# FINAL INTERIM REMEDIAL MEASURES REPORT FOR

## CARDWELL CONDENSER LINDENHURST, NEW YORK

NYSDEC REGISTRY # 1-52-035

## FOR SUBMITTAL TO

## THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PREPARED BY

FPM group

909 MARCONI AVENUE RONKONKOMA, NEW YORK 11779

**OCTOBER, 2000** 

## TABLE OF CONTENTS

<u>Section</u>	<u>Description</u>	Page No
1.0	Introduction	1-1
1.1	Overview	1-1
2.0	Site Background and Setting	2-1
2.1	Site Location	2-1
2.2	Environmental Setting	2-1
2.2.1	Regional Geology	2-1
2.2.2	Regional Hydrogeology	2-3
2.3	Site History and Previous Investigation Results	2-4
2.3.1	Site History	2-4
2.3.2	Previous Investigations	2-5
3.0	Interim Remedial Measures and Investigation	3-1
3.1	Quality Assurance/Quality Control	3-1
3.1.1	Sample Packaging and Shipment	3-1
3.1.2	Quality Assurance/Quality Control Samples	3-1
3.2	Sediment Removal and Soil Sampling	3-6
3.3	Groundwater Monitoring Well Installation and Sampling	3-15
3.4	Neguntatogue Creek Sampling	3-21
4.0	Conclusions and Recommendations	4-1
4.1	Leaching Pool Remediation	4-1
4.2	Groundwater Monitoring	4-2
4.3	Neguntatogue Creek	4-2
4.4	Reclassification of Site	4-3
5.0	References	5-1
	APPENDICES	
A	Laboratory Chemical Analytical Data Packages	
В	Waste Disposal Manifests	·
C	Boring Logs and Well Sampling Forms	



## SECTION 1.0 INTRODUCTION

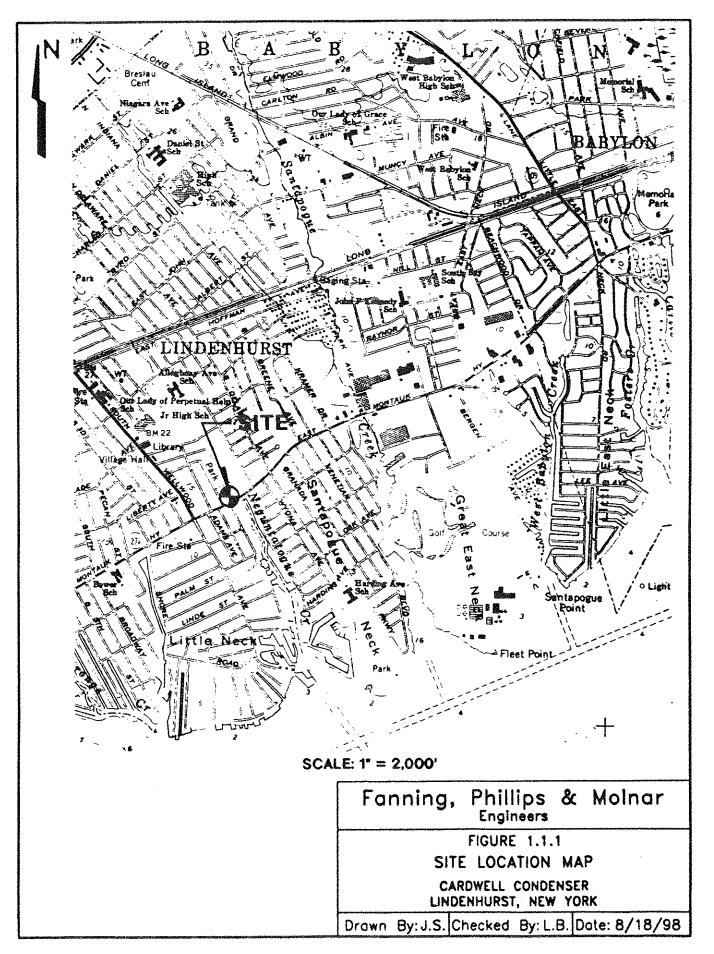
### 1.1 Overview

This Interim Remedial Measures (IRM) Report was prepared by FPM Group (FPM) for the Cardwell Condenser Inactive Hazardous Waste Disposal Site (NYSDEC Registry # 1-52-035) located at 80 East Montauk Highway, Lindenhurst, New York (the Site). The Site location is shown in Figure 1.1.1. The Site was placed on the New York State Department of Environmental Conservation (NYSDEC) Registry of Inactive Hazardous Waste Disposal Sites (IHWDS) as a Class 2 site.

The NYSDEC performed a Phase I Investigation (January, 1986) which was followed by a Phase II Investigation (February, 1990), and a Supplemental Phase II Investigation (December, 1993). During these investigations, seven groundwater monitoring wells were installed at the Site and groundwater samples were obtained and analyzed. Soil samples were also obtained and analyzed. The resulting data indicated that on-site soil and groundwater were impacted by volatile organic compounds (VOCs) and metals. A Remedial Investigation of the Site was recommended.

In October, 1994, FPM obtained additional soil and groundwater samples to evaluate whether the groundwater conditions detected at the Site are conclusively attributable to Site activities and to confirm the presence and concentrations of constituents previously detected in the on-site groundwater. The resulting report, "Groundwater and Soil Investigation Report for the Cardwell Condenser Site, Lindenhurst, New York" was submitted to the NYSDEC in January, 1995.

The NYSDEC reviewed the report and requested that the report's recommendations be presented in a Remedial Investigation (RI) Work Plan. An RI Work Plan was prepared and finalized in February, 1998 after incorporation of comments from the NYSDEC (FPM, January, 1998). The results of the RI were presented to the NYSDEC in an IRM Work Plan in August, 1999 since the obvious remedial step was to remove impacted sediments from the leaching pools.



Based on the results of the RI, it was concluded that Site leaching pools are impacted with VOCs and metals. Low to moderate concentrations of TCL VOCs are present in the groundwater at Site sampling locations, including wells MW-2, MW-8, and MW-9 and the Geoprobe locations GP-7, GP-8, GP-9, and GP-10. The groundwater samples exhibiting exceedances of the NYSDEC standards for VOCs are all located downgradient of VOC-impacted leaching pools. The groundwater flow direction across the Site was calculated to be east-southeast. An exposure assessment was performed and it was concluded that the potential for ingestion, dermal, or inhalation contact with the impacted leaching pool sediments and groundwater was minimal. In addition, the potential for impact to Neguntatogue Creek was also evaluated to be insignificant. Remediation of the VOC-impacted leaching pools was recommended to reduce the potential for impact to groundwater and Neguntatogue Creek. Additional investigation, including installation of two groundwater monitoring wells in the vicinity of GP-9 and sampling of Neguntatogue Creek, was also recommended. The scope of work for remediation and additional investigation was detailed in the August, 1999 IRM Work Plan. The NYSDEC, in a September 15, 1999 letter, also required additional soil sampling in the vicinity of leaching pool LP-14. This report presents the IRM remediation and investigation results.

## SECTION 2.0 SITE BACKGROUND AND SETTING

### 2.1 Site Location

The Site consists of approximately 1.2 acres located at 80 Montauk Highway in Lindenhurst, New York. The Site layout is shown in Figure 2.1.1. Neguntatogue Creek is located east of the Site and flows south into the Great South Bay. Bordering the property to the north is an undeveloped parcel owned by the Village of Lindenhurst. Immediately to the east is Strux, Inc., a small plastics manufacturing facility. The south and west boundaries of the property are formed by East Montauk Highway and Lincoln Avenue, respectively. The surrounding area is primarily residential and light industrial.

## 2.2 Environmental Setting

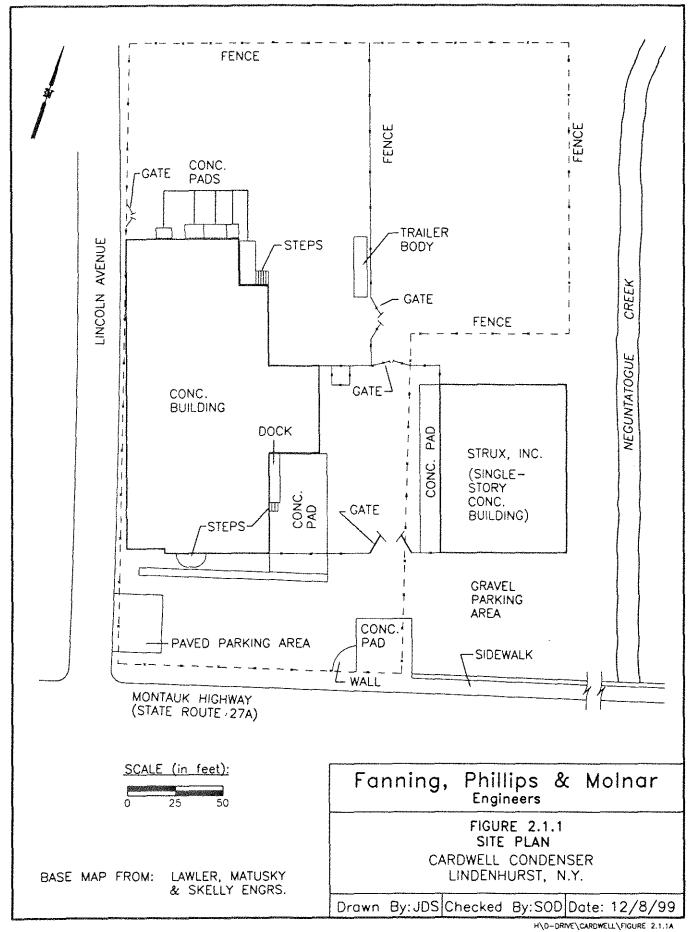
The regional geology and hydrogeology in the vicinity of the Site are typical of Long Island; glacial deposits of Pleistocene age overlie Cretaceous deposits which rest on Precambrian crystalline bedrock. Of importance to this investigation are the Pleistocene deposits which are present in the shallow subsurface beneath the Site.

### 2.2.1 Regional Geology

Precambrian bedrock is present at approximately 1,650 feet beneath the surface of the Site and is composed of crystalline igneous and metamorphic lithologies.

Cretaceous deposits unconformably overlie the bedrock and consist of the Raritan Formation and the Magothy Formation. The Raritan Formation includes the Lloyd Sand Member and the Raritan Clay Member. The Raritan Formation is present from approximately 1,000 to 1,650 feet beneath the Site. The Lloyd Sand Member is about 500 feet thick and the overlying Raritan Clay is approximately 150 feet thick. The Magothy Formation overlies the Raritan Formation and consists of interbedded fine sands.





silts, and clays, with discontinuous zones of sand and gravel found at various depths. The Magothy Formation is present from approximately 86 to 1000 feet below grade at the Site.

The Pleistocene Gardiners Clay overlies the Magothy Formation and is present from approximately 65 to 86 feet below the Site. The Gardiners Clay is composed of a marine clay with interbedded sand layers and lenses.

The Pleistocene Glacial Deposits overlie the Gardiners Clay and extend from at or near the ground surface to 65 feet below the ground surface at the Site. The Glacial Deposits consist of fine to very coarse sand and gravel.

## 2.2.2 <u>Regional Hydrogeology</u>

At the Site the hydrogeologic units correspond to the stratigraphic units. Of primary interest is the Upper Glacial Aquifer which is present in the Pleistocene Glacial Deposits. The Gardiners Clay acts as a confining unit between the Upper Glacial Aquifer and the underlying Magothy Aquifer.

Groundwater at the Cardwell Condenser Site is derived solely from precipitation. The Upper Glacial Aquifer is a water table aquifer and depth to water at the Site is approximately five feet below grade. Regional groundwater flow in the Upper Glacial Aquifer in the Site area is generally to the east-southeast.

Groundwater levels were measured in June 1993 in the on-site monitoring wells by an NYSDEC contractor and indicated a southeast groundwater flow direction. Previous groundwater elevation contour maps show a more east-southeasterly groundwater flow direction. Groundwater elevation contours and flow direction may be variable in the Site area due to tidal influences.



## 2.3 Site History and Previous Investigation Results

Information regarding the Site history and previous investigation results was obtained from the Phase I Investigation report prepared by Woodward-Clyde Consultants, Inc. in 1986, the Phase II Investigation report prepared by Lawler, Matusky & Shelly Engineers in December, 1993, and the Groundwater and Soil Investigation Report prepared by FPM in January, 1995.

## 2.3.1 Site History

The Site consists of approximately 1.2 acres of land with a 17,000- square-foot manufacturing and office building and a small storage building. The Cardwell Condenser Site, which is owned by Normilt Realty, has been operated as a manufacturing and office facility at this location since 1957. Prior to Cardwell Condenser's occupation of the Site, the two existing Site buildings were used by the Lindenhurst Brewery which operated at the Site from 1933 until the mid-1950s.

Cardwell Condenser manufactures electrical components, including waveguides, variable air capacitors, and microwave equipment. The manufacturing process includes chrome plating of the brass and/or aluminum components. Based on a report prepared by Donnelly Engineering Company in 1972 for a waste disposal permit application, the plating baths used in the manufacturing process at the Site included copper cyanide, silver cyanide, cadmium cyanide, nickel sulfate, chromic acid, other acids (hydrochloric, nitric, and nitric/sulfuric), and sodium cyanide. Cadmium iridite and aluminum iridite were also used as a coating on some parts.

Process wastewater from the plating operations was discharged to a shallow leaching pool located north of the manufacturing building. This pool overflowed into three eight-foot-diameter cesspools located within 30 feet of the shallow leaching pool. To the east of the manufacturing building, additional eight-foot-diameter leaching pools were used for sanitary waste disposal.



In June, 1972 the Suffolk County Department of Environmental Control (SCDEC, now the Suffolk County Department of Health Services, or SCDHS) informed Cardwell Condenser that industrial waste treatment facilities were required at the Site. Donnelly Engineering subsequently designed a wastewater treatment system which was approved by the SCDEC in August, 1974.

Between 1974 and 1985 an estimated 38,000 gallons of treated plating wastewater was discharged to the on-site leaching pools. Additional leaching pools were added as the useful life of the existing leaching pools was exceeded. A Site plan from 1980 shows six industrial leaching pools and eight sanitary leaching pools. The pools are eight or ten feet in diameter and are located at a maximum of four feet below grade due to the shallow groundwater at the Site.

Plating wastewater discharged to the industrial leaching pools (collectively identified as outfall 001) was regulated under State Pollutant Discharge Elimination System (SPDES) permits issued in 1975 and 1980. Industrial and sanitary wastewater discharges at the Site were connected to the Suffolk County Sewer District (SCSD) in June, 1987. Cardwell's SPDES permit was deleted in March, 1988 due to the cessation of on-site industrial wastewater discharges. Due to changes in operations at Cardwell since the connection to the municipal sewer, industrial wastewater is no longer generated.

With the exception of two leaching pools, it was reported that all on-site leaching pools have been backfilled. The leaching pools are reported to receive 500 gallons per day of non-contact cooling water only.

## 2.3.2 <u>Previous Investigations</u>

In 1986, Woodward-Clyde Consultants, Inc. was contracted by the NYSDEC to perform a Phase I Investigation of the Site. This investigation included data collection and review, preliminary Hazard Ranking Score (HRS) preparation, responsible parties interviews, preliminary hydrogeologic model preparation, work plan development, cost estimation, and summary report preparation. Results from



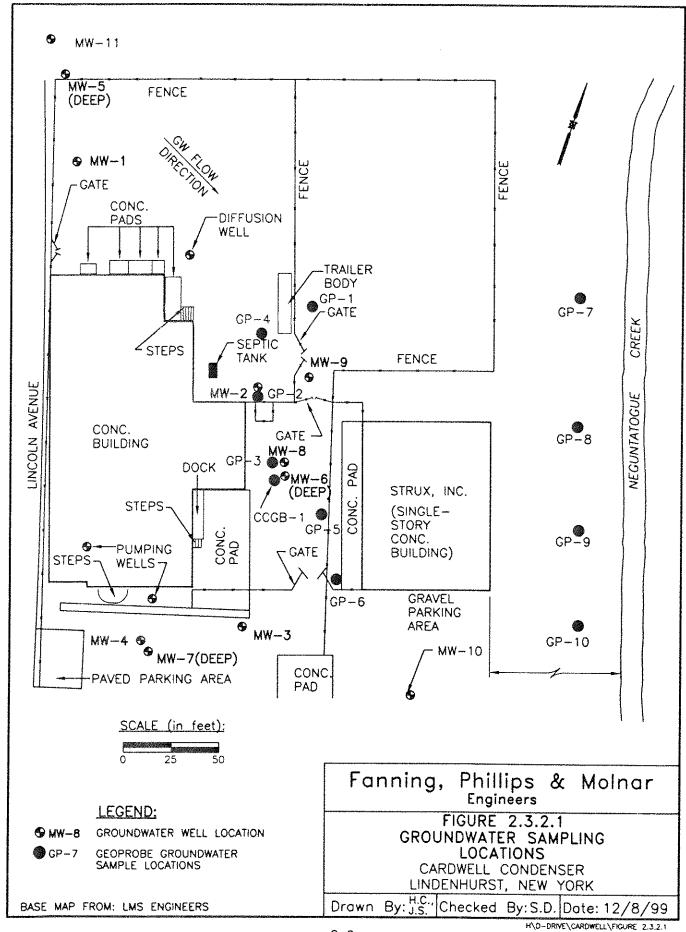
previous analyses of leaching pools indicated the presence of metals, VOCs, acid-extractable organic compounds, and total dissolved solids. The report concluded that the potential existed for contamination of groundwater.

Gibbs & Hill, Inc. was contracted by the NYSDEC in 1986 to conduct a Phase II investigation of the Site. Four groundwater monitoring wells were installed and samples were obtained and analyzed for VOCs, semivolatile organic compounds (SVOCs), metals, pesticides, and polychlorinated biphenyls (PCBs). The samples contained concentrations of VOCs in excess of the NYSDEC Class GA Ambient Water Quality Standards (Standards). However, the upgradient well showed the highest concentrations of VOCs and the results of the groundwater blind duplicate sample were inconsistent. Therefore, the chemical analytical results are considered suspect. No SVOCs, pesticides, or PCBs were detected in the groundwater samples. Low to non-detectable concentrations of metals, including silver, and cyanide were detected. Slightly elevated concentrations of cadmium and nickel were detected. The groundwater flow direction was found to be to the east-southeast. Two soil samples were also collected during this investigation. The chemical analytical results indicated that similar VOCs were detected in the soil samples and the groundwater samples. SVOCs were detected in one soil sample and pesticides were detected in the other soil sample. No PCBs were detected in the soil samples.

In 1992, Lawler, Matusky & Skelly Engineers (LMS) was contracted by the NYSDEC to conduct a Supplemental Phase II Investigation of the Site. The Supplemental Investigation was reported to be intended to collect additional information needed to classify the Site for further action. An additional soil sample was collected and analyzed for total Target Analyte List (TAL) metals and Extraction Procedure (EP) Toxicity metals. Concentrations of cadmium, copper, and lead exceeding eastern U.S. background soil concentration ranges were detected, however, the duplicate analyses were not within control limits.

Iron and zinc concentrations were estimated due to matrix interference. No metals concentrations were detected in exceedance of the EP Toxicity standards. The Site background levels for metals were not established.

Three additional wells (MW-5 through MW-7) were installed and screened at the base of the Upper Glacial Aguifer (60 to 65 feet below grade). The locations of these wells, together with the groundwater sampling locations for other investigations, are shown on Figure 2.3.2.1. All seven groundwater monitoring wells and the two on-site process/potable water supply wells were sampled in May, 1992 and analyzed for Target Compound List (TCL) VOCs, SVOCs, and pesticides/PCBs, TAL metals, cyanide, chemical oxygen demand (COD), total suspended solids (TSS), and total dissolved solids (TDS). The results showed concentrations of 1,2-dichloroethylene and tetrachloroethylene in exceedance of the Standards in well MW-2. Estimated concentrations of vinyl chloride and trichloroethylene also exceeded the standards in CCMW-2. Estimated concentrations of 1,1,1-trichloroethane slightly exceeded the standards at the two potable/process water supply wells on Site. One VOC tentatively identified compound (TIC) was detected in four of the six wells in estimated concentrations in exceedance of the NYSDEC guidance value for individual TICs. No significant concentrations of SVOCs were detected in any of the samples. Only sample MW-2 from the shallow wells contained concentrations of SVOC TICs exceeding NYSDEC guidance values. Several TICs were detected in the deep monitoring wells. The highest concentrations were detected in the sample from well MW-6. Metals detected in all seven wells exceeding the Standards included iron, manganese, and sodium. These metals are likely to be due to naturally-occurring conditions. Low to non-detectable concentrations of cyanide, silver, cadmium, and nickel were detected. No pesticides or PCBs were detected in any of the wells.



In November 1992, the shallow monitoring wells (MW-1 through MW-4) were resampled by the NYSDEC contractor and analyzed for TCL VOCs and SVOCs, TAL metals, and cyanide. The results show that no VOCs, SVOCs, or TICs were detected in any of the wells above the NYSDEC Class GA standards or guidance values. Numerous metals were detected above the natural ambient groundwater ranges. However, only iron (filtered), lead (unfiltered), manganese (filtered and unfiltered), and zinc (unfiltered) exceeded the Standards. No detectable concentrations of cyanide, silver, or cadmium were noted and only low concentrations of nickel were detected.

Due to inconclusive results from NYSDEC's May and November 1992 sampling rounds, a third sampling effort was performed by the NYSDEC contractor via Geoprobe to collect groundwater samples from varying depths and locations within the aquifer for on-Site analysis using a mobile laboratory. Groundwater samples were obtained from three shallow monitoring wells (MW-1 through MW-3) prior to the Geoprobe investigation. Sixteen additional groundwater samples were collected from six Geoprobe points throughout the Site. The groundwater samples were analyzed for selected VOCs by the mobile laboratory. No VOCs were detected in any of the three monitoring wells above quantitation limits. Samples were obtained from six depths (60, 50, 40, 30, 20, and 10 feet below grade) at Geoprobe locations GP-1 and GP-2. No VOCs were detected in any of the samples obtained at GP-1. The 10 to 12-foot interval from point GP-2 contained concentrations of trichloroethane, 1,2-dichloroethene, and 1.1dichloroethane exceeding Standards. Ethylbenzene, toluene, xylenes, and vinyl chloride also exceeded the Standards. The 60 to 62-foot interval contained trichloroethene and 1,2-dichloroethane at concentrations slightly above the Standards. The other four intervals at GP-2 contained no detectable concentrations of VOCs. Therefore, the Geoprobe vertical profiling indicated that groundwater impacts at the Site are, in general, limited to the shallow groundwater. Also, there is no evidence to date of a

release of dense non-aqueous phase liquid and, therefore, it appears that the plume consists solely of dissolved VOCs. The Long Island Regional Planning Board's "208 Study" has characterized the Site and vicinity as within Hydrogeologic Zone VII, which is a groundwater discharge area or an area of an upward vertical component of flow which would further inhibit the downward migration of dissolved contaminants.

The remaining four Geoprobe points (GP-3 though GP-6) were sampled at the 10 to 12-foot interval only. Groundwater samples from the following Geoprobe points contained concentrations of selected VOCs in exceedance of Standards: GP-3, tetrachloroethylene and trichloroethene; GP-4, tetrachloroethylene; GP-5, tetrachloroethylene and trichloroethene; and GP-6, tetrachloroethylene and trichloroethene.

Two surface water samples were collected by the NYSDEC contractor from Neguntatogue Creek to determine if groundwater contamination had migrated from the Site to the creek. The samples were analyzed for TCL VOCs and SVOCs, TAL metals, and cyanide. The NYSDEC contractor reported that "Low levels of several VOCs (tetrachloroethene, trichloroethene, 1,2-dichloroethene, 1,1,1-trichloroethane, and 1,1-dichloroethane) were detected. However, these results were inconclusive as to the source of the low-level VOC contamination due to the selection of sampling locations and the similarity in the concentrations detected. No significant SVOC or metals contamination was detected in either surface water sample."

One water sample was collected from the active industrial leaching pool and analyzed for TCL VOCs, SVOCs, pesticides/PCBs, TAL metals, and cyanide. The cooling water discharge samples obtained from the leaching pool were compared to the Standards. The results showed that the trichloroethane concentration and the estimated volatile TIC concentration exceeded their respective

Standard and guidance value. No SVOCs exceeded the Standards, however, one TIC exceeded the NYSDEC guidance value. The metals iron and manganese exceeded the Standards for groundwater. One sediment sample was collected from the same leaching pool and analyzed for the same parameters and EP Toxicity metals. Numerous constituents were detected in the leaching pool sediment, however, all were detected at trace concentrations.

