assuming 4 samples; and certification letter),

$20,340 for sample analysis (assuming 24 sidewall samples and 12 bottom samples at $565/sample; shipping not included)

$6,500 for post excavation reporting and DUSR

$650 for sample shipment costs

Total: $112,540

Concrete and construction debris encountered during the excavation will be returned to the excavation upon completion. Pricing does not include costs for off-site disposal of such materials.

Price does not include replacement of monitoring wells that are damaged/destroyed during remedial excavation activities.

The IRM activities can commence within approximately 4 weeks of approval by the Town of Ft. Covington and the NYSDEC. The findings of the IRM activities will be included in a Supplemental Subsurface Investigation Report (SSIR), to be submitted to the NYSDEC within 90 days following receipt of post-excavation analytical results.

The IRM will be implemented according to the above schedule assuming no unforeseen circumstances or additional activities are required by the NYSDEC. If additional work is required by the NYSDEC for this Site, a revised schedule for the additional work and the activities listed above will be completed on a revised schedule to be agreed upon by the Town of Fort Covington and the NYSDEC.

If you have any questions, please contact the undersigned at the phone numbers listed below.

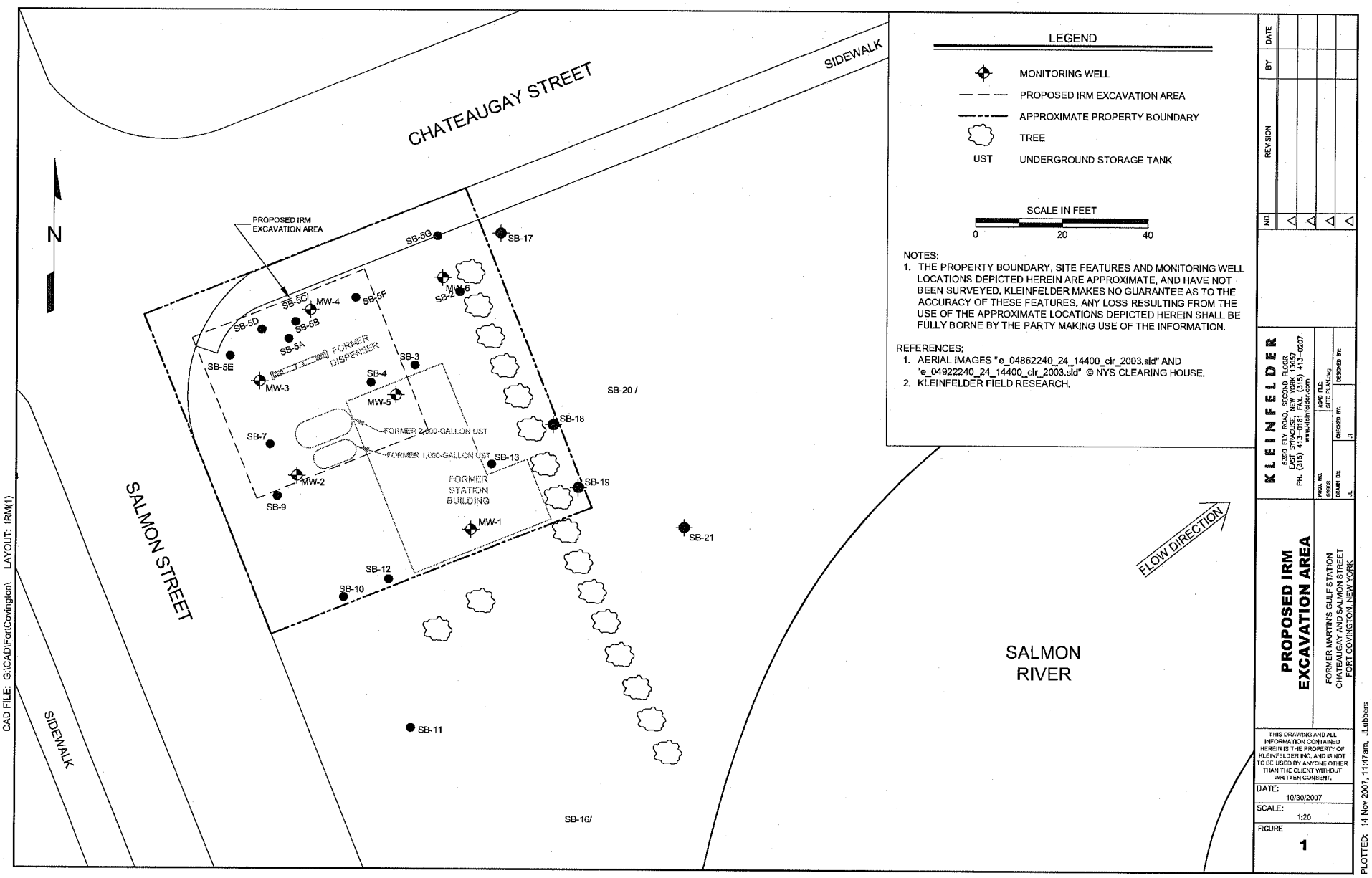
Sincerely,
Kleinfelder East, Inc.