The results of the LMS investigations indicated that a VOC plume is present in the shallow groundwater beneath the Site. LMS recommended that the Site be classified as a Class 2 (significant threat to public health or environment) IHWDS and that an RI be implemented to delineate the extent and magnitude of the contamination present. Recommendations for the RI included a source investigation, additional groundwater investigation, additional surface water sampling, and an area well inventory.

FPM performed a soil and groundwater investigation at the Site in October, 1994. Four soil samples were obtained and analyzed for VOCs and metals. The chemical analytical results indicated that soil in the vicinity of the area where empty drums were stored may be a source for VOC groundwater contamination at the Site and that minor amounts of VOCs have been released to the soil in the vicinity of the area north of the building and may be contributing to groundwater contamination.

Two groundwater wells were also installed and sampled during this investigation. The chemical analytical results showed exceedances of the Standards for VOCs. The groundwater results show that solvents, primarily tetrachloroethylene, are present in the groundwater beneath the Site.

Based on the results of this investigation, FPM recommended additional investigation to determine the extent of soil contamination and an additional groundwater investigation to confirm the groundwater flow direction, evaluate the concentrations of groundwater contaminants at the downgradient edge of the

Site, and evaluate potential impacts to downgradient resources. The recommended additional investigation was performed as an RI.

The RI included a geophysical investigation, soil and sediment sampling, groundwater monitoring well installation and sampling, and Geoprobe groundwater sampling. Based on the geophysical investigation 13 leaching pools (LP-1 through LP-8 and LP-11 through LP-14), one former septic tank, and one catch basin associated with a former roof drain (LP-9) were identified. Sediment samples from leaching pools LP-1 through LP-14 were obtained for the purpose of evaluating potential on-Site sources of soil and/or groundwater contamination and to determine whether remediation of the leaching pools was warranted. Sediment that appeared to be impacted based on visual observations or photoionization detector (PID) readings was encountered in most of the leaching pools examined. TCL VOCs and/or total VOCs exceeded the NYSDEC Recommended Soil Cleanup Objectives (TAGM-4046 Objectives) in LP-1, LP-3, LP-8, LP-11, LP-12, LP-13, and LP-14. Exceedances of the Objectives for select metals (arsenic, chromium, copper, lead, and zinc) were detected in all of the leaching pool sediment samples. Based on the groundwater chemical analytical data (discussed below), it was recommended that the leaching pools exhibiting exceedances of the Objectives for VOCs be remediated. This remediation would also address the leaching pools with the highest metals concentrations.

Two sediment samples were collected from two locations within a former drum storage area at the Site. Both soil samples appeared to be impacted on the basis of visual or PID data. Low concentrations of two VOCs were detected in these samples, however, none of the detected concentrations exceeded their respective Objectives. None of the detected concentrations of select metals exceeded their respective Objectives with the exception of zinc and copper at both locations. No remediation was recommended for these soils since metals contamination of groundwater does not appear to be an issue at this Site.

Two groundwater monitoring wells (MW-10 and MW-11) were also installed at the Site during the RI. Water level data obtained from all of the Site wells indicate that the groundwater flow direction is toward the east and east-southeast in the center of the Site. Groundwater samples were obtained at the newly-installed wells and at the previously-existing monitoring wells designated in the RI work plan. The groundwater monitoring well results show that the two wells with the highest concentrations of total VOCs are MW-8 and MW-9. Detected VOCs in the groundwater include tetrachloroethene and its breakdown products as well as relatively minor amounts of benzene, toluene, chlorobenzene. Both of these wells are located in the central portion of the Site and to the east of the Site building. In addition, both of these wells appear to be downgradient of the leaching pools at the Site. Therefore, it was concluded that the groundwater has been impacted by VOCs as a result of the leaching pools. MW-11, which was installed as an upgradient well, did not show any detections of TCL VOCs; only one tentatively-identified compound was detected. One or more of the select metals were detected in all of the groundwater samples. However, only one detection, chromium at well MW-9, exceeded the Standard and the exceedance was minor.

After determining the groundwater flow direction and evaluating the well sampling data, four Geoprobe groundwater samples were obtained to evaluate the extent of VOC groundwater contamination downgradient of wells MW-8 and MW-9. These samples were obtained along the east Site boundary and indicate that VOC groundwater contamination decreases downgradient of the Site source area. The highest concentration of total VOCs, 880 ug/l, was detected at GP-9 which is located downgradient of well MW-9 and approximately 30 to 50 feet from Neguntatogue Creek.

Based on the results of the RI, it was concluded that elevated concentrations of several TCL VOCs are present at several Site sampling locations, including wells MW-2, MW-8, and MW-9 and the

additional Geoprobe locations GP-7, GP-8, GP-9, and GP-10. The samples exhibiting exceedances of the Standards for VOCs are all located downgradient of the leaching pools. The available data also suggest that groundwater VOC concentrations decrease downgradient of the Site source area, although potential dilution effects associated with the longer screened intervals of the wells in comparison to the shorter sample intervals from the Geoprobe locations may affect the data. Finally, an evaluation of the deep and shallow well results indicates that the VOC impact is confined to the shallow groundwater beneath the Site and highly elevated VOC concentrations that would suggest the present of dense non-aqueous-phase liquid (DNAPL) are not present.

An assessment of possible human and environmental exposure to contaminants found at the Site was performed during the RI. This assessment examined possible human exposure through ingestion, inhalation, and dermal contact. Ingestion or dermal contact with VOC and metal-impacted leaching pool sediment was evaluated to be highly improbable since the contaminated sediment is located at the base of leaching pools within an access-restricted (fenced) area of the Site. The possibility of inhalation exposure is also improbable as no odors, PID readings, or dust was noted at the commencement of the field investigation, indicating that volatilization and/or mass-transport of the contaminants in the sediment is not occurring. Although the potential for exposure to sediment contaminants is negligible, remediation of most of the leaching pools was recommended to prevent potential contaminant migration.

A survey of potential public and private supply wells within one mile downgradient of the Site was conducted to evaluate the potential presence of groundwater receptors. This review indicated that no public water supply wells are located within one mile downgradient of the facility. Information from the NYSDEC database of Long Island wells indicates that no non-public water supply wells are present within one mile of the Site. Based on the results of a visual inspection and information from the Suffolk County

Water Authority, residences and other buildings located within one mile downgradient of the Site are confirmed to be connected to public water supplies.

Due to the groundwater flow direction at the Site, there does not appear to be a potential for groundwater contaminants which may be present at the Site to impact potable water supplies at any residences or other buildings located within one mile of the Site. Due to the fact that no public or private supply wells have been identified within one mile downgradient of the Site, the probability of ingestion of VOC-impacted groundwater is negligible. Similarly, the probability of inhalation or dermal contact is negligible.

Based on the results of the RI, remediation of the VOC-impacted leaching pools was recommended to reduce the potential for impacts to groundwater and Neguntatogue Creek. Additional investigation, including installation and sampling of two downgradient groundwater monitoring wells adjacent to Neguntatogue Creek and sampling of Neguntatogue Creek, was also recommended. The scope of work for remediation and additional investigation was detailed in the August, 1999 IRM Work Plan. The NYSDEC, in a September 15, 1999 letter, also required soil sampling in the vicinity of leaching pool LP-14. The IRM remediation and investigation results are presented in the following section.

## SECTION 3.0 INTERIM REMEDIAL MEASURES AND INVESTIGATION

The results of the IRM remediation and investigation, including the quality assurance/quality control procedures, are presented in this section. Remediation and investigation activities were conducted in October and November, 1999 and January 2000.

## 3.1 Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures are described in this section. These procedures include environmental sample collection and management procedures and QA/QC sample collection, analysis, and evaluation.

## 3.1.1 Sample Packaging and Shipment

All samples were transmitted via overnight courier to Severn-Trent Laboratories, a NYSDOH ELAP-approved laboratory. All samples were analyzed by NYSDEC ASP methods with Category B deliverables. The filled and labeled sample bottles were placed in a laboratory-supplied cooler and packed with ice to depress the temperature to four degrees Celsius.

For each day of sampling, a chain-of-custody form was completed and was submitted to the laboratory with the samples to document the sequence of sample possession. A copy of the chain-of-custody form was retained by FPM. The chain-of-custody forms include the project name, FPM's internal project number, the sampler's signature, and the locations, intervals, and analysis parameters requested.

## 3.1.2 Quality Assurance/Quality Control Samples

Several types of QA/QC samples were obtained during the soil and groundwater sampling. One equipment blank sample was prepared for each equipment type and each matrix type for each day of sampling. The equipment blanks were prepared by pouring laboratory-supplied deionized water through



the sampling apparatus and capturing the liquid in the appropriate sample bottles. The equipment blank samples were tested for the same parameters as the associated matrices. The equipment blank sample results were evaluated to determine the potential for either laboratory or field contamination and attest to the quality of the equipment decontamination procedures.

Equipment blank sample results are presented in Table 3.1.2.1 and the laboratory chemical analytical data are included in Appendix A. Low concentrations of methylene chloride, acetone, and 2-butanone were detected in most of the equipment blank samples and, in the case of one sample, a low concentration of chloroform was detected. In addition, the acetone and 2-butanone detections are B-qualified, indicating that these analytes were detected in the laboratory blank samples. These data indicate that similar low concentrations of methylene chloride, acetone, and/or 2-butanone detected in the associated primary environmental samples may have resulted from either laboratory or field contamination. Since chloroform was not detected in any of the primary environmental samples, it does not appear that potential field or laboratory contamination by chloroform has affected the environmental samples.

Several of the equipment blank samples were also analyzed for metals. Low concentrations of zinc were detected in each of the equipment blank samples and a low concentration of copper was also detected in one equipment blank sample. Each of these detections was below the contract-required detection limit but above the instrument detection limit. These data suggest that similar low detections of zinc and copper in the associated primary environmental samples may have resulted from either field or laboratory contamination and are not necessarily representative of environmental contamination.

Blind duplicate samples were collected for each of the matrices sampled, including two soil samples, one groundwater sample, and one surface water sample. The blind duplicate samples were



## TABLE 3.1.2.1 SUMMARY OF CHEMICAL ANALYTICAL RESULTS QUALITY ASSURANCE/QUALITY CONTROL SAMPLES CARDWELL CONDENSER SITE LINDENHURST, NEW YORK

Sample Type Equipment Blanks							Trip Blanks											
Sample No.	EB-1	EB-2	EB-i	MW-13E	EB-5	Downstream	Downstream (duplicate)	LP-15	LP-150 (duplicate)	LP-15	LP-150 (duplicate)	MW-12A	MW-12C (duplicate)	TB-1	TB-2	Trip Blank-1	MW-13T	TB-5
Sample Date	11/8/99	11/9/99	11/15/99	1/5/00	1/19/00	11/8/99	11/8/99	11/8/99	11/8/99	1/19/00	1/19/00	1/5/00	1/5/00	11/8/99	11/9/99	11/15/99	1/5/00	1/19/00
Target Compound List Volatile Organic Compounds in micrograms per liter						micrograms per kilogram				micrograms per liter		micrograms per liter						
Methylene chloride	0.8 J	18.0	3 J	U	U	0.6 J	0.6 J	5,800 JB	93 J	1 J	2 J	U	U	1 J	2 J	0.6 J	0.7 JB	U
Acetone	5 JB	4 JB	3 JB	υ	U	5 JB	4 JB	11,000 JB	1,100 JB	6 JB	17 B	U	U	4 JB	2 Љ	7 JB	U	U
1,1-Dichloroethane	υ	U	U	U	U	0.4 J	0.4 J	U	U	U	U	U	U	Ü	U	U	U	U
1,2-Dichloroethene (total)	U	U	υ	U	Ū	2 3	2 J	U	290 J	14	2 J	3 J	4 J	U	U	U	U	U
2-Butanone	2 JB	2 Љ	4 JB	U	Ū	2 JB	3 JB	4,500J	1,500 B	3 J	3 J	U	U	2 Љ	2 JB	4 JB	U	U
1,1,1-Trichloroethane	U	U	U	U	U	0.5 J	0.5 J	8,000 J	1,200 J	U	U	U	U	U	U	U	U	U
Trichloroethene	U	U	Ü	U	U	3 J	3 J	14,000 J	1,900	4 J	0.9 J	8 J	U	U	U	U	U	U
Tetrachloroethene	U	U	U	υ	U	2 J	2 J	300,000	18,000	76	16	270	260	U	U	U	U	U
Xylene (total)	U	υ	U	Ū	Ū	0.3 J	0.3 J	U	660 J	0.3 J	U	U	U	0.3 J	U	U	U	U
Chloroform	υ	U	15	U	U	Ū	U	U	U	υ	υ	U	U	U	U	U	U	U
Toluene	U	U	U	U	U	U	U	2,400 J	350 J	0.4 J	0.4 J	0.5 J	U	U	U	U	U	υ
cis-1,3-Dichloropropene	υ	U	U	U	U	Ū	U	Ų	U	U	U	U	81	U	U	U	U	U
Ethylbenzene	U	U	U	Ų	U	U	Ų	U	160 J	U	U	0.6 J	U	U	U	Ü	U	U
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	U	U	U	2 J	υ	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U	Ű	U	U	U	0.7 J	U	U	υ	U	Ū	U
Styrene	U	U	U	U	U	U	Ü	U	υ	Ų	U	0.4 J	U	U	Ū	Ŭ	Ü	υ
Benzene	U	U	υ	U	U	U	บ	U	U	0.5 J	0.4 J	U	U	υ	U	U	Ū	1 J
Select Metals in microgran	Select Metals in micrograms per liter						milligrams)	ver kilogram	<del></del>	micrograms per liter		micrograms per liter						
Arsenic	υ	U	υ	•	U	-	-	1.4	U	U	U	-	Ĭ -	-	-		-	-
Chromium	U	U	U	_	IJ	-	-	10.1	1.9	9.5	9.3	-		•	-		-	-
Copper	Ū	U	U		6.1 B	-	-	530	86.6	14.3	15.3	-		~	-	-		-
Lead	Ŭ	υ	U	-	U	-	٠	134	41.0	1.4	1.5	-	-	-	-	-	-	-
Zinc	11.5 B	5.6 B	3.6 B		4.3 B	-	-	713	500	15.1	13.7		t	-				

#### Notes

U = Not detected at or above instrument detection limit.

J = Estimated concentration less than the quantitation limit but greater than zero.

= Not analyzed.

B = For volatile organic compounds, compound detected in an associated blank sample.

For metals, detected concentration was between the instrument detection limit and the contract-required detection limit.



analyzed for the same constituents as their associated parent samples and the results were evaluated to determine the precision of the laboratory analysis.

Blind duplicate sample results are presented in Table 3.1.2.1 together with the results from their associated parent samples. The laboratory chemical analytical data are included in Appendix A. The results from the blind duplicate surface water sample (downstream-D) and groundwater sample (MW-12C) are very similar to those from the parent samples (downstream and MW-12A, respectively). These data attest to the analytical precision of the laboratory. The results of the blind duplicate soil samples (LP-150) are generally lower than those from the primary samples (LP-15), although the analytes detected are generally the same. These data likely reflect the generally non-homogeneous nature of soil samples and do not indicate a lack of analytical precision by the laboratory.

A trip blank sample was submitted with each cooler containing samples for VOC analysis. Trip blank samples consist of filled, preserved, and unopened vials of laboratory water which are kept with the unfilled sample bottles and transported to the laboratory with the filled sample bottles in the coolers. The purpose of the trip blank samples is to provide an indication of the potential for cross-contamination of the VOC samples within the coolers.

Trip blank sample results are presented in Table 3.1.2.1 and the laboratory chemical analytical data are included in Appendix A. Low concentrations of methylene chloride, acetone, and/or 2-butanone were detected in most of the trip blank samples. In the case of one sample, xylene was also detected at a low concentration and, in the case of another sample, benzene was also detected at a low concentration. In addition, the acetone, 2-butanone, and/or methylene chloride results are B-qualified, indicating that these analytes were also detected in laboratory blank samples. These results indicate that similar low concentrations of methylene chloride, acetone, and/or 2-butanone detected in the primary environmental

samples may have resulted from cross-contamination within the coolers or from field or laboratory contamination. In the case of samples collected on November 8, 1999 and January 19, 2000, it is possible that low concentrations of xylene or benzene, respectively, detected in these samples may have resulted from cross-contamination within the coolers or from field or laboratory contamination.

Matrix spike/matrix spike duplicate (MS/MSD) samples consist of field samples spiked with known concentrations of the analytes of interest for the purpose of assessing the effect of the matrix on the reliability of the analytical results. Spiking occurs in the laboratory prior to sample preparation and analysis. One MS/MSD sample was collected per matrix per analytical group.

The MS/MSD results are included in the chemical analytical data packages in Appendix A. Based on information provided by the analytical laboratory, all of the MS/MSD results were within QC limits with the exception of the QC sample associated with the groundwater samples. The percent recovery for the spike compounds carbon disulfide, vinyl acetate, and 2-butanone were outside of criteria limits for this QC sample. Since none of these compounds are of significance with respect to groundwater contamination at this Site, these QC sample results do not present a significant concern. The only issue regarding matrix interference was identified during soil VOC monitoring of compound recoveries. Matrix interference was associated with the LP-3 end-point sample collected on November 9, 1999. This sample was re-extracted and analyzed twice due to the initial results having a surrogate compound out of recovery criteria. Both sets of results exhibited the effects of matrix interference. The initial results are reported in Table 3.2.1 since they are generally higher than the re-extraction results. However, since additional sediment was subsequently removed from this leaching pool and a subsequent end sample obtained, the initial (November 9, 1999) sample results are irrelevant.

Other laboratory QA/QC samples include method blank samples. The results from these samples are reviewed by the laboratory in their evaluation of the data packages. This review indicates that low concentrations of acetone and 2-butanone were detected in most of the method blank samples. In one case, a low concentration of 4-methyl-2-pentanone and an elevated concentration of methylene chloride were detected, and in another case, low concentrations of 2-hexanone and xylene were detected. The sample results associated with the method blank detections have been B-qualified, indicating the potential for these samples to be impacted by laboratory contamination.

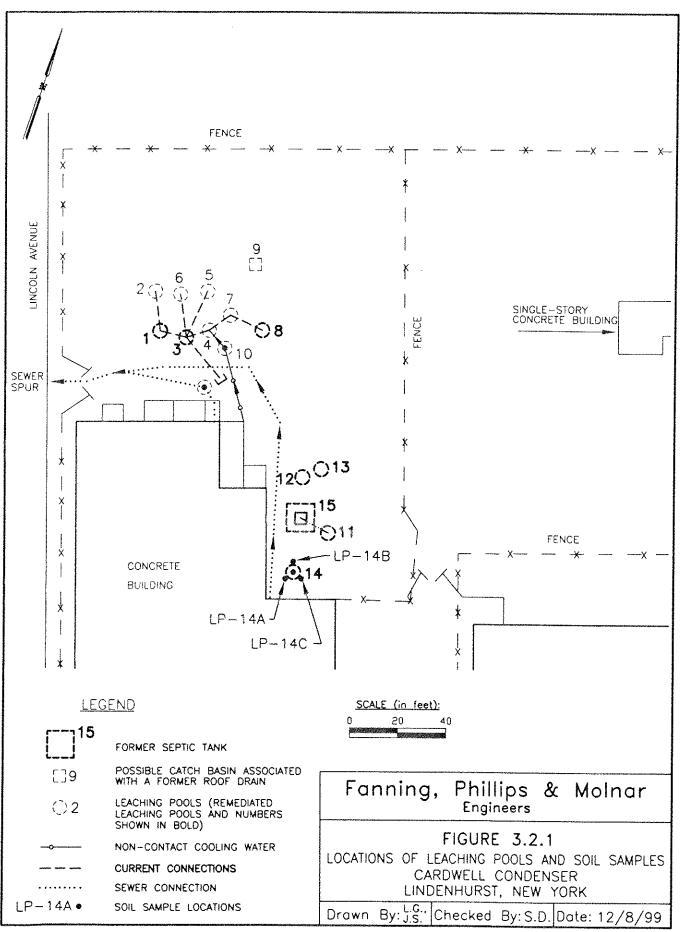
In summary, based on the results of the QA/QC samples, the chemical analytical data from the soil and water samples collected during the investigation and following remediation may generally be relied on. However, low concentrations of methylene chloride, acetone, 2-butanone, and several other VOCs and low concentrations of zinc or copper may be associated with field or laboratory contamination. Therefore, these compounds, where detected at similar low concentrations, may not be present.

## 3.2 Sediment Removal and Soil Sampling

Chemical analytical results from leaching pool sediment samples collected during the RI indicated that leaching pools LP-1, LP-3, LP-8, LP-11, LP-12, LP-13, and LP-14 contained exceedances of the Objectives for VOCs and/or metals. Leaching pool locations are shown on Figure 3.2.1. Leaching pools LP-6 and LP-9 were not recommended to be remediated. Neither of these pools exhibited elevated concentrations of VOCs and only very minor exceedances of the Objectives were noted for copper and zinc. The NYSDEC accepted these conclusions in a letter to FPM dated December 9, 1998.

For the seven impacted leaching pools, it was proposed to excavate the impacted leaching pool sediments and transport the sediments for disposal at an off-site facility. Remediation commenced on November 8, 1999 and the majority was completed on November 9, 1999. Mr. Robert H. Filkins, an





engineering geologist with the NYSDEC was present on both days to observe the remediation. Based on preliminary end-point sample chemical analytical results, additional remediation of two leaching pools, LP-1 and LP-3, was performed on November 15, 1999 and on January 19, 2000.

In general, at each leaching pool to be remediated, the interior of the pool was accessed by removing the slab covering the pool and the impacted sediments were removed with a backhoe. Removed sediments were stockpiled on plastic sheeting in the vicinity of each leaching pool and liquids associated with the sediments were permitted to drain back into the leaching pool from which they originated. After the liquids had drained sufficiently for the excavated materials to be handled, the materials were moved to an on-Site stockpile which was underlain by plastic sheeting. This stockpile was removed from the Site and properly disposed following remediation. Copies of the waste disposal manifests are included in Appendix B.

Excavation at each leaching pool continued until either visibly-clean native materials were encountered or until the leaching pool was determined to have a potential for collapse. In two cases, LP-14 and LP-15 (which is the septic tank connected to LP-11), proximity of the excavation to the existing Site building foundation initially limited further excavation. In the case of LP-15, additional excavation of impacted material was performed in November, 1999. However, no endpoint sample was collected at that time due to the instability of the excavation and the proximity of the excavation to the Site building. An end-point sample was collected from the former LP-15 location on January 19, 2000 when a portion of the backfill was removed and native material underlying the backfill was sampled.

In general, following completion of the excavations, an end-point soil sample was collected from each leaching pool and analyzed for the constituents of concern: TCL VOCs and select metals (arsenic, chromium, copper, lead, and zinc). Each end-point sample was obtained from the final backhoe bucket



of sediment/soil removed from the leaching pool and was transferred to laboratory-supplied sample jars using a dedicated sampling spoon. The filled sample jars were labeled and the labeled jars were placed in a cooler with ice to depress the sample temperature to four degrees Celsius. A chain of custody form was completed and kept with the filled cooler to document the sequence of sample possession. The filled coolers were transmitted via overnight courier to Severn-Trent Laboratories, a NYSDOH ELAP-approved laboratory. All samples were analyzed by NYSDEC ASP methods with Category B deliverables. The sample results are discussed below.

Based on conversations with the on-site NYSDEC representative, no groundwater sampling was performed at locations where groundwater was encountered during sediment removal since the impacted sediments which were being removed were mixed with the water in the leaching pools during the removal process. The results of the groundwater sampling from wells and Geoprobe sampling points were determined to be more representative of subsurface groundwater conditions at the Site.

Clean fill was placed to grade in each leaching pool for structural stabilization following remediation. The fill placed in leaching pools LP-1 and LP-3 was temporarily removed during the additional remediation performed on November 15, 1999 and on January 19, 2000. The fill placed in LP-15 was also temporarily removed on January 19, 2000 for the purpose of endpoint sampling. This fill was stockpiled separately during the additional remediation process and was replaced into these leaching pools following the additional remediation.

Prior to remediation of LP-14, soil sampling was performed at three locations (LP-14A through LP-14C) surrounding the perimeter of the LP-14 structure as required by the NYSDEC. Each soil sample was obtained from four to six feet below grade (approximately 0 to 2 feet above the water table). A backhoe was used to excavate and obtain the soil sample at each location. At the first sampling location,



the depth to groundwater was first determined by excavation prior to sampling. Subsequent samples were obtained at the same depth as the first sample. The samples were obtained and managed in the same manner as described above for the leaching end-point samples. However, these samples were analyzed for TCL VOCs only.

The results for the leaching pool end-point samples are summarized in Table 3.2.1 and the chemical analytical laboratory reports are included in Appendix A. These data indicate that the leaching pool remediation was successful on the initial attempt for leaching pools LP-8, LP-11, LP-12, LP-13, and LP-14. In each of these cases, the VOC-impacted sediments were removed to the extent that none of the VOCs detected in the end-point samples exceeded the Objectives. Metals contamination was also significantly reduced in these leaching pools. Following remediation, none of the detected metals concentrations exceeded the Objectives with the exception of a slightly elevated concentration of copper in LP-8 and a moderately elevated concentration of zinc in LP-12. As previously discussed, the metals concentrations do not appear to be impacting groundwater and, since the metals concentrations have been significantly reduced in comparison to their initial concentrations, no further work is recommended for these leaching pools.

At LP-1 and LP-3, VOC and metals concentrations were significantly reduced from their initial levels during the first remediation event on November 9, 1999. VOC and metals concentrations were also further reduced at LP-1 following the second remediation event on November 15, 1999. However, concentrations of several VOCs and metals remained above the Objectives following the second remediation event at both LP-1 and LP-3. Therefore, on January 19, 2000 additional soil was removed from beneath both LP-1 and LP-3. Following this remediation event, VOC and metals concentrations were considerably reduced. In the case of LP-1, several VOC concentrations and copper remain slightly

## TABLE 3.2.1 SUMMARY OF CHEMICAL ANALYTICAL RESULTS LEACHING POOL END-POINT SAMPLES CARDWELL CONDENSER SITE LINDENHURST, NEW YORK

Sample No.	le No. LP-1			LP-3		LP-8	LP-11	LP-12	LP-13	LP-14	LP-15		NYSDEC Recommended	
Sample Date	11/9/99	11/15/99	1/19/00	11/9/99	11/15/99	1/19/00	11/9/99	11/8/99	11/8/99	11/8/99	11/8/99	11/8/99	1/19/00	Soil Cleanup Objectives
Target Compound List Volatile Organic Compounds in micrograms per kilogram														
Chloromethane	6,200 J	ט	U	U	U	U	U	U	U	U	U	U	U	~
Methylene chloride	1,100 JB	450 J	U	220 JB	230 J	2 J	1.J	U	IJ	1.1	1.J	5,800 JB	l J	100
Styrene	บ	υ	υ	U	280 J	U	U	U	U	U	U	ט	U	_
Acetone	11,000 JB	2,300 B	610 J	710 JB	2,800 B	U	12	9 JB	35 B	8 JB	27 B	11,000 JB	6 JB	200
1,1-Dichloroethane	Ü	U	U	ប	U	U	U	U	0.5 J	U	0.6 J	υ	U	200
1,2-Dichloroethene (total)	U	U	U	U	U	U	U	U	1.1	IJ	3 J	U	14	300
2-Butanone	6,100 J	1,600	2,500	1,400	1,800	U	2 J	2 J	4 J	U	3 J	4,500 J	3 J	300
1,1,1-Trichloroethane	U	U	U	U	Ų	U	U	U	12	2.1	7 J	8,000 J	υ	800
Trichloroethene	U	U	U	Ü	U	U	3 J	0.6 J	9.1	2 J	10 J	14,000 J	4 J	700
Tetrachloroethene	240,000	19,000	3,500	5,600	15,000	4 J	48	2 J	67	26	210	300,000	76	1,400
Toluene	υ	U	U	U	U	0.5 J	0.5 J	υ	2.3	U	0.5 J	2,400 J	0.4 Ј	1,500
Carbon disulfide	U	U	U	U	U	U	U	U	U	2.5	U	U	U	2,700
4-Methyl-2- pentanone	Ū	U	U	U	U	U	1 J	U	U	υ	U	U	U	1,000
Ethylbenzene	U	U	U	U	Ŭ	U	U	Ū	IJ	U	U	U	U	5,500
Xylene (total)	U	U	U	U	U	U	U	U	3 J	U	U	U	0.3 J	1,200
Benzene	U	Ü	U	U	U	0.2 J	U	U	U	U	U	U	0.5 J	60



## TABLE 3.2.1 (CONTINUED) SUMMARY OF CHEMICAL ANALYTICAL RESULTS LEACHING POOL END-POINT SAMPLES CARDWELL CONDENSER SITE LINDENHURST, NEW YORK

Sample No.	Sample No. LP-1		LP-3			LP-8 LP-	LP-11	LP-12 LP-13	LP-13	LP-14	LP-15		NYSDEC Recommended	
Sample Date	11/9/99	11/15/99	1/19/00	11/9/99	11/15/99	1/19/00	11/9/99	11/8/99	11/8/99	11/8/99	11/8/99	11/8/99	1/19/00	Soll Cleanup Objectives
Select Metals in milligrams	per kilogram		~	- constitution of the cons										
Arsenic	U	U	0.75 B	U	U	U	υ	U	U	U	U	1.4	U	7.5
Chromium	38.2	20.0	20.6	22.3	48.7	32.0	12.4	32.4	1.6	1.0 B	7.4	10.1	9.5	50
Copper	236	121	55.1	759	916	61.0	26.3	18.5	10.8	16.8	11.8	530	14.3	25
Lead	19.0	10.8	4.5	34.5	84.7	4.9	5.4	2.0	4,0	U	Ŭ	134	1,4	200-500*
Zinc	111	59.8	13.2	266	456	16,2	18.7	10.7	53.8	8.0	14.7	713	15.1	20

#### Notes:

- U = Not detected at or above instrument detection limit.
- J = Estimated concentration less than the quantitation limit but greater than zero.
- B = For volatile organic compounds, compound detected in an associated blank sample. For metals, detected concentration is above the instrument detection limit and below the contract-required detection limit.
- = Not established.
- = Average background levels for lead in metropolitan or suburban areas near highways typically range from 200 to 500 milligrams per kilogram.

NYSDEC = New York State Department of Environmental Conservation.

Bold values exceed NYSDEC Recommended Soil Cleanup Objectives.



elevated above the NYSDEC Objectives. However, since the concentrations have been significantly reduced relative to the initial concentrations, and since the LP-1 structure has collapsed, making further soil removal impractical, no further remediation work is recommended for LP-1.

In the case of LP-3, VOC concentrations were all reduced below the Objectives. Metals concentrations are also considerably reduced, although the copper concentration remains slightly above the Objective. No further work is recommended for this leaching pool.

At LP-15, several VOC and metals concentrations remained elevated following the first remediation event. Therefore, additional material was removed. On January 19, 2000 backfill placed in the completed excavation was removed so that an endpoint sample could be collected to document the condition of the soil remaining after the second remediation event. Following the second remediation event, VOC and metals concentrations were all reduced to below Objectives. Based on these results, no further work is recommended for leaching pool LP-15.

The results for the soil samples collected from the outside perimeter of leaching pool LP-14 are summarized in Table 3.2.2 and the chemical analytical laboratory data are included in Appendix A. Although low concentrations of several VOCs were detected, no exceedances of the Objectives were noted for any of these soil samples. These data indicate that significant VOC-impacted soil does not appear to be present outside of the leaching pool structures in the vicinity of the water table. The highest concentrations of VOCs were detected in the LP-14C sample which was obtained from the downgradient side of the leaching pool. These results are consistent with the expected behavior of VOC contaminants in the vicinity of leaching pools; the contaminants are anticipated to migrate downward until the water table is encountered and are then anticipated to migrate downgradient with the groundwater flow. Based on these data, no further investigation of the soil outside of the leaching pool structures is recommended.



## TABLE 3.2.2 SUMMARY OF CHEMICAL ANALYTICAL RESULTS LP-14 PERIMETER SOIL SAMPLES CARDWELL CONDENSER SITE LINDENHURST, NEW YORK

Sample No.	LP-14A	LP-14B	LP-14C	NYSDEC							
Sample Depth (feet)	4 to 6	4 to 6	4 to 6	Recommended Soil Cleanup Objectives							
Target Compound List Volatile Organic Compounds in micrograms per kilogram											
Methylene chloride	2 J	1 J	1 J	100							
Acetone	15 B	14 B	17 B	200							
2-Butanone	U	2 Ј	U	300							
Trichloroethene	2 J	2 Ј	3 J	700							
Tetrachloroethene	17	4 J	130	1,400							
Toluene	0.5 J	0.5 J	0.3 J	1,500							
Ethylbenzene	U	0.4 J	0.3 J	5,500							
Xylene (total)	U	0.4 J	0.2 Ј	1,200							
1,2-Dichloroethene (total)	U	U	2 J	300							
1,1,1-Trichloroethane	U	U	3 Ј	800							

#### Notes:

U = Not detected at or above instrument detection limit.

J = Estimated concentration less than the quantitation limit but greater than zero.

B = Compound detected in an associated blank sample.

NYSDEC = New York State Department of Environmental Conservation.

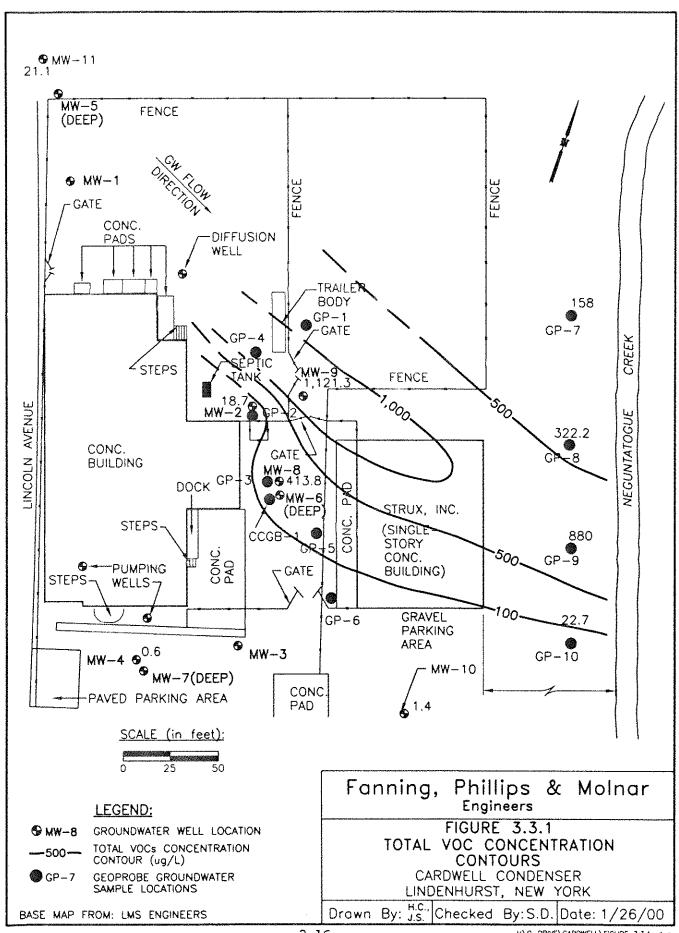


## 3.3 Groundwater Monitoring Well Installation and Sampling

The previously-obtained groundwater monitoring well and Geoprobe sampling results (Figure 3.3.1) show that the two wells with the highest concentrations of total VOCs are MW-8 (413.8 ug/l) and MW-9 (1,121.3 ug/l) and that the VOC plume axis extends to the east-southeast in the vicinity of Geoprobe location GP-9 where the concentration of total VOCs is 880 ppb. Detected VOCs in the groundwater include tetrachloroethene and its breakdown products as well as relatively minor amounts of benzene, toluene, chlorobenzene. Both of these wells and the GP-9 location are in the central portion of the Site to the east of the Site building and/or downgradient of the impacted leaching pools at the Site. Therefore, it can reasonably be concluded that the groundwater has been impacted by VOCs present in the leaching pool sediments. As discussed previously, there are no downgradient users of potable water and the removal of the source area is likely to result in a significant reduction in groundwater VOC concentrations within a relatively short period of time without the use of active remediation. Therefore, since the groundwater VOC concentrations are moderate and the source area of contamination is to be removed, natural attenuation was selected as the remediation alternative.

FPM proposed the installation of two groundwater monitoring wells to monitor the expected decrease in VOC concentrations. Wells MW-12 and MW-13 were installed on December 16, 1999 approximately 15 feet north and 15 feet south, respectively, of groundwater sample location GP-9. Each well was installed using the hollow-stem auger method to advance the borehole to approximately 10 feet below the water table. A two-inch diameter Schedule 40 PVC monitoring well with a 15-foot-long 0.02-inch slotted screen was installed in each borehole. The bottom of the screens were capped with threaded end caps and the top of each well casing was capped with a locked expansion-fit plug. The screens were installed to extend approximately 10 feet below and two to three feet above the water table. A sufficient





length of two-inch diameter Schedule 40 PVC well casing was attached to the top of each screen to bring the top of each well to grade. Each borehole annulus was backfilled with #2 Morie well gravel from approximately one foot below the bottom of the screen to one foot above the top of the screen. An approximately one-foot-thick layer of bentonite was placed above the top of the well gravel and hydrated to form a seal. The balance of the well annulus was backfilled with cement/bentonite grout and a flush-to-grade manhole cover was placed over the top of each well casing for protection.

Borehole and cutting organic vapor concentrations were monitored with a PID during the drilling process and the cuttings were examined to evaluate subsurface lithologies and potential indications of contamination. Observations were recorded on boring logs together with well construction details. Copies of the completed boring logs are included in Appendix C. No indications of contamination were noted based on the visual inspection or PID data.

The wells were developed on December 16, 1999 with a decontaminated submersible pump until the discharged water was visibly clear (turbidity less than 50 nephelometric units). Groundwater sampling was performed at the newly-installed wells on January 5, 2000. Prior to sampling, each well was purged of at least three but no more than five casing volumes of water using a decontaminated pump. Sampling was performed after the turbidity of the discharged water was less than 50 nephelometric units and the parameters pH, conductivity, and temperature had stabilized. Well purging data were recorded on well sampling forms which are included in Appendix C. Following purging, each well was sampled using a dedicated disposable bailer. The retrieved samples were transferred into laboratory-supplied sample bottles and managed as discussed above for the sediment samples. The groundwater samples were analyzed for TCL VOCs.

The results for the groundwater samples are summarized in Table 3.3.1 and the chemical analytical laboratory reports are included in Appendix A. These data indicate that low levels of several VOCs were detected at each of the well locations. However, the only VOCs that exceeded the Standards were trichloroethene (8 ug/l and 20 ug/l at wells MW-12 and MW-13, respectively) and tetrachloroethene (270 ug/l and 6 ug/l at wells MW-12 and MW-13, respectively).

The total VOC concentrations for each well were integrated with the previously-obtained groundwater VOC data and the total VOC concentration contours previously shown in Figure 3.3.1 were modified to reflect the additional data. The revised total VOC contours are shown in Figure 3.3.2. This figure indicates that the plume axis extends to the east-southeast toward the GP-9 location.

Based on the current and previously-obtained groundwater chemical analytical data, it is concluded that the source of the groundwater VOC contamination appears to be the formerly-impacted leaching pools. Since the source area has been removed, it is anticipated that groundwater VOC concentrations will be reduced over time.

Based on the horizontal groundwater gradient (i = 0.004) derived from groundwater relative elevation data collected in June, 1998 (FPM, August 1999), and the average hydraulic conductivity (k) of Upper Glacial outwash deposits in the Site area (1,100 gallons per day per square foot, USGS, 1964), the estimated linear groundwater velocity (v, where v = ki) in the vicinity of the Site is 0.6 feet per day. At this flow rate, it is estimated that groundwater in the vicinity of the remediated leaching pools will take approximately one year to travel to the vicinity of downgradient monitoring wells MW-12 and MW-13. If the effects of diffusion, dispersivity and chemical retardation are taken into account, additional time will be required for groundwater in the vicinity of wells MW-12 and MW-13 to show the effects of the leaching pool remediation.

## TABLE 3.3.1 SUMMARY OF CHEMICAL ANALYTICAL RESULTS GROUNDWATER SAMPLES CARDWELL CONDENSER SITE LINDENHURST, NEW YORK

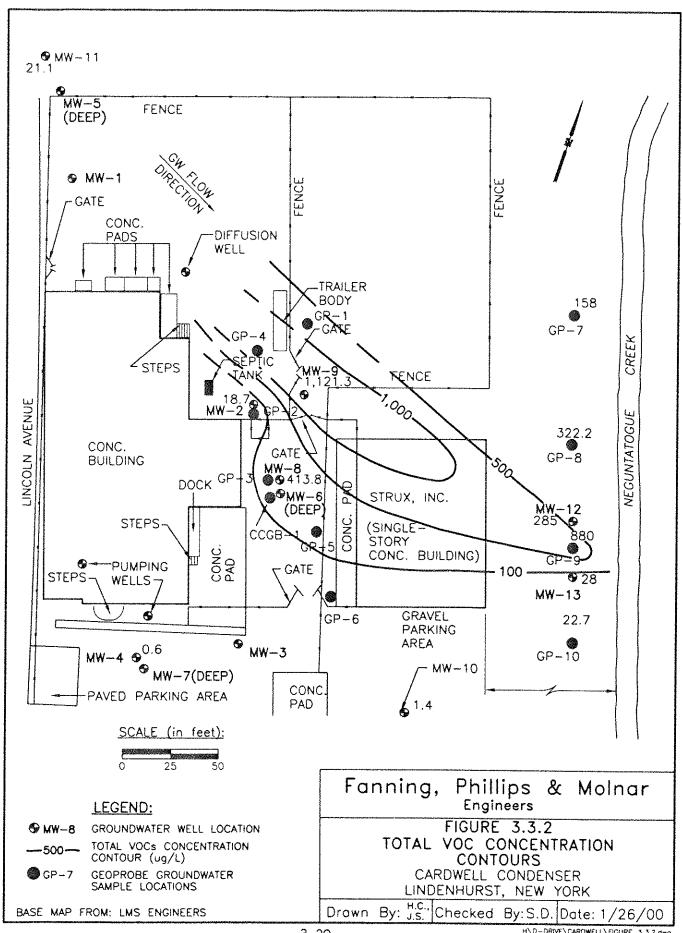
Sample No.	MW-12	MW-13	NYSDEC Class GA
Sample Date	1/5/00	1/5/00	Ambient Water Quality Standards
Target Compound List Volatile O	rganic Compound	ls in micrograms pe	r liter
Styrene	0.4 J	U	5*
Chlorobenzene	0.7 J	U	5*
Toluene	0.5 J	U	5*
1,2-Dichloroethene (total)	3 Ј	2 J	5*
4-Methyl-2-pentanone	2 J	U	50**
Trichloroethene	8 J	20	5*
Tetrachloroethene	270	6 J	5*
Xylene (total)	0.6 J	U	5*

### Notes:

- U = Not detected at or above instrument detection limit.
- J = Estimated concentration less than the quantitation limit but greater than zero.
- \* = The Principal Organic Contaminant Standard of 5 micrograms per liter applies to this constituent.
- \*\* = The general organic guidance value of 50 micrograms per liter applies to this constituent.

NYSDEC = New York State Department of Environmental Conservation.

Bold values exceed NYSDEC Class GA Ambient Water Quality Standards.



Based on the estimated groundwater flow velocity, it is proposed to sample wells MW-12 and MW-13 for VOCs on a bi-annual basis. Wells MW-8 and MW-9, located in the vicinity of the former source area, will also be sampled. If, at any time during the monitoring, the levels of VOCs are found to be sufficiently low, FPM will request the NYSDEC to allow a discontinuation of monitoring and consider de-listing the Site from the registry of IHWDS.

### 3.4 Neguntatogue Creek Sampling

Since the discharge point of the groundwater from the Site is Neguntatogue Creek, FPM proposed obtaining two surface water samples for VOCs: one upstream of the area of impacted groundwater, and one on the downstream edge of the impacted area. This information can be used to evaluate potential impacts to the creek that may be attributable to the Site. The NYSDEC was also contacted and a freshwater fisheries department representative confirmed that the portion of Neguntatogue Creek in the vicinity of the Site is classified as a Class C stream.

The proposed groundwater samples, identified as "upstream" and "downstream", were collected on November 8, 1999. The samples were collected at approximately 2:00 PM, shortly prior to low tide when the water level in the creek was low and groundwater discharge was anticipated to be at a maximum. The upstream sample was collected near the northeast Site boundary, approximately 300 feet upstream of the GP-9 sample location. The downstream sample was collected in the vicinity of the GP-9 location. The samples were collected by slowly lowering the laboratory-supplied sample bottles in the stream until the bottles were filled. The filled bottles were labeled and managed as discussed above for the sediment samples. The creek samples were analyzed for TCL VOCs.

The results for the creek samples are summarized in Table 3.4.1 and the chemical analytical laboratory reports are included in Appendix A. Low concentrations of several VOCs were detected in both the upstream and downstream samples, however, none of the detected VOCs exceeded the NYSDEC Class C Water Quality Standard. Based on the results of the QA/QC samples discussed in Section 3.1, the methylene chloride, acetone, and 2-butanone detections are likely related to field or laboratory contamination and do not appear to represent surface water contamination. All of the other analytes were detected at similar concentrations in both the upstream and downstream samples.

Based on previous sampling performed by the NYSDEC (see Section 2.3.2), low concentrations of similar VOCs have previously been detected in the creek. These data indicate that low concentrations of VOCs appear to be present in Neguntatogue Creek surface water both upstream and downstream of the Site. No significant impact to the creek appears to be attributable to the Site. This creek is located in a heavily-developed area with numerous industrial properties located upstream of the Site. Since the Site leaching pools have been successfully remediated and groundwater monitoring will be performed on a quarterly basis to track the anticipated reduction in groundwater VOC concentrations, no further monitoring of the creek is recommended.

# TABLE 3.4.1 SUMMARY OF CHEMICAL ANALYTICAL RESULTS NEGUNTATOGUE CREEK SURFACE WATER SAMPLES CARDWELL CONDENSER SITE LINDENHURST, NEW YORK

Sample No.	Upstream	Downstream	NYSDEC Class C Water
Sample Date	11/8/99	11/8/99	Quality Standards
Target Compound List Volatile O	rganic Compounds	s in micrograms per	r lite <del>r</del>
Methylene chloride	0.4 <b>J</b>	0.6 J	200
Acetone	4 JB	5 JB	-
1,1-Dichloroethane	U	0.4 J	-
1,2-Dichloroethene (total)	0.6 <b>J</b>	2 J	-
2-Butanone	2 JB	2 JB	-
1,1,1-Trichloroethane	0.4 J	0.5 J	-
Trichloroethene	0.4 J	3 J	40
Tetrachloroethene	0.8 J	2 J	-
Xylene (total)	0.3 J	0.3 J	-

### Notes:

- U = Not detected at or above instrument detection limit.
- J = Estimated concentration less than the quantitation limit but greater than zero.
- B = Compound detected in an associated blank sample.
- = Not established.

NYSDEC = New York State Department of Environmental Conservation.

### SECTION 4.0 CONCLUSIONS AND RECOMMENDATIONS

### 4.1 Leaching Pool Remediation

The leaching pools targeted for remediation, including LP-1, LP-3, LP-5, LP-8, and LP-11 through LP-15 have been successfully remediated based on the results of the end-point samples. Leaching pools LP-8, LP-11, LP-12, LP-13, and LP-14 were successfully remediated during the initial attempt and none of the VOCs detected in the end-point samples exceeded the Objectives. LP-15 was successfully remediated following the second remediation effort and none of the VOCs detected in the January 19, 2000 end-point sample exceeded the Objectives. Leaching pools LP-1 and LP-3 required three remediation efforts. For LP-3, none of the VOC concentrations detected in the January 19, 2000 end-point sample exceeded the Objectives. For LP-1, several VOC concentrations remained elevated slightly above Objectives following the third remediation effort. Since the remaining VOC concentrations are significantly reduced relative to the initial concentrations and since the LP-1 structure has collapsed, making further remediation impractical, no further remediation is recommended for LP-1. Metals concentrations in all of the remediated leaching pools were also significantly reduced. Following remediation, the VOC-impacted sediments were removed and properly disposed offsite as documented by manifests included in Appendix B. No further leaching pool remediation is recommended.

Based on the results from the three soil samples collected from the outside perimeter of leaching pool LP-14, it appears that significant VOC-impacted soil is not present outside of the leaching pool structures in the vicinity of the water table. Although low concentrations of VOCs were detected, no exceedances of the Objectives were noted for any of the soil samples. These results are consistent with the expected behavior of VOCs in the vicinity of leaching pools; the VOCs are anticipated to migrate

downward until the water table is encountered and are then anticipated to migrate downgradient with the groundwater flow. No further investigation of the soil outside of the leaching pool structures is recommended.

### 4.2 Groundwater Monitoring

Groundwater monitoring wells MW-12 and MW-13 were installed and sampled. Based on an evaluation of the previous and recent sampling results, it appears that the groundwater VOC plume extends to the east-southeast downgradient of the leaching pool area and the axis is located in the vicinity of former sampling location GP-9. The source of the VOC plume appears to be the leaching pools that have now been remediated.

It is estimated that the effects of leaching pool remediation will not be observed in downgradient monitoring wells MW-12 and MW-13 for at least a year. Based on this information, it is proposed to monitor wells MW-12 and MW-13 on a bi-annual basis. Wells MW-8 and MW-9, located near the former source area, will also be sampled. If the concentrations of VOCs are found to be sufficiently low, FPM will request that the NYSDEC allow monitoring to be discontinued and to consider delisting of the Site from the registry of IHWD sites.