John Imhoff
Sr. Project Manager
315/413-0181

Matthew Levinson
Project Engineer
845/567-6530

Enclosure
cc: File

FIGURE


CHATEAUGAY STREET
SIDEWALK
PROPOSED IRM EXCAVATION AREA
N
SB-5G
SB-17
MW-6
SB-2
SB-5O
MW-4
SB-5F
SB-5D
SB-5B
SB-5A
SB-5E
FORMER DISPENSER
SB-3
SB-4
MW-3
MW-5
SB-20 /
SB-18
SB-7
FORMER 2,000-GALLON UST
FORMER 1,000-GALLON UST
SB-13
MW-2
FORMER STATION BUILDING
SB-19
SB-9
MW-1
SB-21
SB-12
SB-10
SALMON STREET
SIDEWALK
SB-11
SB-16/
SALMON RIVER
FLOW DIRECTION
LEGEND
MONITORING WELL
PROPOSED IRM EXCAVATION AREA
APPROXIMATE PROPERTY BOUNDARY
TREE
UST
UNDERGROUND STORAGE TANK
SCALE IN FEET
0
20
40
NOTES:
1. THE PROPERTY BOUNDARY, SITE FEATURES AND MONITORING WELL LOCATIONS DEPICTED HEREIN ARE APPROXIMATE, AND HAVE NOT BEEN SURVEYED. KLEINFELDER MAKES NO GUARANTEE AS TO THE ACCURACY OF THESE FEATURES. ANY LOSS RESULTING FROM THE USE OF THE APPROXIMATE LOCATIONS DEPICTED HEREIN SHALL BE FULLY BORNE BY THE PARTY MAKING USE OF THE INFORMATION.
REFERENCES:
1. AERIAL IMAGES "e_04862240_24_14400_clr_2003.sid" AND "e_04922240_24_14400_clr_2003.sid" © NYS CLEARING HOUSE.
2. KLEINFELDER FIELD RESEARCH.
NO.
REVISION
BY
DATE
KLEINFELDER
6390 FLY ROAD, SECOND FLOOR
EAST SYRACUSE, NEW YORK 13057
PH. (315) 413-0167 FAX (315) 413-0207
www.kleinfelder.com
PROJ. NO.
65958
DRAWN BY:
JL
CHECKED BY:
JT
APP'D:
SITE PLAN.dwg
DESIGNED BY:
PROPOSED IRM
EXCAVATION AREA
FORMER MARTIN'S GULF STATION
CHATEAUGAY AND SALMON STREET
FORT COVINGTON, NEW YORK
THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF KLEINFELDER INC. AND IS NOT TO BE USED BY ANYONE OTHER THAN THE CLIENT WITHOUT WRITTEN CONSENT.
DATE:
10/30/2007
SCALE:
1:20
FIGURE
1
CAD FILE: G:\CAD\FortCovington\ LAYOUT: IRM(1)
PLOTTED: 14 Nov 2007, 11:47am, JLubbers