### 4.3 Neguntatogue Creek

Neguntatogue Creek is classified as a Class C stream by the NYSDEC. The results of the surface water samples collected from Neguntatogue Creek at near low tide indicate that low concentrations of several VOCs were detected both upstream and downstream of the Site. None of the detected concentrations exceeds the applicable NYSDEC Standards. No significant impact to the creek appears to originate from the Site. Since the on-Site VOC sources have been remediated, VOC concentrations in groundwater are anticipated to decrease. Therefore, no further monitoring of the creek is warranted.

### 4.4 Reclassification of Site

The Site is presently classified by the NYSDEC as a Class 2 site, which is characterized as a site which presents a "significant threat to the public health or environment - action required." This classification was warranted due to the presence of contamination in the Site leaching pools which had impacted Site groundwater. However, since the leaching pools have been successfully remediated, the source of groundwater contamination has been removed. In addition, the results of a receptor survey and sampling of Neguntatogue Creek have shown that the impacted groundwater, which will continue to be monitored, does not pose a threat to public health or the environment. Therefore, FPM recommends that the NYSDEC reclassify this Site to a Class 4 site, which includes sites that are properly closed but which require continued management. A classification of 4 more accurately represents the current status of this Site.

### SECTION 5.0 REFERENCES

- Fanning, Phillips and Molnar, August, 1999, Interim Remedial Measures Work Plan for Cardwell Condenser, Lindenhurst, New York, NYSDEC Registry #1-52-035.
- Fanning, Phillips and Molnar, January, 1995, Groundwater and Soil Investigation Report for the Cardwell Condenser Site, Lindenhurst, New York.
- Gibbs and Hill, Inc., February, 1990, Phase II Investigation Cardwell Condenser Site No. 152035, Village of Lindenhurst, Suffolk County.
- Lawler, Matusky & Skelly Engineers, December, 1993, Phase II Investigation, Cardwell Condenser Corporation, Site No. 152035, Village of Lindenhurst, Suffolk County.
- New York State Department of Environmental Conservation, September 15, 1999 letter from Robert Filkins to Peter Dermody, Fanning, Phillips and Molnar.
- U.S. Geological Survey, 1964. Hydrology of the Babylon-Islip Area, Suffolk County, Long Island, New York. U.S. Geological Survey Water-Supply Paper 1768.
- Woodward-Clyde Consultants, Inc., January 1986, Phase I Investigations, Cardwell Condenser Corporation, Town of Lindenhurst, Suffolk County, New York, NYSDEC Site No. 152035.

# APPENDIX A LABORATORY CHEMICAL ANALYTICAL DATA PACKAGES



December 10, 1999

Severn Trent Laboratories 200 Monroe Turnpike Monroe, Connecticut 06468

Tel: (203) 261-4458 Fax: (203) 268-5346 www.stl-inc.com

Ms. Stephanie Davis FANNING PHILLIPS + MOLNAR 909 Marconi Avenue Ronkonkoma, NY 11779

Dear Ms. Davis :

Please find enclosed the analytical results of 31 sample(s) received at our laboratory on November 9-16, 1999. This report contains sections addressing the following information at a minimum:

sample summary

definition of data qualifiers and terminology

analytical methodology .

analytical results

state certifications .

chain-of-custody

STL Report #7099-2987A	
Project ID: CARDWELL CONDENSER	

Copies of this analytical report and supporting data are maintained in our files for a minimum of five years unless special arrangements have been made. Unless specifically indicated, all analytical testing was performed at this laboratory location and no portion of the testing was subcontracted.

We appreciate your selection of our services and welcome any questions or suggestions you may have relative to this report. Please contact your customer service representative at (203) 261-4458 for any additional information. Thank you for utilizing our services; we hope you will consider us for your future analytical needs.

I have reviewed and approved the enclosed data for final release.

Very truly yours, Marshat. Culifo

Jeffrey C. Curran Laboratory Manager

JCC

#### Other Laboratory Locations:

- Mobile, 40
- Micamar 🚉
- -ensaria <sup>1</sup>. • "313731he= 1
- farmos i
- กรสากาก เป

- Billenca, MA
- Westfield, MA
- Sparks, MD.
- Edison No.
- Whippany N.
- Newporgh NV Houston, TX

### Sales Office Locations:

- Cantonment, FL
- Orlando, FL
- South Pasadena FL
- \* New Orleans. \_4
- Waterford, Mi Starrstown Nu
- · Vt. Jure No. • Morristown
- Simemediac.

a part of

State Tasks

### 7099-2987A FANNING PHILLIPS & MOLNAR

### Case Narrative

Sample Receipt - All samples were received in good condition and at the proper temperature.

Metals - ICAP metals were determined by ICP using a JA61E trace ICAP according to the USEPA CLP 4.0 SOW.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

Volatile Organics - Volatile organics were determined by purge and trap GC/MS using NYSDEC '95 Protocols. The instrumentation used was a Tekmar Model 2000/2016 Concentrator interfaced with a Hewlett-Packard Model 5970A/5971A GC/MS/DS.

Sample Calculation:

Sample ID - LP-14C Compound - Tetrachloroethene

$$(2780100)(250)$$
 = 126.82 = 130 UG/KG. (1799857)(.700)(5)(.87)

The following samples were analyzed as medium level soils due to high target compound concentrations:

LP-15 END	1:20
LP-150 END	STRAIGHT
LP-3 END	STRAIGHT
LP-3 ENDRE	STRAIGHT
LP-1 END	1:10
LP-1	STRAIGHT
LP-3	STRAIGHT

Sample LP-3 END was analyzed twice due to results having a surrogate out of criteria. Both analyses were reported since matrix interference was proven.

### TABLE VO-1.0 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/L.

	T	1	T	
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	Method Blank VBLKO4 VBLKO4 1.00	UPSTREAM 992987A-04 VBLK04 1.00	DOWNSTREAM 992987A-05 VBLK04 1.00	Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	ם ממממממממממממממממממממממממממממממממממממ	UUUU 4JBUUU 6JUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	UUUU 6JB 6JB U 64J UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Date Received Date Extracted Date Analyzed	N/A 11/09/99	11/09/99 N/A 11/09/99	11/09/99 N/A 11/09/99	

### TABLE VO-1.1 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/L.

			<del></del>	
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	EB-1 992987A-10 VBLKO4 1.00	DOWNSTREAM D 992987A-12 VBLK04 1.00	TB-1 992987A-13 VBLKO4 1.00	Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	0 0 0 1 1 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Date Received Date Extracted Date Analyzed	11/09/99 N/A 11/09/99	11/09/99 N/A 11/09/99	11/09/99 N/A 11/09/99	

#### TABLE VO-1.2 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/L.

T	<u> </u>			
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	Method Blank VBLKO5 VBLKO5 1.00	DOWNSTREAM MS 992987A-05MS VBLKO5 1.00	DOWNSTREAM MSD 992987A-05 MSD VBLKO5 1.00	Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Date Received Date Extracted Date Analyzed	N/A 11/10/99	11/09/99 N/A 11/10/99	11/09/99 N/A 11/10/99	

### TABLE VO-1.3 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/L.

	<u> </u>		CAMANDAN COLOR	1
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	Method Blank VBLKO7 VBLKO7 1.00	EB-2 992987A-15 VBLK07 1.00	TB-2 992987A-16 VBLK07 1.00	Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	ם טעטעטעטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000338 20000000000000000000000000000000	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Date Received Date Extracted Date Analyzed	N/A 11/10/99	11/10/99 N/A 11/10/99	11/10/99 N/A 11/10/99	

### TABLE VO-1.4 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/L.

		<u> </u>	<u> </u>	T
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	Method Blank VBLKOO VBLKOO 1.00	EB-1 992987A-21 VBLKOO 1.00		Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	טטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט	0000338 0000000000000000000000000000000		10 10 10 10 10 10 10 10 10 10 10 10 10 1
Date Received Date Extracted Date Analyzed	N/A 11/17/99	11/16/99 N/A 11/17/99		

### TABLE VO-1.5 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/L.

	-		T
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	Method Blank VBLKOQ VBLKOQ 1.00	TRIP BLANK-1 992987A-20 VBLKOQ 1.00	Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	טטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט	טטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Date Received Date Extracted Date Analyzed	N/A 11/18/99	11/16/99 N/A 11/18/99	

#### TABLE VO-1.6 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

			y-1	
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	Method Blank VBLKKS VBLKKS 1.00	LP-14A 992987A-01 VBLKKS 1.18	LP-14B 992987A-02 VBLKKS 1.11	Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	ממחמת מת מ	00000000000000000000000000000000000000	00001348 148 140000000000000000000000000000000	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Date Received Date Extracted Date Analyzed	N/A 11/11/99	11/09/99 N/A 11/11/99	11/09/99 N/A 11/11/99	

#### TABLE VO-1.7 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

		Y		предать на принципальный принц
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	LP-14C	LP-14 END	LP-13 END	Quant.
	992987A-03	992987A-06	992987A-11	Limits
	VBLKKS	VBLKKS	VBLKKS	with no
	1.18	1.19	1.19	Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	00001378 000003300000000000000000000000000000	000013700370000000000000000000000000000	UUUU13B 2JUUJUUUUUUUUUUUUUUUUUU 2UUUUUUUUUUUUU	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Date Received	11/09/99	11/09/99	11/09/99	
Date Extracted	N/A	N/A	N/A	
Date Analyzed	11/11/99	11/11/99	11/12/99	

### TABLE VO-1.8 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

		g-n		·
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor  Chloromethane	LP-11 END 992987A-14 VBLKKS 1.08			Quant. Limits with no Dilution
Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene	מטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט		•	10 10 10 10 10 10 10 10 10 10 10 10 10 1
<pre>Xylene (total)  Date Received Date Extracted Date Analyzed</pre>	11/09/99 N/A 11/12/99			10

#### TABLE VO-1.9 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

	T	I	The state of the s	
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	Method Blank VBLKKT VBLKKT 1.00	LP-11 END MS 992987A-14MS VBLKKT 1.08	LP-11 END MSD 992987A-14 MSD VBLKKT 1.08	Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	ממממממממממממממממממממממממממ	UUUU135 UX UUUU UUU UU UU UU UUU SSU UUUU SSU UUUU SSU UUUU SSU UUUU SOX UUUUUUUUUU	UUUUU 11 51X UUUUUUUUU 50UUU 51X UUU 51X UUU 51X UUU UUU	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Date Received Date Extracted Date Analyzed	N/A 11/12/99	11/09/99 N/A 11/12/99	11/09/99 N/A 11/12/99	

See Appendix for qualifier definitions

### TABLE VO-1.10 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

	T	<del></del>	
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	LP-8 END 992987A-17 VBLKKT 1.23		Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride	ט ט		10 10 10
Chloroethane Methylene Chloride Acetone	U 1J 12		10 10 10
Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethane	. U		10 10 10
1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone	ט ט		10 10 10
1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane	2J U U		10 10 10
1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene	บ บ บ 3J		10 10 10
Dibromochloromethane 1,1,2-Trichloroethane Benzene	ט ט ט		10 10 10
trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone	บ บ บ		10 10 10
2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane	U 48 U		10 10 10
Toluene Chlorobenzene Ethylbenzene	.5J U U		10 10 10
Styrene Xylene (total)	Ü Ü		10 10
Date Received Date Extracted Date Analyzed	11/10/99 N/A 11/12/99		

### TABLE VO-1.11 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

		Q-1-1-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	Method Blank VBLKKU VBLKKU 1.00	LP-12 END 992987A-09 VBLKKU 1.15	Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	0 0 0 1 1 3 5 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Date Received Date Extracted Date Analyzed	N/A 11/15/99	11/09/99 N/A 11/15/99	

### TABLE VO-1.12 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

		**************************************	-	
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	Method Blank VBLKO8 VBLKO8 1.00	LP-150 END 992987A-08 VBLK08 1.15		Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	00000000000000000000000000000000000000	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU		1200 1200 1200 1200 1200 1200 1200 1200
Date Received Date Extracted Date Analyzed	N/A 11/11/99	11/09/99 N/A 11/11/99		7

### TABLE VO-1.13 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

	<del></del>	<del></del>	T-1011111-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	Method Blank VBLKOI VBLKOI 1.00	LP-15 END 992987A-07 VBLKOI 23.0	LP-3 END 992987A-18 VBLKOI 1.20	Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	U U U U U U U U U U U U U U U U U U U	U U U U U U U U U U U U U U U U U U U	1200 1200 1200 1200 1200 1200 1200 1200
Date Received Date Extracted Date Analyzed	N/A 11/15/99	11/09/99 N/A 11/15/99	11/10/99 N/A 11/15/99	

#### TABLE VO-1.14 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	LP-3 END RE 992987A-18RE VBLKOI 1.20	LP-1 END 992987A-19 VBLKOI 12.0	Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	00000000000000000000000000000000000000	6200J U U U 1100JB 11000JB U U U U U U U U U U U U U U U U U U U	1200 1200 1200 1200 1200 1200 1200 1200
Date Received Date Extracted Date Analyzed	11/10/99 N/A 11/15/99	11/10/99 N/A 11/15/99	

### TABLE VO-1.15 7099-2987A FANNING PHILLIPS + MOLNAR TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

######################################			<b>,</b>	
Client Sample I.D.  Lab Sample I.D.  Method Blank I.D.  Quant. Factor	Method Blank VBLKOW VBLKOW 1.00	LP-1 992987A-22 VBLKOW 1.18	LP-3 992987A-23 VBLKOW 1.25	Quant. Limits with no Dilution
Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylene (total)	9199999999999999999999999999999999999	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	U U U U 2300B U U U U U U U U U U U U U U U U U U	1200 1200 1200 1200 1200 1200 1200 1200
Date Received Date Extracted Date Analyzed	N/A 11/22/99	11/16/99 N/A 11/22/99	11/16/99 N/A 11/22/99	

### TABLE AS-1.0 7099-2987A FANNING PHILLIPS + MOLNAR MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are ug/L.

Client Sample I.D.	EB-1 992987A-10	EB-2 992987A-15	EB-1 992987A-21	
Arsenic	4.0U	4.0U	4.0U	
Chromium	2.0U	2.0U	2.0U	
Copper	1.0U	1.0U	1.0U	
Lead	3.0U	3.0U	3.0U	
Zinc	11.5B	5.6B	3.6B	

### TABLE AS-1.1 7099-2987A FANNING PHILLIPS + MOLNAR MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are mg/Kg dry weight basis.

Client Sample I.D.	LP-14 END	LP-15 END	LP-150 END	LP-12 END
	992987A-06	992987A-07	992987A-08	992987A-09
Arsenic	0.640	1.4	0.560	0.64U
Chromium	7.4	10.1	1.9	1.6
Copper	11.8	530.	86.6	10.8
Lead	0.480	134.	41.0	4.0
Zinc	14.7	713.	500.	53.8

### TABLE AS-1.2 7099-2987A FANNING PHILLIPS + MOLNAR MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are mg/Kg dry weight basis.

Client Sample I.D.  Lab Sample I.D.	LP-13 END 992987A-11	LP-11 END 992987A-14	LP-11 END D 992987A-14D	LP-11 END S 992987A-14S
Arsenic	0.58U	0.51U	0.80 <del>0</del>	7.9
Chromium	1.0B	32.4	26.6	72.6
Copper	16.8	18.5	12.1	68.6
Lead	0.44U	2.0	1.3	6.5
Zinc	8.0	10.7	4.3	104.

### TABLE AS-1.3 7099-2987A FANNING PHILLIPS + MOLNAR MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are mg/Kg dry weight basis.

Client Sample I.D.  Lab Sample I.D.	LP-8 END	LP-3 END	LP-1 END	LP-1
	992987A-17	992987A-18	992987A-19	992987A-22
Arsenic	0.54U	0.710	0.650	0.70U
Chromium	12.4	22.3	38.2	20.0
Copper	26.3	759.	236.	121.
Lead	5.4	34.5	19.0	10.8
Zinc	18.7	266.	111.	59.8

### TABLE AS-1.4 7099-2987A FANNING PHILLIPS + MOLNAR MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are mg/Kg dry weight basis.

Client Sample I.D. Lab Sample I.D.	LP-3 992987A-23		
Arsenic Chromium Copper Lead Zinc	0.71U 48.7 916. 84.7 456.		



### ORGANICS APPENDIX

- U Indicates that the compound was analyzed for but not detected.
- J Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- S Estimated due to surrogate outliers.
- X Matrix spike compound.
- (1) Cannot be separated.
- (2) Decomposes to azobenzene. Measured and calibrated as azobenzene.
- A This flag indicates that a TIC is a suspected aldol condensation product.
- E Indicates that it exceeds calibration curve range.
- D This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- C Confirmed by GC/MS.
- T Compound present in TCLP blank.
- P This flag is used for a pesticide/aroclor target analyte when there is a greater than 25 percent difference for detected concentrations between the two GC columns (see Form X).



#### **INORGANICS APPENDIX**

#### C - Concentration qualifiers

- U Indicates analyte was not detected at method reporting limit.
- B Indicates analyte result between IDL and contract required detection limit (CRDL)

#### Q - QC qualifiers

- E Reported value is estimated because of the presence of interference
- M Duplicate injection precision not met
- N Spiked sample recovery not within control limits
- S The reported value was determined by the method of standard additions (MSA)
- W Post-digest spike recovery furnace analysis was out of 85-115 percent control limit, while sample absorbance was less than 50 percent of spike absorbance
- \* Duplicate analysis not within control limit
- + Correlation coefficient for MSA is less than 0.995

#### M - Method codes

- P ICP
- A Flame AA
- F Furnace AA
- CV Cold vapor AA (manual)
- C Cyanide
- NR Not Required
- NC Not Calculated as per protocols



#### **STATE CERTIFICATIONS**

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for Severn Trent Laboratories-Connecticut are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

#### Severn Trent-Connecticut Certification Summary (as of March-1999)

State	Responsible Agency	Certification	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Kansas	Department of Health and Environment	Drinking Water, Wastewater/Solid, Hazardous Waste	E-10210
Maine	Department of Human Services	Wastewater	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	nent of Environmental Protection Drinking Water, Wastewater	
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste	10602
North Carolina	Division of Environmental Management	Wastewater Hazardous Waste	388
Oklahoma	Department of Environmental Quality	General Water Quality/ Sludge Testing	9614
Rhode Island	ChemistryNon-		A43
Washington	Department of Ecology	f Ecology Wastewater/ Hazardous Waste	
Wisconsin	Department of Natural Resources	ment of Natural Resources Wastewater/ Hazardous Waste	

#### 7099-2987A FANNING PHILLIPS + MOLNAR SAMPLE SUMMARY

CLIENT ID	LAB ID	MATRIX	DATE COLLECTED	DATE RECEIVED
LP-14A	992987A-01	SOIL	11/08/99	11/09/99
LP-14B	992987 <b>A-</b> 02	SOIL	11/08/99	11/09/99
LP-14C	992987 <b>A-03</b>	SOIL	11/08/99	11/09/99
UPSTREAM	992987A-04	WATER	11/08/99	11/09/99
DOWNSTREAM	992987A-05	WATER	11/08/99	11/09/99
DOWNSTREAM	992987A-05MS	WATER	11/08/99	11/09/99
DOWNSTREAM	992987A-05MSB	WATER	11/08/99	11/09/99
DOWNSTREAM	992987A-05MSD	WATER	11/08/99	11/09/99
LP-14 END	992987A-06	SOIL	11/08/99	11/09/99
LP-15 END	992987A-07	SOIL	11/08/99	11/09/99
LP-150 END	992987A-08	SOIL	11/08/99	11/09/99
LP-12 END	992987 <b>A</b> -09	SOIL	11/08/99	11/09/99
EB-1	992987A-10	WATER	11/08/99	11/09/99
LP-13 END	992987A-11	SOIL	11/08/99	11/09/99
DOWNSTREAM D	992987A-12	WATER	11/08/99	11/09/99
TB-1	992987A-13	WATER	11/08/99	11/09/99
LP-11 END	992987A-14	SOIL	11/08/99	11/09/99
LP-11 END	992987A-14D	SOIL	11/08/99	11/09/99
LP-11 END	992987A-14MS	SOIL	11/08/99	11/09/99
LP-11 END	992987A-14MSB	SOIL	11/08/99	11/09/99
LP-11 END	992987A-14MSD	SOIL	11/08/99	11/09/99
LP-11 END	992987A-14S	SOIL	11/08/99	11/09/99
EB-2	992987A-15	WATER	11/09/99	11/10/99
TB-2	992987A-16	WATER	11/09/99	11/10/99
LP-8 END	992987A-17	SOIL	11/09/99	11/10/99
LP-3 END	992987A-18	SOIL	11/09/99	11/10/99
<b>}</b>				

LP-1 END 992987A-19 SOIL 11/09/99 11/10/99
TRIP BLANK-1 992987A-20 WATER 11/15/99 11/16/99

#### 7099-2987A FANNING PHILLIPS + MOLNAR SAMPLE SUMMARY

CLIENT ID	LAB ID	MATRIX	DATE COLLECTED	DATE RECEIVED
EB-1	992987A-21	WATER	11/15/99	11/16/99
LP-1	992987A-22	SOIL	11/15/99	11/16/99
LP-3	992987A-23	SOIL	11/15/99	11/16/99

#### IEA-CT ANALYTICAL SUMMARY

Page:1

Client ID: DOWNSTREAM, DOWNSTREAM D, EB-1, EB-2, LP-1, LP-1 END, LP-11 END,

LP-12 END, LP-13 END, LP-14 END, LP-14A, LP-14B, LP-14C, LP-15 END, LP-150 END, LP-3, LP-3 END, LP-8 END, TB-1, TB-2, TRIP

BLANK-1, UPSTREAM

Job Number: 7099-2987A

Date: 12/10/99

Control of the Contro	Qty	Matrix	Analysis	Description
	13 13 13 13 13 16 13 3 3 3 3	SOIL SOIL SOIL SOIL SOIL SOIL SOIL WATER WATER WATER WATER WATER WATER WATER WATER WATER	AS-NCLP4.0 CD-NCLP4.0 CR-NCLP4.0 MET-PREP-ICAP PB-NCLP4.0 VOA-NCLP3.2-TCL VOA-NCLP3.2-TCL ZN-NCLP4.0 AS-NCLP4.0 CR-NCLP4.0 CU-NCLP4.0 MET-PREP-ICAP PB-NCLP4.0 VOA-NCLP3.2-TCL	Arsenic Cadmium Chromium Metals ICAP Prep Lead TCL Volatile Organic TCL Volatile Organic Zinc Arsenic Chromium Copper Metals ICAP Prep Lead TCL Volatile Organic
	11	WATER WATER WATER		TCL Volatile Organic TCL Volatile Organic Zinc



Severn Trent Laboratories

200 Monroe Turnpike Monroe, Connecticut 06468

Tel: (203) 261-4458 Fax: (203) 268-5346 www.stl-inc.com

## SAMPLE DATA SUMMARY PACKAGE

CLIENT:

FANNING PHILLIPS & MOLNAR

PROJECT ID:

CARDWELL CONDENSER

SDG NUMBER:

A2987

STL ID:

7099-2987A

#### Other Laboratory Locations:

- Mobile, AL
- Amherst, NY
   Viramar, FL
- Tallahassee File Savannah (3A)
- · Charlet Park

- Billerica, MA
   Westfield, MA
- Sparks, MD
- Edison, N∪ Whippany, NJ
- Newburgh, 10
   Houston Tr
- Dokobaster NT

#### Sales Office Locations:

- Cantonment, FL
- . Orlando, FL
- South Pasadena, FL
- New Orleans, LA
   Waterford, MI
- Blairstown, No. • Wt. Laures, No.
- Mornstown, N. Inherestack No

#### a part of

Sover Tren Service L.

### SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer	T . N	Analytical Requirements					
Sample Code	Laboratory Sample Code	*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*Pest PCBs Method #	*Metals	*Cther
LP-14A	992987A-01	x					
LP-14B	992987A-02	x					
LP-14C	992987A-03	x					
UPSTREAM	992987A-04	x					
DOWNSTREAM	992987A-05	X	1	An manufact Account of the financial and a financial state of the stat			
DOWNSTREAM	992987A-05MS	x					
DOWNSTREAM	992987A-05MSB	X		***************************************	· · · · · · · · · · · · · · · · · · ·		
DOWNSTREAM	992987A-05MSD	x					
LP-14 END	992987A-06	x				x	
LP-15 END	992987A-07	x		N-3-16-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	***************************************	X	
LP-150 END	992987A-08	x		······································		x	
LP-12 END	992987A-09	x				x	
KB-1	992987A-10	x				X	
LP-13 END	992987A-11	x				x	
DOWNSTREAM D	992987A-12	x					
TB-1	992987A-13	х					
LP-11 END	9929878-14	x				X	,
LP-11 END	992987A-14D					x	
LP-11 END	992987A-14MS	x					
LP-11 END	992987A-14MSB	X					

12/91

### SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer	Laboratory	Analytical Requirements				o militario de la companio de la co	
Sample Code	Sample Code	*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*Pest PCBs Method #	*Metals	*Cther
LP-11 END	992987A-14MSD	x					***************************************
LP-11 END	992987A-14S					x	
BB-2	992987A-15	x				X	
TB-2	992987A-16	<u>x</u>					
LP-8 END	392987A-17	<u> </u>				X	
LP-3 END	992987A-18	x				x	
LP-1 END	992987A-19	x				X	
TRIP BLANK-1	992987A-20	X		<u> </u>			
EB-1	992987A-21	x				x	
LP-1	992987A-22	x				X	
LP-3	992987A-23	x				x	
			ALL COLONIAL VIEW COLONIAL VIE		]   		
			Van Andreas An	of commercial desiration of the control of the cont			

B-212

# SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

					**************************************
Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
992987A-01	SOIL	11/08/99	11/09/99	INA	111)1/99
992987 <b>A</b> -02	soil	11/08/99	11/09/99	/   `	
992987A-03	SOIL	11/08/99	11/09/99		1
992987A-04	WATER	11/08/99	11/09/99		11/09/99
992987A-05	WATER	11/08/99	11/09/99		
992987A-06	SOIL	11/08/99	11/09/99		11/11/99
992987A-07	soir	11/08/99	11/09/99		11/15/99
992987 <b>A</b> -08	SOIL	11/08/99	11/09/99		11/11/99
992987A-09	SOIL	11/08/99	11/09/99		1115/99
992987A-10	WATER	11/08/99	11/09/99		11/09/99
992987A-11	soir	11/08/99	11/09/99		11/12/59
992987 <b>A</b> -12	WATER	11/08/99	11/09/99		1109199
992987A-13	WATER	11/08/99	11/09/99		
992987A-14	SOIL	11/08/99	11/09/99		11/12/99
992987 <b>A-1</b> 5	WATER	11/09/99	11/10/99		11/10/99
992987A-16	WATER	11/09/99	11/10/99		
992987A-17	soit	11/09/99	11/10/99		11/12/99
992987A~18	soit	11/09/99	11/10/99		1115/99
992987A-19	SOIL	11/09/99	11/10/99		
992987A-20	WATER	11/15/99	11/16/99		1118/99
992987A-21	WATER	11/15/99	11/16/99	<b>V</b>	11/17/99

## SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analycei
992987A-22	SOIL	11/15/99	11/16/99	I N/A	11/22/99
992987A-23	SOIL	11/15/99	11/16/99	V	

	DIVERSITY AND ADDRESS OF THE PARTY OF THE PA		·	
Laboratory Sample ID	Macrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
992987A-06	SOIL	AS-NCLP4.0	11/09/99	12/6/11:
992987A-06	SOIL	CD-NCLP4.0	11/09/99	
992987A-06	SOIL	CR-NCLP4.0	11/09/99	
992987A-06	SOIL	PB-NCLP4.0	11/09/99	
992987A-06	SOIL	ZN-NCLP4.0	11/09/99	
992987A-07	SOIL	AS-NCLP4.0	11/09/99	
992987A-07	SOIL	CD-NCLP4.0	11/09/99	
992987A-07	SOIL	CR-NCLP4.0	11/09/99	4
§ 992987A-07	soit	PB-NCLP4.0	11/09/99	
992987A-07	SOIL	ZN-NCLP4.0	11/09/99	
992987A-08	SOIL	AS-NCLP4.0	11/09/99	
992987A-08	SOIL	CD-NCLP4.0	11/09/99	
992987A~08	SOIL	CR-NCLP4.0	11/09/99	
992987A-08	SOIL	PB-NCLP4.0	11/09/99	
992987A-08	SOIL	ZN-NCLP4.0	11/09/99	
992987A-09	SOIL	AS-NCLP4.0	11/09/99	
992987A-09	SOIL	CD-NCLP4.0	11/03/99	
992987A-09	SOIL	CR-NCLP4.0		
			11/09/99	
992987A-09	SOIL	PB-NCLP4.0	11/09/99	
992987A-09	SOIL	ZN-NCLP4.0	11/09/99	!
992987A-10	WATER	AS-NCLP4.0	11/09/99	<u> </u>

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
992987A-10	KATER	CR-HCLP4.0	11/09/99	12/6/1:
992987A-10	WATER	CU-NCLP4.0	11/09/99	
992987A-10	WATER	PB-NCLP4.0	11/09/99	
992987A-10	WATER	ZN-HCLP4.0	11/09/99	
992987A-11	SOIL	AS-NCLP4.0	11/09/99	
992987A-11	sort	CD-NCLP4.0	11/09/99	
992987A-11	SOIL	CR-NCLÞ4.0	11/09/99	
992987A-11	SOIL	PB-NCLP4.0	11/09/99	:
9929874-11	SOIL	zn-nclp4.0	11/09/99	
992987A-14	SOIL	AS-NCLP4.0	11/09/99	}
9929871-14	SOIL	CD-NCLP4.0	11/09/99	
992987A-14	SOIL	CR-NCLP4.0	11/09/99	ļ
9929871-14	sort	PB-NCLP4.0	11/09/99	
9929871-14	SOIL	ZN-NCLP4.0	11/09/99	'
9929874-15	WATER	AS-NCLP4.0	11/10/99	
9929872-15	WATER	CR-NCLP4.0	11/10/99	
992987A-15	WATER	CU-NCLP4.0	11/10/99	
9929874-15	WATER	PB-NCLP4.0	11/10/99	
992987A-15	WATER	ZN-NCLP4.0	11/10/99	
992987A-17	SOIL	AS-NCLP4.0	11/10/99	
9929871-17	SOIL	CD-NCLP4.0	11/10/99	7

			(	V
Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
992987A-17	SOIL	CR-NCLP4.0	11/10/99	12/6/10
992987A-17	SOIL	PB-NCLP4.0	11/10/99	
992987A-17	SOIL	zn-nclp4.0	11/10/99	
992987A-18	SOIL	AS-NCLP4.0	11/10/99	
992987A-18	SOIL	CD-NCLP4.0	11/10/99	
992987A-18	SOIL	CR-NCLP4.0	11/10/99	
992987A-18	soir	PB-NCLP4.0	11/10/99	
992987A-18	SOIL	zn-nclp4.0	11/10/99	; ; ;
992987A-19	SOIL	AS-NCLP4.0	11/10/99	
992987A-19	SOIL	CD-NCLP4.0	11/10/99	; ;
992987A-19	SOIL	CR-NCLP4.0	11/10/99	
992987A-19	SOIL	PB-NCLP4.0	11/10/99	
992987A-19	SOIL	zn-nclp4.0	11/10/99	
992987A-21	WATER	AS-NCLP4.0	11/16/99	
992987A-21	WATER	CR-NCLP4.0	11/16/99	:
992987A-21	WATER	CU-NCLP4.0	11/16/99	
992987A-21	WATER	PB-NCLP4.0	11/16/99	
992987A-21	WATER	ZN-NCLP4.0	11/16/99	t 6
992987A-22	SOIL	AS-NCLP4.0	11/16/99	
992987A-22	SOIL	CD-NCLP4.0	11/16/99	
992987A-22	SOIL	CR-NCLP4.0	11/16/99	

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
992987A-22	SOIL	PB-NCLP4.0	11/16/99	12/6/11
992987A-22	SOIL	ZN-NCLP4.0	11/16/99	
992987A-23	SOIL	AS-NCLP4.0	11/16/99	
992987A-23	SOIL	CD-NCLP4.0	11/16/99	
992987A-23	sort	CR-NCLF4.0	11/16/99	
992987A-23	soir	PB-NCLP4.0	11/16/99	
992987A-23	SOIL	ZN-NCLP4.0	11/16/99	4



#### 7099-2987A FANNING PHILLIPS & MOLNAR

Severn Trent Laboratories 200 Monroe Turnpike Monroe, Connecticut 06468

Tel: (203) 261-4458 Fax: (203) 268-5346 www.stl-inc.com

#### Case Narrative

Sample Receipt - All samples were received in good condition and at the proper temperature.

Metals - ICAP metals were determined by ICP using a JA61E trace ICAP according to the USEPA CLP 4.0 SOW.

No problems occurred during analysis.. All appropriate protocols were employed. All data appears to be consistent.

Volatile Organics - Volatile organics were determined by purge and trap GC/MS using The instrumentation used was a Tekmar Model 2000/2016 NYSDEC '95 Protocols. Concentrator interfaced with a Hewlett-Packard Model 5970A/5971A GC/MS/DS.

#### Sample Calculation:

Sample ID - LP-14C

Compound - Tetrachloroethene

(2780100)(250) = 126.82 = 130 UG/KG. (1799857)(.700)(5)(.87)

The following samples were analyzed as medium level soils due to high target compound concentrations:

LP-15 END	1:20
LP-150 END	STRAIGHT
LP-3 END	STRAIGHT

#### Other Laboratory Locations:

- Mobile, At.
- Amherst, NY
- Miramar Fu • Parsatta f
- "akarassaa -
- ป๊ะไม่ ไ ร้องการกาง

- Billerica, MA
- Westfield, MA
- Sparks, MD
- Edison, NJ
- \* Whippany NJ
- Newsurgh 18.
- Doermegren /

#### Sales Office Locations:

- Captonment, Et.
- Orlando, FL
- South Pasadena, <sup>c</sup>
- New Orleans. J-
- Waterford Vi
- 4 Etainstean No.
- Wr Laure N.

a part of

LP-14A

Date Analyzed: 11/11/99

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT		Contract:	
Lab Code: IEACT	Case No.: 2987A	SAS No.: SDG No.: A2987	
Matrix: (soil/water	)SOIL	Lab Sample ID: 992987A-01	
Sample wt/vol:	5 (g/mL)G	Lab File ID: >K7598	
Level: (low/med)	LOW	Date Received: 11/09/99	

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

% Moisture: not dec. 15

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

CAS NO. COMPOUND CONCENTRATION UNITS:

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

74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	1 12	Ü
75-01-4	Vinyl Chloride	1 12	Ü
75-00-3	Chloroethane	12	Ū
75-09-2	Methylene Chloride	2	Ĵ
67-64-1	Acetone	15	B
75-15-0	Carbon Disulfide	12	Ū
75-35-4	1,1-Dichloroethene	12	Ū
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	Ū
78-93-3	2-Butanone	12	Ū
71-55-6	1,1,1-Trichloroethane	12	Ū
56-23-5	Carbon Tetrachloride	12	Ū
75-27-4	Bromodichloromethane	12	Ū
78-87-5	1,2-Dichloropropane	12	Ū
10061-01-5	cis-1,3-Dichloropropene	12	Ū
79-01-6	Trichloroethene	2	J
124-48-1	Dibromochloromethane	12	Ū
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	Ū
10061-02-6	trans-1,3-Dichloropropene	12	Ū
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	Ū
591-78-6	2-Hexanone	12	Ū
127-18-4	Tetrachloroethene	17	
79-34-5	1,1,2,2-Tetrachloroethane	12	Ū
108-88-3	Toluene	.5	J
108-90-7	Chlorobenzene	12	Ü
100-41-4	Ethylbenzene	12	Ū
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

				LP-14B
Lab	Mame:	STL/CT	Contract:	

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix: (soil/water)SOIL Lab Sample ID: 992987A-02

Sample wt/vol: 5 (g/mL)G Lab File ID: >K7599

Level: (low/med) LOW Date Received: 11/09/99

% Moisture: not dec. 10 Date Analyzed: 11/11/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	. CONCENTRATION UNITS: (ug/L or ug/Kg)UG/KG	Q
		(43/1 01 43/16/16	$\sim$

74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	Ü
75-01-4	Vinyl Chloride	11	Ū
75-00-3	Chloroethane	11	U U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	14	B
75-15-0	Carbon Disulfide	11	<del>u</del>
75-35-4	1,1-Dichloroethene	11	<del>Ŭ</del>
75-34-3	1,1-Dichloroethane	11	Ü
540-59-0	1,2-Dichloroethene (total)	11	Ŭ
67-66-3	Chloroform	11	Ü
107-06-2	1,2-Dichloroethane	· 11	Ŭ
78-93-3	2-Butanone	2	J
71-55-6	1,1,1-Trichloroethane	11	Ū
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U I
78-87-5	1,2-Dichloropropane	11	<del>U</del>
10061-01-5	cis-1,3-Dichloropropene	11	Ü
79-01-6	Trichloroethene	2	Ĵ
124-48-1	Dibromochloromethane	11	Ū
79-00-5	1,1,2-Trichloroethane	11	Ū
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	Ū
108-10-1	4-Methyl-2-Pentanone	11	Ū
591-78-6	2-Hexanone	11	Ū
127-18-4	Tetrachloroethene	4	J
79-34-5	1,1,2,2-Tetrachloroethane	1.1	Ū
108-88-3	Toluene	. 5	J
108-90-7	Chlorobenzene	11	Ū
100-41-4	Ethylbenzene	. 4	J
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	, 4	J

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

			LP-14C
Lab Name	: STL/CT	Contract:	

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix: (soil/water)SOIL Lab Sample ID: 992987A-03

Sample wt/vol: 5 (g/mL)G Lab File ID: >K7600

Level: (low/med) LOW Date Received: 11/09/99

% Moisture: not dec. 15 Date Analyzed: 11/11/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:

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

ir-			·
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	Ü
75-01-4	Vinyl Chloride	12	Ŭ
75-00-3	Chloroethane	12	Ŭ
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	17	B
75-15-0	Carbon Disulfide	12	Ū
75-35-4	1,1-Dichloroethene	12	Ū
75 - 34 - 3	1,1-Dichloroethane	12	Ū
540-59-0	1,2-Dichloroethene (total)	2	Ĵ
67-66-3	Chloroform	12	Ū
107-06-2	1,2-Dichloroethane	12	Ū
78-93-3	2-Butanone	12	Ū
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	12	Ū
75-27-4	Bromodichloromethane	12	Ü
78-87-5	1,2-Dichloropropane	12	Ū
10061-01-5	cis-1,3-Dichloropropene	12	Ū
79-01-6	Trichloroethene	3	J
124-48-1	Dibromochloromethane	12	Ū
79-00-5	1,1,2-Trichloroethane	1.2	Ū
71-43-2	Benzene	12	Ū
10061-02-6	trans-1,3-Dichloropropene	12	Ū
75-25-2	Bromoform	12	Ū
108-10-1	4-Methyl-2-Pentanone	12	Ū
591-78-6	2-Hexanone	12	Ŭ
127-18-4	Tetrachloroethene	130	
79-34-5	1,1,2,2-Tetrachloroethane	12	Ū
108-88-3	Toluene	.3	J
108-90-7	Chlorobenzene	12	Ü
100-41-4	Ethylbenzene	.3	J
100-42-5	Styrene	12	Ū
1330-20-7	Xylene (total)	. 2	J

#### VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT		Contract:	JPSTREAM
Lab Code: IEACT	Case No.: 2987A	SAS No.: SDG No.	.: A2987
Matrix: (soil/water)	WATER	Lab Sample ID:	992987A-04
Sample wt/vol:	5 (g/mL)ML	Lab File ID:	>06215
Level: (low/med)	LOW	Date Received:	11/09/99
% Moisture: not dec	*	Date Analyzed:	11/09/99
Sample wt/vol: Level: (low/med)	5 (g/mL)ML LOW	Date Received:	11/09/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_(uL)

CONCENTRATION UNITS:

Soil Aliquot Volume: \_\_\_\_(ul)

CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	Ū
75-09-2	Methylene Chloride	.4	J
67-64-1	Acetone	4	JB
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	Ū
75-34-3	1,1-Dichloroethane	10	Ū
540-59-0	1,2-Dichloroethene (total	. 6	J
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	2	JB
71-55-6	1,1,1-Trichloroethane	. 4	J
56-23-5	Carbon Tetrachloride	10	Ū
75-27-4	Bromodichloromethane	10	Ū
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	1.0	Ū
79-01-6	Trichloroethene	. 4	J
124-48-1	Dibromochloromethane	10	Ü
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	.8	J
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
108-88-3	Toluene	10	Ū
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	Ū
100-42-5	Styrene	1.0	Ū
1330-20-7	Xylene (total)	.3	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

DOWNSTREAM	
1 DOWNSIVEW	

		,		
Lab	Name:	STL/CT	Contract:	
		012, 01		

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab Sample ID: 992987A-05 Matrix: (soil/water)WATER

Sample wt/vol: 5 (g/mL)ML Lab File ID: >06218

Date Received: 11/09/99 Level: (low/med) LOW

Date Analyzed: 11/09/99 % Moisture: not dec.

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

CAS NO. COMPOUND

Soil Aliquot Volume: \_\_\_\_(ul: Soil Extract Volume: \_\_\_\_(uL)

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

74 07 3	Chloromethane	10	IJ
74-87-3 74-83-9	Bromomethane	10	U
	Vinvl Chloride	1.0	Ü
75-01-4	Chloroethane	10	Ū
75-00-3	Methylene Chloride	.6	J
75-09-2			JB
67-64-1	Acetone	10	Ū
75-15-0	Carbon Disulfide	10	Ū
75-35-4	1,1-Dichloroethene	.4	J
75-34-3	1,1-Dichloroethane	2	J
540-59-0	1,2-Dichloroethene (total)	10	Ū
67-66-3	Chloroform	10	Ū
107-06-2	1,2-Dichloroethane	2	•
78-93-3	2-Butanone	, –	JB T
71-55-6	1,1,1-Trichloroethane	.5	J
56-23-5	Carbon Tetrachloride	10	Ŭ
75-27-4	Bromodichloromethane	10	Ŭ
78-87-5	1,2-Dichloropropane	10	Ŭ
10061-01-5	cis-1,3-Dichloropropene	10	Ŭ
79-01-6	Trichloroethene	3	J
124-48-1	Dibromochloromethane	10	Ŭ
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	Ū
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	Ū
100-42-5	Styrene	10	Ū
1330-20-7	Xylene (total)	.3	J

Date Received: 11/09/99

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT		Contract: LP-14 END
Lab Code: IEACT	Case No.: 2987A	SAS No.: SDG No.: A2987
Matrix: (soil/water	·)SOIL	Lab Sample ID: 992987A-06
Sample wt/vol:	5 (g/mL)G	Lab File ID: >K7601
Level: (low/med)	LOW	Date Received: 11/09/99

% Moisture: not dec. 16 Date Analyzed: 11/11/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

. . .

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

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/KG

p-m		.dg/h or dg/kg/og/kg	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	Ū
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	12	J
67-64-1	Acetone	27	В
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	.6	J
540-59-0	1,2-Dichloroethene (total)	3	J
67-66-3	Chloroform	12	Ū
107-06-2	1,2-Dichloroethane	12	<del>- ŭ</del>
78-93-3	2-Butanone	3	J
71-55-6	1,1,1-Trichloroethane	7	J
56-23-5	Carbon Tetrachloride	12	Ū
75-27-4	Bromodichloromethane	12	Ū
78-87-5	1,2-Dichloropropane	12	Ū
10061-01-5	cis-1,3-Dichloropropene	12	Ū
79-01-6	Trichloroethene	10	Ĵ
124-48-1	Dibromochloromethane	12	Ū
79-00-5	1,1,2-Trichloroethane	12	Ū
71-43-2	Benzene	12	Ū
10061-02-6	trans-1,3-Dichloropropene	12	Ū
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	210	
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	.5	Ĵ
108-90-7	Chlorobenzene	12	Ū
100-41-4	Ethylbenzene	12	Ū
100-42-5	Styrene	12	Ū
1330-20-7	Xylene (total)	12	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

				LP-15 END
Lab	Name:	STL/CT	Contract:	

Lab Code: IEACT Case No.: 2987A SAS No.: SDG No.: A2987

Matrix: (soil/water)SOIL Lab Sample ID: 992987A-07

Sample wt/vol: 4 (g/mL)G Lab File ID: >06291

Level: (low/med) MED Date Received: 11/09/99

% Moisture: not dec. 13 Date Analyzed: 11/15/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 5 (uL)

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg)UG/KG

74-87-3	Chloromethane	28000	U
74-83-9	Bromomethane	28000	Ū
75-01-4	Vinyl Chloride	28000	U
75-00-3	Chloroethane	28000	Ü
75-09-2	Methylene Chloride	5800	JB
67-64-1	Acetone	11000	JB
75-15-0	Carbon Disulfide	28000	Ū
75-35-4	1,1-Dichloroethene	28000	U
75-34-3	1,1-Dichloroethane	28000	U
540-59-0	1,2-Dichloroethene (total)	28000	U
67-66-3	Chloroform	28000	Ū
107-06-2	1,2-Dichloroethane	28000	U
78-93-3	2-Butanone	4500	J
71-55-6	1,1,1-Trichloroethane	8000	J
56-23-5	Carbon Tetrachloride	28000	U
75-27-4	Bromodichloromethane	28000	Ū
78-87-5	1,2-Dichloropropane	28000	U
10061-01-5	cis-1,3-Dichloropropene	28000	U
79-01-6	Trichloroethene	14000	J
124-48-1	Dibromochloromethane	28000	Ū
79-00-5	1,1,2-Trichloroethane	28000	Ū
71-43-2	Benzene	28000	Ū
10061-02-6	trans-1,3-Dichloropropene	28000	Ū
75-25-2	Bromoform	28000	Ū
108-10-1	4-Methyl-2-Pentanone	28000	Ū
591-78-6	2-Hexanone	28000	Ū
127-18-4	Tetrachloroethene	300000	
79-34-5	1,1,2,2-Tetrachloroethane	28000	Ū
108-88-3	Toluene	2400	J
108-90-7	Chlorobenzene	28000	Ū
100-41-4	Ethylbenzene	28000	U
100-42-5	Styrene	28000	Ū
1330-20-7	Xylene (total)	28000	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

				LP-150 END
Lab	Name:	STL/CT	Contract:	
	-	,		 F

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix: (soil/water) SOIL Lab Sample ID: 992987A-08

Sample wt/vol: 4 (g/mL)G Lab File ID: >06267

Level: (low/med) MED Date Received: 11/09/99

% Moisture: not dec. 13 Date Analyzed: 11/11/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:

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

74-87-3	Chloromethane	1400	U
74-83-9	Bromomethane	1400	Ū
75-01-4	Vinyl Chloride	1400	U
75-00-3	Chloroethane	1400	U
75-09-2	Methylene Chloride	93	J
67-64-1	Acetone	1100	JB
75-15-0	Carbon Disulfide	1400	Ū
75-35-4	1,1-Dichloroethene	1400	Ū
75-34-3	1,1-Dichloroethane	1400	Ū
540-59-0	1,2-Dichloroethene (total)	290	J
67-66-3	Chloroform	1400	Ū
107-06-2	1,2-Dichloroethane	1400	U
78-93-3	2-Butanone	1500	В
71-55-6	1,1,1-Trichloroethane	1200	J
56-23-5	Carbon Tetrachloride	1400	Ū
75-27-4	Bromodichloromethane	1400	Ū
78-87-5	1,2-Dichloropropane	1400	Ū
10061-01-5	cis-1,3-Dichloropropene	1400	U
79-01-6	Trichloroethene	1900	
124-48-1	Dibromochloromethane	1400	Ū
79-00-5	1,1,2-Trichloroethane	1400	Ū
71-43-2	Benzene	1400	U
10061-02-6	trans-1,3-Dichloropropene	1400	Ū
75-25-2	Bromoform	1400	U
108-10-1	4-Methyl-2-Pentanone	1400	Ū
591-78-6	2-Hexanone	1400	Ü
127-18-4	Tetrachloroethene	18000	
79-34-5	1,1,2,2-Tetrachloroethane	1400	Ū
108-88-3	Toluene	350	J
108-90-7	Chlorobenzene	1400	U
100-41-4	Ethylbenzene	1.60	J
100-42-5	Styrene	1400	Ū
1330-20-7	Xylene (total)	660	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

T _ 1_	37.	con / con			LP-12 END
цар	Name:	STL/CT	Contract:	W	

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix: (soil/water)SOIL Lab Sample ID: 992987A-09

Sample wt/vol: 5 (g/mL)GLab File ID: >K7620

Level: (low/med) LOW Date Received: 11/09/99

% Moisture: not dec. 13 Date Analyzed: 11/15/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

. .

Soil Extract Volume: \_\_\_\_(uL) Soil Aliquot Volume: \_\_\_\_/ul

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/KG Q

	T	
74-87-3 Chloromethane	11	
74-83-9 Bromomethane	11	U
75-01-4 Vinyl Chloride		Ū
75-00-3 Chloroethane		Ū
75-09-2 Methylene Chloride	1	J
67-64-1 Acetone	35	B
75-15-0 Carbon Disulfide	11	Ü
75-35-4 1,1-Dichloroethene	11	U U
75-34-3 1,1-Dichloroethane	.5	J
540-59-0 1,2-Dichloroethene (total)	1	J
67-66-3 Chloroform	11	U
107-06-2 1,2-Dichloroethane	11	Ü
78-93-3 2-Butanone	4	J
71-55-6 1,1,1-Trichloroethane	12	0
56-23-5 Carbon Tetrachloride	11	Ū
75-27-4 Bromodichloromethane	<del>-  </del>	Ū
78-87-5 1,2-Dichloropropane		Ū
10061-01-5 cis-1,3-Dichloropropene		Ū
79-01-6 Trichloroethene	9	J
124-48-1 Dibromochloromethane	11	Ū
79-00-5 1,1,2-Trichloroethane		Ū
71-43-2 Benzene	11	Ū
10061-02-6 trans-1,3-Dichloropropene		Ū
75-25-2 Bromoform	11	Ū
108-10-1 4-Methyl-2-Pentanone	11	Ū
591-78-6 2-Hexanone	11	Ū
127-18-4 Tetrachloroethene	67	
79-34-5 1,1,2,2-Tetrachloroethane	<u> </u>	Ū
108-88-3 Toluene	2	J
108-90-7 Chlorobenzene	11	<del>- U</del>
100-41-4 Ethylbenzene	1	J
100-42-5 Styrene	11	Ū
1330-20-7 Xylene (total)	3	J

#### 1A NOLATILE ORGANICS ANALYSIS DATA SHEET NYSDEC SAMPLE NO.

Lab Name: STL/CT		Contract:	EB-1
Lab Code: IEACT	Case No.: 2987A	SAS No.: SDG N	o.: A2987
Matrix: (soil/water)	WATER	Lab Sample ID	: 992987A-10
Sample wt/vol:	5 (g/mL)ML	Lab File ID:	>05217
Level: (low/med)	LOW	Date Received	: 11/09/99
% Moisture: not dec.		Date Analyzed	: 11/09/99
GC Column: 007-624	ID: 0.53 (mm)	Dilution Fact	or: 1.0
Soil Extract Volume:	(uL)	Soil Aliquot	Volume:(uL)

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/L Q

74-87-3         Chloromethane         10         U           74-83-9         Bromomethane         10         U           75-01-4         Vinyl Chloride         10         U           75-00-3         Chloroethane         10         U           75-09-2         Methylene Chloride         .8         J           67-64-1         Acetone         5         JB           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethane         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-89-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           78-87-5         1,2-Dichloropropane         10         U           78-87-7         1,2-Dichloropropane         10         U           79-01-6         Trichloroethene         10         U           100-1-5         cis-1,3-Dichloroprope				
74-83-9         Bromomethane         10         U           75-01-4         Vinyl Chloride         10         U           75-00-3         Chloroethane         10         U           75-09-2         Methylene Chloride         .8         J           67-64-1         Acetone         .8         J           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethane         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           79-01-6         Trichloroethane         10         U           79-02-6         Trichloroethane         10         U           75-25-2         Benzene	74-87-3	Chloromethane	10	тт
75-01-4         Vinyl Chloride         10         U           75-00-3         Chloroethane         10         U           75-00-2         Methylene Chloride         .8         J           67-64-1         Acetone         5         JB           75-15-0         Carbon Disulfide         10         U           75-34-3         1,1-Dichloroethene         10         U           76-6-3         1,2-Dichloroethane         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           79-01-6         Trichloroethene         10         U           79-01-6         Trichloroethene         10         U           79-00-5         1,1,2-Trichloroethane         10         U           70-05-2         Benzene         10         U           108-10-1         4-Methyl-2-Pentanone<				
75-00-3         Chloroethane         10         U           75-09-2         Methylene Chloride         .8         J           67-64-1         Acetone         5         JB           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           67-66-3         1,2-Dichloroethene (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           78-87-5         1,2-Dichloropropane         10         U           78-87-5         1,2-Dichloropropane         10         U           10061-01-5         cis-1,3-Dichloropropane         10         U           104-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           104-48-1         Dibromochloromethane         10         U           105-	I			
75-09-2         Methylene Chloride         .8         J           67-64-1         Acetone         5         JB           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethene (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           1061-01-5         cis-1,3-Dichloropropene         10         U           179-01-6         Trichloroethene         10         U           179-00-5         1,1,2-Trichloroethane         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         10         U           59-1-78-6<	75-00-3			
67-64-1         Acetone         5         JB           75-15-0         Carbon Disulfide         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethane (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           78-87-5         1,2-Dichloropropane         10         U           79-01-6         Trichloroethene         10         U           79-01-6         Trichloroethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           70-43-2         Benzene         10         U           10061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1 <td< td=""><td>75-09-2</td><td></td><td></td><td></td></td<>	75-09-2			
75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethene (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           56-23-5         Carbon Tetrachloride         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           10061-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         10         U	67-64-1	<u> </u>		- 1
75-35-4       1,1-Dichloroethene       10       U         75-34-3       1,1-Dichloroethane       10       U         540-59-0       1,2-Dichloroethene (total)       10       U         67-66-3       Chloroform       10       U         107-06-2       1,2-Dichloroethane       10       U         78-93-3       2-Butanone       2       JB         71-55-6       1,1,1-Trichloroethane       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         107-18-4       Tetrachloroethene       10       U         108-88-3				
75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethene (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           56-23-5         Carbon Tetrachloride         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           10061-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           71-43-2         Benzene         10         U           10061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         10         U	75-35-4	1.1-Dichloroethene		- 1
540-59-0       1,2-Dichloroethene (total)       10       U         67-66-3       Chloroform       10       U         107-06-2       1,2-Dichloroethane       10       U         78-93-3       2-Butanone       2       JB         71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         107-18-4       Tetrachloroethene       10       U         108-88-3				
67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           56-23-5         Carbon Tetrachloride         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           10061-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           79-01-6         Trichloroethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           71-43-2         Benzene         10         U           10061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         10         U           109-78-6         2-Hexanone         10         U           107-18-4         Tetrachloroethene         10         U           108-88-3				
107-06-2       1,2-Dichloroethane       10       U         78-93-3       2-Butanone       2       JB         71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         1061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         108-90-7       Chlorobenzene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethy	67-66-3			
78-93-3         2-Butanone         2 JB           71-55-6         1,1,1-Trichloroethane         10 U           56-23-5         Carbon Tetrachloride         10 U           75-27-4         Bromodichloromethane         10 U           78-87-5         1,2-Dichloropropane         10 U           10061-01-5         cis-1,3-Dichloropropene         10 U           79-01-6         Trichloroethene         10 U           124-48-1         Dibromochloromethane         10 U           79-00-5         1,1,2-Trichloroethane         10 U           71-43-2         Benzene         10 U           10061-02-6         trans-1,3-Dichloropropene         10 U           75-25-2         Bromoform         10 U           108-10-1         4-Methyl-2-Pentanone         10 U           127-18-4         Tetrachloroethene         10 U           127-18-4         Tetrachloroethene         10 U           108-88-3         Toluene         10 U           108-90-7         Chlorobenzene         10 U           100-41-4         Ethylbenzene         10 U           100-42-5         Styrene         10 U	107-06-2	1,2-Dichloroethane		
71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5	78-93-3			- 1
56-23-5         Carbon Tetrachloride         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           10061-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           71-43-2         Benzene         10         U           10061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         10         U           591-78-6         2-Hexanone         10         U           127-18-4         Tetrachloroethene         10         U           79-34-5         1,1,2,2-Tetrachloroethane         10         U           108-88-3         Toluene         10         U           108-90-7         Chlorobenzene         10         U           100-41-4         Ethylbenzene         10         U	71-55-6	1,1,1-Trichloroethane		
75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	56-23-5			~
78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	75-27-4			- 1
10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	78-87-5	1,2-Dichloropropane		
79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	10061-01-5	cis-1,3-Dichloropropene		
124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	79-01-6	Trichloroethene		
79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	124-48-1	Dibromochloromethane		- 3.
71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	79-00-5			
10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	71-43-2	Benzene	<del></del>	
75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	10061-02-6	trans-1,3-Dichloropropene		
108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	75-25-2			
591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U		4-Methyl-2-Pentanone		
127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	591-78-6			
79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U				
108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	79-34-5	1,1,2,2-Tetrachloroethane		
108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U		Toluene		
100-41-4         Ethylbenzene         10         U           100-42-5         Styrene         10         U	108-90-7			
100-42-5 Styrene 10 U	100-41-4	Ethylbenzene		
		Styrene		
	1330-20-7	Xylene (total)		

CONCENTRATION UNITS:

VOLATILE ORGANICS ANALYSIS DATA SHEET

T - h - %	·	omt /om		LP-13	END
nan t	: eme	STL/CT	Contract:		

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix: (soil/water) SOIL Lab Sample ID: 992987A-11

Sample wt/vol: 5 (g/mL)G Lab File ID: >K7602

Level: (low/med) LOW Date Received: 11/09/99

% Moisture: not dec. 16 Date Analyzed: 11/12/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	Ü
75-01-4	Vinyl Chloride	12	<del>U</del>
75-00-3	Chloroethane	12	Ū
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	8	JB
75-15-0	Carbon Disulfide	2	J
75-35-4	1,1-Dichloroethene	12	Ŭ
75-34-3	1,1-Dichloroethane	12	Ū
540-59-0	1,2-Dichloroethene (total		J
67-66-3	Chloroform	12	Ū
107-06-2	1,2-Dichloroethane	12	Ū
78-93-3	2-Butanone	12	Ū
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon Tetrachloride	12	<del>u</del>
75-27-4	Bromodichloromethane	12	Ū
78-87-5	1,2-Dichloropropane	12	Ü
10061-01-5	cis-1,3-Dichloropropene	12	Ū
79-01-6	Trichloroethene	2	J
124-48-1	Dibromochloromethane	12	Ū
79-00-5	1,1,2-Trichloroethane	12	Ū
71-43-2	Benzene	12	Ū
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	Ū
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	Ū
127-18-4	Tetrachloroethene	26	
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	Ü
108-90-7	Chlorobenzene	12	Ū
100-41-4	Ethylbenzene	12	Ū
100-42-5	Styrene	12	Ū
1330-20-7	Xylene (total)	12	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT		Contract:DOWNSTREAM D
Lab Code: IEACT	Case No.: 2987A	SAS No.: SDG No.: A2987
Matrix: (soil/water	)WATER	Lab Sample ID: 992987A-12
Sample wt/vol:	5 (g/mL)ML	Lab File ID: >06219
Level: (low/med)	LOW	Date Received: 11/09/99
% Moisture: not dec	•	Date Analyzed: 11/09/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

CAS NO. COMPOUND

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

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

	(43/1 01 43/		~
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	10	<del>- Ŭ</del>
75-01-4	Vinyl Chloride	10	Ū
75-00-3	Chloroethane	10	Ŭ
75-09-2	Methylene Chloride	. 6	Ĵ
67-64-1	Acetone	4	JB
75-15-0	Carbon Disulfide	10	Ū
75-35-4	1,1-Dichloroethene	10	Ū
75-34-3	1,1-Dichloroethane	.4	J
540-59-0	1,2-Dichloroethene (total)	2	J
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	3	JB
71-55-6	1,1,1-Trichloroethane	. 5	J
56-23-5	Carbon Tetrachloride	10	Ū
75-27-4	Bromodichloromethane	10	Ū
78-87-5	1,2-Dichloropropane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	3	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	Ū
71-43-2	Benzene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	Ü
75-25-2	Bromoform	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	Ū
591-78-6	2-Hexanone	10	Ū
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	10	Ŭ
108-88-3	Toluene	10	Ū
108-90-7	Chlorobenzene	10	Ū
100-41-4	Ethylbenzene	10	Ū
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	.3	J

#### 1A NOLATILE ORGANICS ANALYSIS DATA SHEET NYSDEC SAMPLE NO.

Lab Name: STL/CT	Contract: TB-1
Lab Code: IEACT Case No.: 2987A	SAS No.: SDG No.: A2987
Matrix: (soil/water)WATER	Lab Sample ID: 992987A-13
Sample wt/vol: 5 (g/mL)ML	Lab File ID: >06216
Level: (low/med) LOW	Date Received: 11/09/99
% Moisture: not dec	Date Analyzed: 11/09/99
GC Column: 007-624 ID: 0.53 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/L Q

			<del></del>
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	$-\check{f u}-$
75-01-4	Vinyl Chloride	10	Ŭ
75-00-3	Chloroethane	10	Ŭ
75-09-2	Methylene Chloride	1	Ĵ
67-64-1	Acetone	4	JB
75-15-0	Carbon Disulfide	10	Ū
75-35-4	1,1-Dichloroethene	10	Ū
75-34-3	1,1-Dichloroethane	10	Ū
540-59-0	1,2-Dichloroethene (total)	10	Ū
67-66-3	Chloroform	10	Ū
107-06-2	1,2-Dichloroethane	10	Ū
78-93-3	2-Butanone	2	JB
71-55-6	1,1,1-Trichloroethane	10	Ū
56-23-5	Carbon Tetrachloride	10	Ū
75-27-4	Bromodichloromethane	10	Ū
78-87-5	1,2-Dichloropropane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	Ū
124-48-1	Dibromochloromethane	10	Ū
79-00-5	1,1,2-Trichloroethane	10	Ū
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	Ū
75-25-2	Bromoform	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	Ū
591-78-6	2-Hexanone	10	Ū
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
108-88-3	Toluene	10	Ū
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	Ū
1330-20-7	Xylene (total)	. 3	J

NYSDEC SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET

			LP-11	FND
Lab Name:	STL/CT	Contract:	202 22	LIND

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix: (soil/water)SOIL Lab Sample ID: 992987A-14

Sample wt/vol: 5 (g/mL)G Lab File ID: >K7603

Level: (low/med) LOW Date Received: 11/09/99

% Moisture: not dec. 7 Date Analyzed: 11/12/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/KG (	Ç

		79-777704-785120-1
Chloromethane	7.7	Ū
Bromomethane	<del></del>	U
Vinvl Chloride		$-\frac{0}{U}$
	+·	U
Acetone		JB -
Carbon Disulfide		- <del>U</del>
1,1-Dichloroethene	4	U
1,1-Dichloroethane		<del>- 0</del>
1,2-Dichloroethene (total)		<del>- U</del> -
Chloroform		U U
1,2-Dichloroethane		Ū
2-Butanone		J
1,1,1-Trichloroethane		<del>Ŭ</del>
Carbon Tetrachloride		<del>-</del>
Bromodichloromethane	<del> </del>	<del>- Ŭ</del>
1,2-Dichloropropane	<del></del>	<del>- Ŭ</del>
cis-1,3-Dichloropropene		<del>- ŭ</del> -
Trichloroethene		<del>- j</del> -
Dibromochloromethane		<del>- ŭ</del>
1,1,2-Trichloroethane		Ū
Benzene		<del>u</del> l
trans-1,3-Dichloropropene		<del>- ŭ</del>
Bromoform		<del>Ŭ</del>
4-Methyl-2-Pentanone		Ū
2-Hexanone		ŪΠ
Tetrachloroethene	2	J
1,1,2,2-Tetrachloroethane		Ū
Toluene		<del>- ŭ</del>
Chlorobenzene	<u> </u>	<del>- ŏ</del> -∥
Ethylbenzene		
Styrene		<del>ŏ</del> ∥
Xylene (total)	11	−ŏ∥
	Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene	Bromomethane

NYSDEC SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab	Name:	STL/CT				Contract:			EB-2		
Lab	Code:	IEACT	Case	No.:	2987A	SAS No.: _		SDG N	10.: A	2987	
Mati	rix: (s	soil/water)	WATER	3		Li	ab Samr	ole TE	) 992	9872_15	

Lab Sample ID: 992987A-15 Sample wt/vol: 5 (g/mL)ML

Lab File ID: >06241 Level: (low/med) LOW Date Received: 11/10/99

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/10/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/L

74-87-3         Chloromethane         10         U           74-83-9         Bromomethane         10         U           75-01-4         Vinyl Chloride         10         U           75-00-3         Chloroethane         10         U           75-09-2         Methylene Chloride         .8         J           67-64-1         Acetone         4         JB           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethane         10         U           75-35-4         1,1-Dichloroethane         10         U           75-34-3         1,1-Dichloroethane         10         U           75-35-4         1,2-Dichloroethane         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropene         10         U           79-01-6         Trichloroethane <th></th> <th></th> <th></th> <th></th>				
74-83-9         Bromomethane         10         U           75-01-4         Vinyl Chloride         10         U           75-09-2         Methylene Chloride         .8         J           67-64-1         Acetone         4         JB           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethane         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           56-23-5         Carbon Tetrachloride         10         U           78-87-5         1,2-Dichloropropane         10         U           108-101-5         1,2-Dichloropropane         10         U           109-27-6         Trichloroethane         10         U           109-01-6         Trichloroethane         10         U           109-01-6         Trichl	74-87-3	Chloromethane	10	ŤŦ.
75-01-4         Vinyl Chloride         10         U           75-00-3         Chloroethane         10         U           75-09-2         Methylene Chloride         .8         J           67-64-1         Acetone         4         JB           75-15-0         Carbon Disulfide         10         U           75-34-3         1,1-Dichloroethene         10         U           540-59-0         1,2-Dichloroethane         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           1061-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           75-25-2         Benzene         10         U           1061-02-6         trans-1,	74-83-9			
75-00-3         Chloroethane         10         U           75-09-2         Methylene Chloride         .8         J           67-64-1         Acetone         4         JB           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-35-4         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethane         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           78-87-5         1,2-Dichloropropane         10         U           79-01-6         Trichloroethene         10         U           79-01-6         Trichloroethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           75-25-2         Brom	75-01-4	Vinyl Chloride		
75-09-2         Methylene Chloride         .8         J           67-64-1         Acetone         4         JB           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethane (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           10061-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           71-48-1         Benzene         10         U           10061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1	75-00-3	Chloroethane		
67-64-1         Acetone         4         JB           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethene (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           1061-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           75-25-2         Bromoform         10         U           100-1-2-6<	75-09-2	Methylene Chloride		
75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethene         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           56-23-5         Carbon Tetrachloride         10         U           78-87-5         1,2-Dichloropropane         10         U           78-87-5         1,2-Dichloropropane         10         U           10661-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           71-43-2         Benzene         10         U           10061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1<	67-64-1			
75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethene (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           71-43-2         Benzene         10         U           106-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         10         U           109-	75-15-0	Carbon Disulfide		
75-34-3	75-35-4			
540-59-0       1,2-Dichloroethene (total)       10       U         67-66-3       Chloroform       10       U         107-06-2       1,2-Dichloroethane       10       U         78-93-3       2-Butanone       2       JB         71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         70-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         107-18-4       Tetrachloroethene       10       U         108-88-3	75-34-3			
67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           56-23-5         Carbon Tetrachloride         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           10061-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           71-43-2         Benzene         10         U           1061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         10         U           591-78-6         2-Hexanone         10         U           107-18-4         Tetrachloroethene         10         U           108-88-3 <td>540-59-0</td> <td></td> <td></td> <td></td>	540-59-0			
107-06-2       1,2-Dichloroethane       10       U         78-93-3       2-Butanone       2       JB         71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         127-18-4       Tetrachloroethene       10       U         127-18-4       Tetrachloroethene       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Et				
78-93-3         2-Butanone         2 JB           71-55-6         1,1,1-Trichloroethane         10 U           56-23-5         Carbon Tetrachloride         10 U           75-27-4         Bromodichloromethane         10 U           78-87-5         1,2-Dichloropropane         10 U           10061-01-5         cis-1,3-Dichloropropene         10 U           79-01-6         Trichloroethene         10 U           124-48-1         Dibromochloromethane         10 U           79-00-5         1,1,2-Trichloroethane         10 U           71-43-2         Benzene         10 U           10061-02-6         trans-1,3-Dichloropropene         10 U           75-25-2         Bromoform         10 U           108-10-1         4-Methyl-2-Pentanone         10 U           591-78-6         2-Hexanone         10 U           127-18-4         Tetrachloroethene         10 U           79-34-5         1,1,2,2-Tetrachloroethane         10 U           108-88-3         Toluene         10 U           108-88-3         Toluene         10 U           100-41-4         Ethylbenzene         10 U           100-42-5         Styrene         10 U	107-06-2	1,2-Dichloroethane		- 1
71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         127-18-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U	78-93-3			
56-23-5         Carbon Tetrachloride         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           10061-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           71-43-2         Benzene         10         U           10061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         10         U           591-78-6         2-Hexanone         10         U           127-18-4         Tetrachloroethene         10         U           79-34-5         1,1,2,2-Tetrachloroethane         10         U           108-88-3         Toluene         10         U           108-90-7         Chlorobenzene         10         U           100-41-4         Ethylbenzene         10         U	71-55-6	1,1,1-Trichloroethane		
75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	56-23-5	Carbon Tetrachloride		
78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	75-27-4	Bromodichloromethane		
10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	78-87-5	1,2-Dichloropropane		
79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	10061-01-5	cis-1,3-Dichloropropene		
124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	79-01-6	Trichloroethene	- I	
79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	124-48-1	Dibromochloromethane	· · · · · · · · · · · · · · · · · · ·	
71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	79-00-5	1,1,2-Trichloroethane	<u> </u>	
10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	71-43-2	Benzene	1	
75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	10061-02-6	trans-1,3-Dichloropropene	<u> </u>	
108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	75-25-2		<u> </u>	
591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	108-10-1	4-Methyl-2-Pentanone	<del></del>	
127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	591-78-6	2-Hexanone	<u> </u>	
79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	127-18-4			
108-88-3         Toluene         10         U           108-90-7         Chlorobenzene         10         U           100-41-4         Ethylbenzene         10         U           100-42-5         Styrene         10         U	79-34-5			
108-90-7         Chlorobenzene         10         U           100-41-4         Ethylbenzene         10         U           100-42-5         Styrene         10         U	108-88-3			
100-41-4         Ethylbenzene         10         U           100-42-5         Styrene         10         U	108-90-7		<del> </del>	
100-42-5 Styrene 10 U	100-41-4			
	100-42-5		<u> </u>	
	1330-20-7			

TB-2

Date Received: 11/10/99

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT		Contract:	
Lab Code: IEACT	Case No.: 2987A	SAS No.:SDG No.	.: A2987
Matrix: (soil/water	WATER	Lab Sample ID:	992987A-16
Sample wt/vol:	5 (g/mL)ML	Lab File ID:	>06240

% Moisture: not dec. Date Analyzed: 11/10/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Level: (low/med) LOW

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

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/L Q

74-87-3         Chloromethane         10         U           74-83-9         Bromomethane         10         U           75-01-4         Vinyl Chloride         10         U           75-00-3         Chloroethane         10         U           75-09-2         Methylene Chloride         2         J           67-64-1         Acetone         2         JB           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-35-4         1,1-Dichloroethane         10         U           75-35-4         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethane         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           75-27-4         Bromodichloromethane         10         U           79-01-6         Trichloroethene         10         U           1061-01-5         cis-1,3-Di				
74-83-9         Bromomethane         10         U           75-01-4         Vinyl Chloride         10         U           75-00-3         Chloroethane         10         U           75-09-2         Methylene Chloride         2         J           67-64-1         Acetone         2         JB           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethene (total)         10         U           67-66-3         Chloroform         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         Carbon Tetrachloride         10         U           79-27-4         Bromodichloromethane         10         U           1061-01-5         cis-1,3-Dichloropropane         10         U           107-8-8-5         1,1,2-Trichloroethane         10         U           79-01-6	74-87-3	Chloromethane	10	TT
75-01-4		Bromomethane		
75-09-3	75-01-4	Vinyl Chloride		
75-09-2		Chloroethane		
67-64-1       Acetone       2 JB         75-15-0       Carbon Disulfide       10 U         75-35-4       1,1-Dichloroethene       10 U         75-34-3       1,1-Dichloroethane       10 U         540-59-0       1,2-Dichloroethene (total)       10 U         67-66-3       Chloroform       10 U         107-06-2       1,2-Dichloroethane       2 JB         78-93-3       2-Butanone       2 JB         71-55-6       1,1,1-Trichloroethane       10 U         75-27-4       Bromodichloromethane       10 U         75-27-4       Bromodichloromethane       10 U         78-87-5       1,2-Dichloropropane       10 U         10061-01-5       Cis-1,3-Dichloropropene       10 U         79-01-6       Trichloroethene       10 U         124-48-1       Dibromochloromethane       10 U         79-00-5       1,1,2-Trichloroethane       10 U         70-43-2       Benzene       10 U         10061-02-6       trans-1,3-Dichloropropene       10 U         75-25-2       Bromoform       10 U         108-10-1       4-Methyl-2-Pentanone       10 U         127-18-4       Tetrachloroethene       10 U         127-18	75-09-2	Methylene Chloride	<del> </del>	- (
75-15-0   Carbon Disulfide	67-64-1	Acetone		
75-35-4         1,1-Dichloroethane         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethane (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         2         JB           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           1061-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           71-43-2         Benzene         10         U           1061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U <td< td=""><td></td><td>Carbon Disulfide</td><td><del></del></td><td></td></td<>		Carbon Disulfide	<del></del>	
75-34-3	75-35-4	1,1-Dichloroethene		· · · · · · · · · · · · · · · · · · ·
540-59-0       1,2-Dichloroethene (total)       10       U         67-66-3       Chloroform       10       U         107-06-2       1,2-Dichloroethane       10       U         78-93-3       2-Butanone       2       JB         71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         108-88-3	75-34-3	1,1-Dichloroethane		- ,
67-66-3       Chloroform       10       U         107-06-2       1,2-Dichloroethane       10       U         78-93-3       2-Butanone       2       JB         71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropane       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-88-3       Toluene<	540-59-0	1,2-Dichloroethene (total)		
107-06-2       1,2-Dichloroethane       10       U         78-93-3       2-Butanone       2       JB         71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethane       10       U         79-01-6       Trichloroethane       10       U         79-02-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-88-3       Toluene       10       U         100-41-4       Ethylbenzene	67-66-3	Chloroform	t	
78-93-3       2-Butanone       2 JB         71-55-6       1,1,1-Trichloroethane       10 U         56-23-5       Carbon Tetrachloride       10 U         75-27-4       Bromodichloromethane       10 U         78-87-5       1,2-Dichloropropane       10 U         10061-01-5       cis-1,3-Dichloropropene       10 U         79-01-6       Trichloroethene       10 U         124-48-1       Dibromochloromethane       10 U         79-00-5       1,1,2-Trichloroethane       10 U         71-43-2       Benzene       10 U         10061-02-6       trans-1,3-Dichloropropene       10 U         75-25-2       Bromoform       10 U         108-10-1       4-Methyl-2-Pentanone       10 U         127-18-4       Tetrachloroethene       10 U         127-18-4       Tetrachloroethene       10 U         108-88-3       Toluene       10 U         108-90-7       Chlorobenzene       10 U         100-41-4       Ethylbenzene       10 U         100-42-5       Styrene       10 U		1,2-Dichloroethane		
71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         1061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U				- 11
56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U		1,1,1-Trichloroethane	· · · · · · · · · · · · · · · · · · ·	
75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	56-23-5	Carbon Tetrachloride	<u></u>	- 1
78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	75-27-4	Bromodichloromethane		
10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	78-87-5	1,2-Dichloropropane		
79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U		cis-1,3-Dichloropropene		
124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	79-01-6	Trichloroethene		
79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	124-48-1	Dibromochloromethane		- 1
71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	79-00-5			- 11
10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	71-43-2	Benzene		
75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	10061-02-6	trans-1,3-Dichloropropene		- 11
108-10-1       4-Methyl-2-Pentanone       10       U         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	75-25-2	Bromoform		
591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	108-10-1	4-Methyl-2-Pentanone		
127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	591-78-6	2-Hexanone		
79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	127-18-4	Tetrachloroethene	<u> </u>	
108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	79-34-5	1,1,2,2-Tetrachloroethane		
108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	108-88-3			- II
100-41-4         Ethylbenzene         10         U           100-42-5         Styrene         10         U	108-90-7	Chlorobenzene		- 11
100-42-5 Styrene 10 U	100-41-4			1
			<u> </u>	- /:
	1330-20-7			

VOLATILE ORGANICS ANALYSIS DATA SHEET

	LP-8 END
Contract:	

Lab File ID: >K7612

Dilution Factor: 1.0

CONCENTRATION UNITS:

Lab Code: IEACT Case No.: 2987A SAS No.: SDG No.: A2987

Lab Name: STL/CT

Lab Sample ID: 992987A-17 Matrix: (soil/water)SOIL

Sample wt/vol: 5 (g/mL)G Date Received: 11/10/99 Level: (low/med) LOW

Date Analyzed: 11/12/99 % Moisture: not dec. 19

GC Column: 007-624 ID: 0.53 (mm)

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

CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	Ū
75-01-4	Vinyl Chloride	12	Ū
75-00-3	Chloroethane	12	Ū
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	12	
75-15-0	Carbon Disulfide	12	Ū
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	Ü
540-59-0	1,2-Dichloroethene (total	12	U
67-66-3	Chloroform	12	Ū
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	2	J
71-55-6	1,1,1-Trichloroethane	12	Ū
56-23-5	Carbon Tetrachloride	12	Ū
75-27-4	Bromodichloromethane	12	Ŭ
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	1.2	Ū
79-01-6	Trichloroethene	3	J
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	Ū
10061-02-6	trans-1,3-Dichloropropene	12	Ū
75-25-2	Bromoform	12	Ū
108-10-1	4-Methyl-2-Pentanone	1	J
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	4.8	
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	, 5	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	Ü
100-42-5	Styrene	12	Ŭ
1330-20-7	Xylene (total)	12	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

_				LP-3 END
Lab Name:	STL/CT	Co.	ontract:	

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix: (soil/water) SOIL Lab Sample ID: 992987A-18

Sample wt/vol: 4 (g/mL)G Lab File ID: >06290

Level: (low/med) MED Date Received: 11/10/99

% Moisture: not dec. 17 Date Analyzed: 11/15/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:

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

74-87-3	Chloromethane	1400	U
74-83-9	Bromomethane	1400	Ū
75-01-4	Vinyl Chloride	1400	Ū
75-00-3	Chloroethane	1400	Ū
75-09-2	Methylene Chloride	220	JB
67-64-1	Acetone	710	JB
75-15-0	Carbon Disulfide	1400	Ü
75-35-4	1,1-Dichloroethene	1400	Ū
75-34-3	1,1-Dichloroethane	1400	Ü
540-59-0	1,2-Dichloroethene (total)	1400	Ū
67-66-3	Chloroform	1400	U
107-06-2	1,2-Dichloroethane	1400	U
78-93-3	2-Butanone	1400	
71-55-6	1,1,1-Trichloroethane	1400	Ū
56-23-5	Carbon Tetrachloride	1400	Ū
75-27-4	Bromodichloromethane	1400	Ū
78-87-5	1,2-Dichloropropane	1400	Ū
10061-01-5	cis-1,3-Dichloropropene	1400	Ū
79-01-6	Trichloroethene	1400	Ū
124-48-1	Dibromochloromethane	1400	Ū
79-00-5	1,1,2-Trichloroethane	1400	Ü
71-43-2	Benzene	1400	Ū
10061-02-6	trans-1,3-Dichloropropene	1400	Ū
75-25-2	Bromoform	1400	Ū I
108-10-1	4-Methyl-2-Pentanone	1400	U
591-78-6	2-Hexanone	1400	Ū
127-18-4	Tetrachloroethene	5600	
79-34-5	1,1,2,2-Tetrachloroethane	1400	U
108-88-3	Toluene	1400	Ū
108-90-7	Chlorobenzene	1400	<del>- 0</del>
100-41-4	Ethylbenzene	1400	Ū
100-42-5	Styrene	1400	Ū
1330-20-7	Xylene (total)	1400	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

				LP-3 ENDRE
Lab	Name:	STL/CT	Contract:	
		•		

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix: (soil/water) SOIL Lab Sample ID: 992987A-18RE

Sample wt/vol: 4 (g/mL)GLab File ID: >06292

Level: (low/med) MED Date Received: 11/10/99

% Moisture: not dec. 17 Date Analyzed: 11/15/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Aliquot Volume: 100 (uL) Soil Extract Volume: 10000 (uL)

		CONCENTRATION UNITS:
CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/KG (

74-87-3         Chloromethane         1400         U           74-83-9         Bromomethane         1400         U           75-01-4         Vinyl Chloride         1400         U           75-00-3         Chloroethane         1400         U           75-09-2         Methylene Chloride         90         JB           67-64-1         Acetone         950         JB           75-15-0         Carbon Disulfide         1400         U           75-35-4         1,1-Dichloroethene         1400         U           75-34-3         1,1-Dichloroethane         1400         U           540-59-0         1,2-Dichloroethane         1400         U           67-66-3         Chloroform         1400         U           107-06-2         1,2-Dichloroethane         1500           71-55-6         1,1,1-Trichloroethane         1500           72-55-6         1,1,1-Trichloroethane         1400         U           78-87-5         1,2-Dichloropropane         1400         U           78-87-5         1,2-Dichloropropane         1400         U           1061-01-5         cis-1,3-Dichloropropane         1400         U           124-48-1         Dibr				
74-83-9         Bromomethane         1400         U           75-01-4         Vinyl Chloride         1400         U           75-00-3         Chloroethane         1400         U           75-09-2         Methylene Chloride         90         JB           67-64-1         Acetone         950         JB           75-15-0         Carbon Disulfide         1400         U           75-34-3         1,1-Dichloroethene         1400         U           75-34-3         1,1-Dichloroethane         1400         U           540-59-0         1,2-Dichloroethene (total)         1400         U           107-06-2         1,2-Dichloroethane         1400         U           78-93-3         2-Butanone         1500         T           71-55-6         1,1,1-Trichloroethane         1400         U           75-27-4         Bromodichloromethane         1400         U           78-87-5         1,2-Dichloropropane         1400         U           79-01-6         Trichloroethane         1400         U           79-01-6         Trichloroethane         1400         U           79-00-5         1,1,2-Trichloroethane         1400         U	74-87-3	Chloromethane	1400	τr
75-01-4				-
75-09-3         Chloroethane         1400         U           75-09-2         Methylene Chloride         90         JB           67-64-1         Acetone         950         JB           75-15-0         Carbon Disulfide         1400         U           75-35-4         1,1-Dichloroethene         1400         U           75-34-3         1,1-Dichloroethane         1400         U           67-66-3         Chloroform         1400         U           107-06-2         1,2-Dichloroethane         1400         U           78-93-3         2-Butanone         1500           71-55-6         1,1,1-Trichloroethane         1400         U           75-27-4         Bromodichloromethane         1400         U           78-87-5         1,2-Dichloropropane         1400         U           10061-01-5         cis-1,3-Dichloropropene         1400         U           79-01-6         Trichloroethene         1400         U           124-48-1         Dibromochloromethane         1400         U           79-00-5         1,1,2-Trichloroethane         1400         U           70-43-2         Benzene         1400         U           100-61-02-6 <td></td> <td>1</td> <td></td> <td>-</td>		1		-
75-09-2   Methylene Chloride	t	A		
67-64-1         Acetone         950 JB           75-15-0         Carbon Disulfide         1400 U           75-35-4         1,1-Dichloroethane         1400 U           75-34-3         1,1-Dichloroethane         1400 U           540-59-0         1,2-Dichloroethene (total)         1400 U           67-66-3         Chloroform         1400 U           107-06-2         1,2-Dichloroethane         1400 U           78-93-3         2-Butanone         1500           71-55-6         1,1,1-Trichloroethane         1400 U           75-27-4         Bromodichloromethane         1400 U           78-87-5         1,2-Dichloropropane         1400 U           10061-01-5         cis-1,3-Dichloropropene         1400 U           79-01-6         Trichloroethane         1400 U           79-00-5         1,1,2-Trichloroethane         1400 U           71-43-2         Benzene         1400 U           1061-02-6         trans-1,3-Dichloropropene         1400 U           75-25-2         Bromoform         1400 U           108-10-1         4-Methyl-2-Pentanone         1400 U           127-18-4         Tetrachloroethane         1400 U           127-18-4         Tetrachloroethane         1				_
75-15-0         Carbon Disulfide         1400         U           75-35-4         1,1-Dichloroethene         1400         U           75-34-3         1,1-Dichloroethane         1400         U           540-59-0         1,2-Dichloroethene (total)         1400         U           67-66-3         Chloroform         1400         U           107-06-2         1,2-Dichloroethane         1500           71-55-6         1,1,1-Trichloroethane         1400         U           75-27-4         Bromodichloromethane         1400         U           78-87-5         1,2-Dichloropropane         1400         U           79-01-6         Trichloroethene         1400         U           79-01-6         Trichloroethene         1400         U           79-02-5         1,1,2-Trichloroethane         1400         U           79-03-5         1,1,2-Trichloroethane         1400         U           79-04-8         1,1,2-Trichloroethane         1400         U           79-05-9         1,1,2-Trichloroethane         1400         U           79-30-5         1,1,2-Trichloroethane         1400         U           75-25-2         Bromoform         1400         U				
75-35-4         1,1-Dichloroethane         1400         U           75-34-3         1,1-Dichloroethane         1400         U           540-59-0         1,2-Dichloroethane (total)         1400         U           67-66-3         Chloroform         1400         U           107-06-2         1,2-Dichloroethane         1400         U           78-93-3         2-Butanone         1500           71-55-6         1,1,1-Trichloroethane         1400         U           56-23-5         Carbon Tetrachloride         1400         U           75-27-4         Bromodichloromethane         1400         U           78-87-5         1,2-Dichloropropane         1400         U           10061-01-5         cis-1,3-Dichloropropene         1400         U           79-01-6         Trichloroethene         1400         U           124-48-1         Dibromochloromethane         1400         U           79-01-6         Trichloroethene         1400         U           79-02-5         1,1,2-Trichloroethane         1400         U           10061-02-6         trans-1,3-Dichloropropene         1400         U           75-25-2         Bromoform         1400         U     <				
75-34-3         1,1-Dichloroethane         1400         U           540-59-0         1,2-Dichloroethene (total)         1400         U           67-66-3         Chloroform         1400         U           107-06-2         1,2-Dichloroethane         1400         U           78-93-3         2-Butanone         1500           71-55-6         1,1,1-Trichloroethane         1400         U           56-23-5         Carbon Tetrachloride         1400         U           78-87-5         1,2-Dichloropropane         1400         U           10061-01-5         cis-1,3-Dichloropropane         1400         U           12-48-1         Dibromochloromethane         1400         U           12-48-1         Dibromochloromethane         1400         U           17-3-2         Benzene         1400         U           10061-02-6         trans-1,3-Dichloropropene         1400         U           105-25-2         Bromoform         1400         U           108-10-1         4-Methyl-2-Pentanone         1400         U           127-18-4         Tetrachloroethene         5000           79-34-5         1,1,2,2-Tetrachloroethane         1400         U				
540-59-0       1,2-Dichloroethene (total)       1400       U         67-66-3       Chloroform       1400       U         107-06-2       1,2-Dichloroethane       1400       U         78-93-3       2-Butanone       1500         71-55-6       1,1,1-Trichloroethane       1400       U         56-23-5       Carbon Tetrachloride       1400       U         75-27-4       Bromodichloromethane       1400       U         78-87-5       1,2-Dichloropropane       1400       U         10061-01-5       cis-1,3-Dichloropropene       1400       U         79-01-6       Trichloroethene       1400       U         124-48-1       Dibromochloromethane       1400       U         79-00-5       1,1,2-Trichloroethane       1400       U         71-43-2       Benzene       1400       U         10061-02-6       trans-1,3-Dichloropropene       1400       U         75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         10				
67-66-3         Chloroform         1400         U           107-06-2         1,2-Dichloroethane         1400         U           78-93-3         2-Butanone         1500           71-55-6         1,1,1-Trichloroethane         1400         U           76-23-5         Carbon Tetrachloride         1400         U           78-87-5         1,2-Dichloropropane         1400         U           10061-01-5         cis-1,3-Dichloropropene         1400         U           79-01-6         Trichloroethene         1400         U           124-48-1         Dibromochloromethane         1400         U           79-00-5         1,1,2-Trichloroethane         1400         U           71-43-2         Benzene         1400         U           10061-02-6         trans-1,3-Dichloropropene         1400         U           75-25-2         Bromoform         1400         U           108-10-1         4-Methyl-2-Pentanone         1400         U           127-18-4         Tetrachloroethene         5000           79-34-5         1,1,2,2-Tetrachloroethane         1400         U           108-88-3         Toluene         1400         U           108-90-7 <td></td> <td></td> <td></td> <td></td>				
107-06-2       1,2-Dichloroethane       1400       U         78-93-3       2-Butanone       1500         71-55-6       1,1,1-Trichloroethane       1400       U         56-23-5       Carbon Tetrachloride       1400       U         75-27-4       Bromodichloromethane       1400       U         78-87-5       1,2-Dichloropropane       1400       U         10061-01-5       cis-1,3-Dichloropropene       1400       U         79-01-6       Trichloroethene       1400       U         124-48-1       Dibromochloromethane       1400       U         79-00-5       1,1,2-Trichloroethane       1400       U         71-43-2       Benzene       1400       U         10061-02-6       trans-1,3-Dichloropropene       1400       U         75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-42-5		,		
78-93-3         2-Butanone         1500           71-55-6         1,1,1-Trichloroethane         1400         U           56-23-5         Carbon Tetrachloride         1400         U           75-27-4         Bromodichloromethane         1400         U           78-87-5         1,2-Dichloropropane         1400         U           10061-01-5         cis-1,3-Dichloropropene         1400         U           79-01-6         Trichloroethene         1400         U           124-48-1         Dibromochloromethane         1400         U           79-00-5         1,1,2-Trichloroethane         1400         U           71-43-2         Benzene         1400         U           10061-02-6         trans-1,3-Dichloropropene         1400         U           75-25-2         Bromoform         1400         U           108-10-1         4-Methyl-2-Pentanone         1400         U           591-78-6         2-Hexanone         1400         U           79-34-5         1,1,2,2-Tetrachloroethane         1400         U           108-88-3         Toluene         1400         U           108-88-3         Toluene         1400         U           1				
71-55-6       1,1,1-Trichloroethane       1400       U         56-23-5       Carbon Tetrachloride       1400       U         75-27-4       Bromodichloromethane       1400       U         78-87-5       1,2-Dichloropropane       1400       U         10061-01-5       cis-1,3-Dichloropropene       1400       U         79-01-6       Trichloroethene       1400       U         124-48-1       Dibromochloromethane       1400       U         79-00-5       1,1,2-Trichloroethane       1400       U         71-43-2       Benzene       1400       U         1061-02-6       trans-1,3-Dichloropropene       1400       U         75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-89-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42		<u> </u>		
56-23-5         Carbon Tetrachloride         1400         U           75-27-4         Bromodichloromethane         1400         U           78-87-5         1,2-Dichloropropane         1400         U           10061-01-5         cis-1,3-Dichloropropene         1400         U           79-01-6         Trichloroethene         1400         U           124-48-1         Dibromochloromethane         1400         U           79-00-5         1,1,2-Trichloroethane         1400         U           71-43-2         Benzene         1400         U           10061-02-6         trans-1,3-Dichloropropene         1400         U           75-25-2         Bromoform         1400         U           108-10-1         4-Methyl-2-Pentanone         1400         U           591-78-6         2-Hexanone         1400         U           79-34-5         1,1,2,2-Tetrachloroethane         1400         U           108-88-3         Toluene         1400         U           108-90-7         Chlorobenzene         1400         U           100-41-4         Ethylbenzene         1400         U           100-42-5         Styrene         1400         U <td></td> <td></td> <td></td> <td>TT</td>				TT
75-27-4       Bromodichloromethane       1400       U         78-87-5       1,2-Dichloropropane       1400       U         10061-01-5       cis-1,3-Dichloropropene       1400       U         79-01-6       Trichloroethene       1400       U         124-48-1       Dibromochloromethane       1400       U         79-00-5       1,1,2-Trichloroethane       1400       U         71-43-2       Benzene       1400       U         10061-02-6       trans-1,3-Dichloropropene       1400       U         75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000       T         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U				
78-87-5       1,2-Dichloropropane       1400       U         10061-01-5       cis-1,3-Dichloropropene       1400       U         79-01-6       Trichloroethene       1400       U         124-48-1       Dibromochloromethane       1400       U         79-00-5       1,1,2-Trichloroethane       1400       U         71-43-2       Benzene       1400       U         10061-02-6       trans-1,3-Dichloropropene       1400       U         75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U				
10061-01-5       cis-1,3-Dichloropropene       1400       U         79-01-6       Trichloroethene       1400       U         124-48-1       Dibromochloromethane       1400       U         79-00-5       1,1,2-Trichloroethane       1400       U         71-43-2       Benzene       1400       U         10061-02-6       trans-1,3-Dichloropropene       1400       U         75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U		1.2-Dichloropropane		
79-01-6       Trichloroethene       1400       U         124-48-1       Dibromochloromethane       1400       U         79-00-5       1,1,2-Trichloroethane       1400       U         71-43-2       Benzene       1400       U         10061-02-6       trans-1,3-Dichloropropene       1400       U         75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U		cis-1.3-Dichloropropene		- 1
124-48-1       Dibromochloromethane       1400       U         79-00-5       1,1,2-Trichloroethane       1400       U         71-43-2       Benzene       1400       U         10061-02-6       trans-1,3-Dichloropropene       1400       U         75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U		Trichloroethene		
79-00-5       1,1,2-Trichloroethane       1400       U         71-43-2       Benzene       1400       U         10061-02-6       trans-1,3-Dichloropropene       1400       U         75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U				
71-43-2       Benzene       1400       U         10061-02-6       trans-1,3-Dichloropropene       1400       U         75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U				
10061-02-6       trans-1,3-Dichloropropene       1400       U         75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U				
75-25-2       Bromoform       1400       U         108-10-1       4-Methyl-2-Pentanone       1400       U         591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U				
108-10-1       4-Methyl-2-Pentanone       1400       U         591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U				
591-78-6       2-Hexanone       1400       U         127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U		1		
127-18-4       Tetrachloroethene       5000         79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U		l		-
79-34-5       1,1,2,2-Tetrachloroethane       1400       U         108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U				
108-88-3       Toluene       1400       U         108-90-7       Chlorobenzene       1400       U         100-41-4       Ethylbenzene       1400       U         100-42-5       Styrene       1400       U				FT FT
108-90-7         Chlorobenzene         1400         U           100-41-4         Ethylbenzene         1400         U           100-42-5         Styrene         1400         U				
100-41-4         Ethylbenzene         1400         U           100-42-5         Styrene         1400         U				
100-42-5 Styrene 1400 U			1	

VOLATILE ORGANICS ANALYSIS DATA SHEET

LP-1 END Lab Name: STL/CT Contract: \_\_\_\_

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix: (soil/water)SOIL Lab Sample ID: 992987A-19

Sample wt/vol: 4 (g/mL)GLab File ID: >06293

Level: (low/med) MED Date Received: 11/10/99

% Moisture: not dec. 17 Date Analyzed: 11/15/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 10 (ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/KG	0
0110 1.0.	COLLICOTED	(ug/li or ug/kg/ug/kg	$\cdot$

74-87-3         Chloromethane         6200         J           74-83-9         Bromomethane         14000         U           75-01-4         Vinyl Chloride         14000         U           75-00-3         Chloroethane         14000         U           75-09-2         Methylene Chloride         11000         JB           67-64-1         Acetone         11000         JB           75-15-0         Carbon Disulfide         14000         U           75-35-4         1,1-Dichloroethene         14000         U           75-34-3         1,1-Dichloroethane         14000         U           540-59-0         1,2-Dichloroethane         14000         U           67-66-3         Chloroform         14000         U           107-06-2         1,2-Dichloroethane         14000         U           78-93-3         2-Butanone         6100         J           71-55-6         1,1,1-Trichloroethane         14000         U           75-27-4         Bromodichloromethane         14000         U           78-87-5         1,2-Dichloropropane         14000         U           1061-01-5         cis-1,3-Dichloropropane         14000         U      <	THE PROPERTY OF THE PROPERTY O			
74-83-9         Bromomethane         14000         U           75-01-4         Vinyl Chloride         14000         U           75-09-3         Chloroethane         14000         U           75-09-2         Methylene Chloride         11000         JB           67-64-1         Acetone         11000         JB           75-15-0         Carbon Disulfide         14000         U           75-35-4         1,1-Dichloroethane         14000         U           75-34-3         1,1-Dichloroethane         14000         U           540-59-0         1,2-Dichloroethane         14000         U           67-66-3         Chloroform         14000         U           107-06-2         1,2-Dichloroethane         14000         U           78-93-3         2-Butanone         6100         J           71-55-6         1,1,1-Trichloroethane         14000         U           75-27-4         Bromodichloromethane         14000         U           75-87-5         1,2-Dichloropropane         14000         U           1061-01-5         cis-1,3-Dichloropropane         14000         U           12-48-1         Dibromochloromethane         14000         U <td></td> <td>Chloromethane</td> <td>6200</td> <td>ıт</td>		Chloromethane	6200	ıт
75-01-4		Bromomethane		
75-09-3		Vinyl Chloride		
75-09-2         Methylene Chloride         1100         JB           67-64-1         Acetone         11000         JB           75-15-0         Carbon Disulfide         14000         U           75-35-4         1,1-Dichloroethene         14000         U           75-34-3         1,1-Dichloroethane         14000         U           67-66-3         Chloroform         14000         U           107-06-2         1,2-Dichloroethane         14000         U           78-93-3         2-Butanone         6100         J           71-55-6         1,1,1-Trichloroethane         14000         U           75-27-4         Bromodichloromethane         14000         U           78-87-5         1,2-Dichloropropane         14000         U           10061-01-5         cis-1,3-Dichloropropene         14000         U           79-01-6         Trichloroethane         14000         U           124-48-1         Dibromochloromethane         14000         U           79-00-5         1,1,2-Trichloroethane         14000         U           71-43-2         Benzene         14000         U           10061-02-6         trans-1,3-Dichloropropene         14000 <td< td=""><td></td><td>Chloroethane</td><td></td><td></td></td<>		Chloroethane		
67-64-1         Acetone         11000         JB           75-15-0         Carbon Disulfide         14000         U           75-35-4         1,1-Dichloroethane         14000         U           75-34-3         1,1-Dichloroethane         14000         U           540-59-0         1,2-Dichloroethene (total)         14000         U           67-66-3         Chloroform         14000         U           78-93-3         2-Butanone         6100         J           71-55-6         1,1,1-Trichloroethane         14000         U           75-23-5         Carbon Tetrachloride         14000         U           75-27-4         Bromodichloromethane         14000         U           78-87-5         1,2-Dichloropropane         14000         U           10061-01-5         cis-1,3-Dichloropropene         14000         U           79-01-6         Trichloroethene         14000         U           79-00-5         1,1,2-Trichloroethane         14000         U           71-43-2         Benzene         14000         U           10061-02-6         trans-1,3-Dichloropropene         14000         U           75-25-2         Bromoform         14000         U		Methylene Chloride		~
75-15-0         Carbon Disulfide         14000         U           75-35-4         1,1-Dichloroethane         14000         U           75-34-3         1,1-Dichloroethane         14000         U           540-59-0         1,2-Dichloroethene (total)         14000         U           67-66-3         Chloroform         14000         U           107-06-2         1,2-Dichloroethane         14000         U           78-93-3         2-Butanone         6100         J           71-55-6         1,1,1-Trichloroethane         14000         U           75-27-4         Bromodichloromethane         14000         U           78-87-5         1,2-Dichloropropane         14000         U           10061-01-5         cis-1,3-Dichloropropene         14000         U           79-01-6         Trichloroethene         14000         U           124-48-1         Dibromochloromethane         14000         U           71-43-2         Benzene         14000         U           10061-02-6         trans-1,3-Dichloropropene         14000         U           75-25-2         Bromoform         14000         U           108-10-1         4-Methyl-2-Pentanone         14000		Acetone		
75-35-4       1,1-Dichloroethene       14000       U         75-34-3       1,1-Dichloroethane       14000       U         540-59-0       1,2-Dichloroethene (total)       14000       U         67-66-3       Chloroform       14000       U         107-06-2       1,2-Dichloroethane       14000       U         78-93-3       2-Butanone       6100       J         71-55-6       1,1,1-Trichloroethane       14000       U         56-23-5       Carbon Tetrachloride       14000       U         78-87-5       1,2-Dichloropropane       14000       U         78-87-5       1,2-Dichloropropane       14000       U         79-01-6       Trichloroethene       14000       U         124-48-1       Dibromochloromethane       14000       U         79-00-5       1,1,2-Trichloroethane       14000       U         71-43-2       Benzene       14000       U         1061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U		Carbon Disulfide		
75-34-3       1,1-Dichloroethane       14000       U         540-59-0       1,2-Dichloroethene (total)       14000       U         67-66-3       Chloroform       14000       U         107-06-2       1,2-Dichloroethane       14000       U         78-93-3       2-Butanone       6100       J         71-55-6       1,1,1-Trichloroethane       14000       U         56-23-5       Carbon Tetrachloride       14000       U         75-27-4       Bromodichloromethane       14000       U         78-87-5       1,2-Dichloropropane       14000       U         10061-01-5       cis-1,3-Dichloropropene       14000       U         79-01-6       Trichloroethene       14000       U         124-48-1       Dibromochloromethane       14000       U         71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000    <		1,1-Dichloroethene		
540-59-0       1,2-Dichloroethene (total)       14000       U         67-66-3       Chloroform       14000       U         107-06-2       1,2-Dichloroethane       14000       U         78-93-3       2-Butanone       6100       J         71-55-6       1,1,1-Trichloroethane       14000       U         56-23-5       Carbon Tetrachloride       14000       U         78-87-5       1,2-Dichloromethane       14000       U         10061-01-5       cis-1,3-Dichloropropene       14000       U         79-01-6       Trichloroethene       14000       U         124-48-1       Dibromochloromethane       14000       U         71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000		1,1-Dichloroethane		
67-66-3         Chloroform         14000         U           107-06-2         1,2-Dichloroethane         14000         U           78-93-3         2-Butanone         6100         J           71-55-6         1,1,1-Trichloroethane         14000         U           56-23-5         Carbon Tetrachloride         14000         U           75-27-4         Bromodichloromethane         14000         U           78-87-5         1,2-Dichloropropane         14000         U           1061-01-5         cis-1,3-Dichloropropene         14000         U           79-01-6         Trichloroethane         14000         U           124-48-1         Dibromochloromethane         14000         U           79-00-5         1,1,2-Trichloroethane         14000         U           71-43-2         Benzene         14000         U           1061-02-6         trans-1,3-Dichloropropene         14000         U           75-25-2         Bromoform         14000         U           108-10-1         4-Methyl-2-Pentanone         14000         U           591-78-6         2-Hexanone         14000         U           127-18-4         Tetrachloroethene         240000 <td< td=""><td></td><td>1,2-Dichloroethene (total)</td><td></td><td></td></td<>		1,2-Dichloroethene (total)		
107-06-2       1,2-Dichloroethane       14000       U         78-93-3       2-Butanone       6100       J         71-55-6       1,1,1-Trichloroethane       14000       U         56-23-5       Carbon Tetrachloride       14000       U         75-27-4       Bromodichloromethane       14000       U         78-87-5       1,2-Dichloropropane       14000       U         10061-01-5       cis-1,3-Dichloropropene       14000       U         79-01-6       Trichloroethene       14000       U         124-48-1       Dibromochloromethane       14000       U         79-00-5       1,1,2-Trichloroethane       14000       U         71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000				
78-93-3       2-Butanone       6100       J         71-55-6       1,1,1-Trichloroethane       14000       U         56-23-5       Carbon Tetrachloride       14000       U         75-27-4       Bromodichloromethane       14000       U         78-87-5       1,2-Dichloropropane       14000       U         10061-01-5       cis-1,3-Dichloropropene       14000       U         79-01-6       Trichloroethene       14000       U         124-48-1       Dibromochloromethane       14000       U         79-00-5       1,1,2-Trichloroethane       14000       U         71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	107-06-2	1,2-Dichloroethane		
71-55-6       1,1,1-Trichloroethane       14000       U         56-23-5       Carbon Tetrachloride       14000       U         75-27-4       Bromodichloromethane       14000       U         78-87-5       1,2-Dichloropropane       14000       U         10061-01-5       cis-1,3-Dichloropropene       14000       U         79-01-6       Trichloroethene       14000       U         124-48-1       Dibromochloromethane       14000       U         79-00-5       1,1,2-Trichloroethane       14000       U         71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	78-93-3	2-Butanone		
56-23-5         Carbon Tetrachloride         14000         U           75-27-4         Bromodichloromethane         14000         U           78-87-5         1,2-Dichloropropane         14000         U           10061-01-5         cis-1,3-Dichloropropene         14000         U           79-01-6         Trichloroethene         14000         U           124-48-1         Dibromochloromethane         14000         U           79-00-5         1,1,2-Trichloroethane         14000         U           71-43-2         Benzene         14000         U           10061-02-6         trans-1,3-Dichloropropene         14000         U           75-25-2         Bromoform         14000         U           108-10-1         4-Methyl-2-Pentanone         14000         U           591-78-6         2-Hexanone         14000         U           127-18-4         Tetrachloroethene         240000	71-55-6	1,1,1-Trichloroethane		
75-27-4       Bromodichloromethane       14000       U         78-87-5       1,2-Dichloropropane       14000       U         10061-01-5       cis-1,3-Dichloropropene       14000       U         79-01-6       Trichloroethene       14000       U         124-48-1       Dibromochloromethane       14000       U         79-00-5       1,1,2-Trichloroethane       14000       U         71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	56-23-5	Carbon Tetrachloride		
78-87-5       1,2-Dichloropropane       14000       U         10061-01-5       cis-1,3-Dichloropropene       14000       U         79-01-6       Trichloroethene       14000       U         124-48-1       Dibromochloromethane       14000       U         79-00-5       1,1,2-Trichloroethane       14000       U         71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	75-27-4	Bromodichloromethane	<del></del>	
10061-01-5       cis-1,3-Dichloropropene       14000       U         79-01-6       Trichloroethene       14000       U         124-48-1       Dibromochloromethane       14000       U         79-00-5       1,1,2-Trichloroethane       14000       U         71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	78-87-5	1,2-Dichloropropane		
79-01-6       Trichloroethene       14000       U         124-48-1       Dibromochloromethane       14000       U         79-00-5       1,1,2-Trichloroethane       14000       U         71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	10061-01-5	cis-1,3-Dichloropropene		
124-48-1       Dibromochloromethane       14000       U         79-00-5       1,1,2-Trichloroethane       14000       U         71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	79-01-6	Trichloroethene	1	
79-00-5       1,1,2-Trichloroethane       14000       U         71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	124-48-1	Dibromochloromethane		
71-43-2       Benzene       14000       U         10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	79-00-5	1,1,2-Trichloroethane		
10061-02-6       trans-1,3-Dichloropropene       14000       U         75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	71-43-2	Benzene		
75-25-2       Bromoform       14000       U         108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	10061-02-6	trans-1,3-Dichloropropene	· 1	
108-10-1       4-Methyl-2-Pentanone       14000       U         591-78-6       2-Hexanone       14000       U         127-18-4       Tetrachloroethene       240000	75-25-2			
591-78-6         2-Hexanone         14000         U           127-18-4         Tetrachloroethene         240000		4-Methyl-2-Pentanone		
127-18-4 Tetrachloroethene 240000	591-78-6	2-Hexanone		- 11
	127-18-4			<u>`</u>
79-34-5   1,1,2,2-Tetrachloroethane   14000   U	79-34-5	1,1,2,2-Tetrachloroethane		
108-88-3 Toluene 14000 U	108-88-3			
108-90-7 Chlorobenzene 14000 U	108-90-7	Chlorobenzene		
100-41-4 Ethylbenzene 14000 U	100-41-4			- 1
100-42-5 Styrene 14000 U	100-42-5			!!
1330-20-7   Xylene (total)   14000 U				

VOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: \_\_\_\_\_TRIP BLANK-1

Lab Name: STL/CT

Matrix: (soil/water) WATER Lab Sample ID: 992987A-20

Sample wt/vol: 5 (g/mL)ML Lab File ID: >06376

Level: (low/med) LOW Date Received: 11/16/99

% Moisture: not dec. \_\_\_\_ Date Analyzed: 11/18/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1,0

Soil Extract Volume: \_\_\_\_(uL) Soil Aliquot Volume: \_\_\_\_(ul)

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/L	Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	Ū
75-01-4	Vinyl Chloride	10	Ū
75-00-3	Chloroethane	10	Ū
75-09-2	Methylene Chloride	.6	J
67-64-1	Acetone	7	JB
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	Ū
75-34-3	1,1-Dichloroethane	10	Ū
540-59-0	1,2-Dichloroethene (total)	10	Ū
67-66-3	Chloroform	10	Ū
107-06-2	1,2-Dichloroethane	10	Ū
78-93-3	2-Butanone	4	JB
71-55-6	1,1,1-Trichloroethane	10	Ū
56-23-5	Carbon Tetrachloride	10	Ū
75-27-4	Bromodichloromethane	10	Ū
78-87-5	1,2-Dichloropropane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	Ū
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	Ū
79-00-5	1,1,2-Trichloroethane	10	Ū
71-43-2	Benzene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	Ū
75-25-2	Bromoform	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	Ū
591-78-6	2-Hexanone	10	Ū
127-18-4	Tetrachloroethene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
108-88-3	Toluene	10	Ū
108-90-7	Chlorobenzene	10	Ū
100-41-4	Ethylbenzene	10	Ū
100-42-5	Styrene	10	Ü
1330-20-7	Xylene (total)	10	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT	Co	ontract:	[EB-1
Lab Code: IEACT Case	e No.: 2987A S	SAS No.: SI	DG No.: A2987
Matrix: (soil/water)WATE	ER	Lab Sample	∃ ID: 992987A-21
Sample wt/vol: 5	(g/mL)ML	Lab File	ID: >06346
Level: (low/med) LOW		Date Rece:	ived: 11/16/99
% Moisture: not dec		Date Analy	/zed: 11/17/99
GC Column: 007-624 ID:	0.53 (mm)	Dilution E	Factor: 1.0
Soil Extract Volume:	(uL)	Soil Aliqu	uot Volume:(uL)

CAS NO. COMPOUND CONCENTRATION UNITS:

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

			***************************************
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	Ū
75-01-4	Vinyl Chloride	10	Ū
75-00-3	Chloroethane	1 10	Ü
75-09-2	Methylene Chloride	3	Ĵ
67-64-1	Acetone	3	JB
75-15-0	Carbon Disulfide	10	TI
75-35-4	1,1-Dichloroethene	10	Ū
75-34-3	1,1-Dichloroethane	10	Ü
540-59-0	1,2-Dichloroethene (total)	10	<del>- Ū</del> -
67-66-3	Chloroform	15	···
107-06-2	1,2-Dichloroethane	10	<del>U</del>
78-93-3	2-Butanone	4	JB
71-55-6	1,1,1-Trichloroethane	10	Ū
56-23-5	Carbon Tetrachloride	10	<u> </u>
75-27-4	Bromodichloromethane	10	Ū
78-87-5	1,2-Dichloropropane	10	<u> </u>
10061-01-5	cis-1,3-Dichloropropene	10	Ū
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	Ū
79-00-5	1,1,2-Trichloroethane	10	Ū
71-43-2	Benzene	10	ן ט
10061-02-6	trans-1,3-Dichloropropene	10	Ū
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	Ū
591-78-6	2-Hexanone	10	Ū
127-18-4	Tetrachloroethene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	Ū
100-42-5	Styrene	10	Ū
1330-20-7	Xylene (total)	10	U

#### 1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: SDG No.: A2987

Matrix: (soil/water) SOIL Lab Sample ID: 992987A-22

Sample wt/vol: 4 (g/mL)G Lab File ID: >06473

Level: (low/med) MED Date Received: 11/16/99

% Moisture: not dec. 15 Date Analyzed: 11/22/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1400	υ
74-83-9	Bromomethane	1400	Ū
75-01-4	Vinyl Chloride	1400	Ū
75-00-3	Chloroethane	1400	Ū
75-09-2	Methylene Chloride	450	J
67-64-1	Acetone	2300	В
75-15-0	Carbon Disulfide	1400	Ū
75-35-4	1,1-Dichloroethene	1400	U
75-34-3	1,1-Dichloroethane	1400	U
540-59-0	1,2-Dichloroethene (total)	1400	Ū
67-66-3	Chloroform	1400	<del>U</del>
107-06-2	1,2-Dichloroethane	1400	Ū
78-93-3	2-Butanone	1600	
71-55-6	1,1,1-Trichloroethane	1400	U
56-23-5	Carbon Tetrachloride	1400	Ū
75-27-4	Bromodichloromethane	1400	Ū
78-87-5	1,2-Dichloropropane	1400	Ū
10061-01-5	cis-1,3-Dichloropropene	1400	Ū
79-01-6	Trichloroethene	1400	Ū
124-48-1	Dibromochloromethane	1400	U
79-00-5	1,1,2-Trichloroethane	1400	U
71-43-2	Benzene	1400	Ū
10061-02-6	trans-1,3-Dichloropropene	1400	Ū
75-25-2	Bromoform	1400	Ū
108-10-1	4-Methyl-2-Pentanone	1400	Ū
591-78-6	2-Hexanone	1400	U
127-18-4	Tetrachloroethene	19000	
79-34-5	1,1,2,2-Tetrachloroethane	1400	Ū
108-88-3	Toluene	1400	U
108-90-7	Chlorobenzene	1400	U
100-41-4	Ethylbenzene	1400	U
100-42-5	Styrene	1400	Ū
1330-20-7	Xylene (total)	1400	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

				LP-3
Lab :	Name:	STL/CT	Contract:	

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_\_ SDG No.: A2987

Matrix: (soil/water) SOIL Lab Sample ID: 992987A-23

Sample wt/vol: 4 (g/mL)G Lab File ID: >06470

Level: (low/med) MED Date Received: 11/16/99

% Moisture: not dec. 20 Date Analyzed: 11/22/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

		CONCENTRATION UNITS:
CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/KG Q

WHITE REPORT OF THE PROPERTY O		27/301334	***************************************
74-87-3	Chloromethane	1500	ŢŢ
74-83-9	Bromomethane	1500	Ū
75-01-4	Vinyl Chloride	1500	Ū
75-00-3	Chloroethane	1500	Ū
75-09-2	Methylene Chloride	230	Ĵ
67-64-1	Acetone	2800	B
75-15-0	Carbon Disulfide	1500	Ū
75-35-4	1,1-Dichloroethene	1500	Ū
75-34-3	1,1-Dichloroethane	1500	Ū
540-59-0	1,2-Dichloroethene (total)	1500	Ū
67-66-3	Chloroform	1500	Ū
107-06-2	1,2-Dichloroethane	1500	Ū
78-93-3	2-Butanone	1800	
71-55-6	1,1,1-Trichloroethane	1500	U
56-23-5	Carbon Tetrachloride	1500	Ū
75-27-4	Bromodichloromethane	1500	Ū
78-87-5	1,2-Dichloropropane	1500	Ū
10061-01-5	cis-1,3-Dichloropropene	1500	Ū
79-01-6	Trichloroethene	1500	Ū
124-48-1	Dibromochloromethane	1500	Ū
79-00-5	1,1,2-Trichloroethane	1500	Ü
71-43-2	Benzene	1500	Ū
10061-02-6	trans-1,3-Dichloropropene	1500	Ū
75-25-2	Bromoform	1500	U
108-10-1	4-Methyl-2-Pentanone	1500	Ū
591-78-6	2-Hexanone	1500	Ū
127-18-4	Tetrachloroethene	15000	
79-34-5	1,1,2,2-Tetrachloroethane	1500	Ū
108-88-3	Toluene	1500	Ū
108-90-7	Chlorobenzene	1500	Ū
100-41-4	Ethylbenzene	1500	Ū
100-42-5	Styrene	280	J
1330-20-7	Xylene (total)	1500	Ū

## 2A WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: STL/CT Contract: \_\_\_\_\_

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

					,	<del></del>
	NYSDEC	SMC1	SMC2	SMC3	OTHER	TOT
	SAMPLE NO.	(TOL)#	(BFB)#	(DCE)#		OUT
01	VBLKO5	106	99	88		0
02	OWNSTREAMMSB	107	98	83		0
03	DOWNSTREAMMS	104	98	88		0
04	OWNSTREAMMSD	107	100	90		0
05	020 ppbQCS	103	95	84		0
06	VBLKOQ	96	96	95		0
07	TRIP BLANK-1	104	102	99		0
08	VBLKO4	96	94	83		0
09	UPSTREAM	98	96	85		0
10	TB-1	97	94	80		0
11	EB-1	1,06	102	89		0
12	DOWNSTREAM	93	89	80		0
13	DOWNSTREAM D	106	102	88		0
14	VBLKO7	100	99	85		0
15	TB-2	93	94	82		0
16	EB-2	97	96	83		0
17	VBLKOO	93	90	91		0
18	EB-1	95	94	92		0
19						
20						
21						
22						
23						
24						
25						
26						
27						<u> </u>
28						†
29			· · · · · · · · · · · · · · · · · · ·			
30			***************************************			<b>†</b>
			L.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Σ	1	<del></del>

## QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110) SMC2 (BFB) = Bromofluorobenzene (86-115) SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

- # Column to be used to flag recovery values
- \* Values outside of contract required QC limits

page <u>1</u> of <u>1</u>

FORM II-CLP-VOA-1

## SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: STL/CT Contract: \_\_\_\_\_

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Level: (low/med) LOW

						<del></del>
	NYSDEC	SMC1	SMC2	SMC3	OTHER	TOT
	SAMPLE NO.	(TOL)#	(BFB)#	(DCE)#		OUT
01	VBLKKS	94	94	88		
02	LP-14A	97	92	96		0
03	LP-14B	94	92	80		0
04	LP-14C	96	94	83		0
05	LP-14 END	100	97	86		0
06	LP-13 END	96	91	95		0
07	LP-11 END	94	93	98		0
08.	VBLKKT	97	101	99		Ō
09	LP-11 ENDMSB	101	102	107		0
10	020 ppbQCS	102	94	104		7
11	LP-11 ENDMS	1.02	100	115		0
12	LP-11 ENDMSD	98	102	102		0
13	LP-8 END	97	98	99		0
14	VBLKKU	101	99	95		0
15	LP-12 END	98	100	101		0
16						
17						
18			-			
19						
20						
21						1
22						<b>†</b>
23						
24						1
25						<del> </del>
26						<u> </u>
27						<u> </u>
28				<u> </u>		<del>                                     </del>
29			<del> </del>			† · · · · ·
30				<del> </del>	<u> </u>	1
50			<u> </u>		<u> </u>	<u> </u>

SMC1 (TOL) = Toluene-d8 (84-138) SMC2 (BFB) = Bromofluorobenzene (59-113) SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

- # Column to be used to flag recovery values
- \* Values outside of contract required QC limits

page <u>1</u> of <u>1</u>

FORM II-CLP-VOA-2

## SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Nume: STL/CT

Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Level: (low/med) MED

	NYSDEC	SMC1	SMC2	SMC3	OTHER	TOT
	SAMPLE NO.	(TOL)#	(BFB)#	(DCE)#		OUT
						-
	VBLKOI	101	97	89		0
02		94	116*	86		1
03	LP-15 END	97	95	86		0
04	LP-3 ENDRE	94	116*	90		1
	LP-1 END	96	96	90		0
	VBLKO8	98	96	85		0
07	LP-150 END	98	106	87		0
08	VBLKOW	104	105	100		0
09	LP-3	103	103	91		0
10	LP-1	97	110	90		0
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30[						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (84-138) SMC2 (BFB) = Bromofluorobenzene (59-113) SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

page <u>1</u> of <u>1</u>

FORM II-CLP-VOA-2

## WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab	Name:	STL/CT	÷			Contract:			_		
Lab	Code:	IEACT	Case	No.:	2987A	SAS	No.:	Marie and the state of the stat	SDG	No.:	A2987

Matrix Spike - NYSDEC Sample No.: DOWNSTREAM

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	45	90	61-145
Trichloroethene	50	3	51	96	71-120
Benzene	50	. 2	50	100	76-127
Toluene	50	0	49	98	76-125
Chlorobenzene	50	0	4.8	96	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC L RPD	IMITS   REC.
1,1-Dichloroethene	50	45	90	0	14	61-145
Trichloroethene	50	51	96	0	14	71-120
Benzene	50	49	98	2	11	76-127
Toluene	50	4.9	98	0	13	76-125
Chlorobenzene	50	4.8	96	0	13	75-130

- # Column to be used to flag recovery and RPD values with an asterisk
- \* Values outside of QC limits.

RPD:0	_ out of <u>5_</u>	out	side [	limits	
Spike Reco	very:0	_out of	10	outside	limits

COMMENTS:	

### 3B SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL/CT Contract: \_\_\_\_\_\_

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix Spike - NYSDEC Sample No.: LP-11 END Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	54	0	56	104	59-172
Trichloroethene	54	.6	51	93	62-137
Benzene	54	0	53	98	66-142
Toluene	54	0	50	92	59-139
Chlorobenzene	54	0	50	92	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC L RPD	IMITS REC.
1,1-Dichloroethene	54	51	94	10	22	59-172
Trichloroethene	54	50	91	2	24	62-137
Benzene	54	52	96	2	21	66-142
Toluene	54	51	94	2	21	59-139
Chlorobenzene	54	49	91	1	21	60-133

- # Column to be used to flag recovery and RPD values with an asterisk
- \* Values outside of QC limits.

RPD: 0	out of <u>5</u>		outs	side l:	imits		
Spike	Recovery: 0	out	of	10	_ outside	limits	

COMMENTS:	

### 3-ASP VOLATILE MATRIX SPIKE BLANK RECOVERY SUMMARY

Lab	Name:	STL/CT		(	Contract:	-		•••	
Lab	Code:	IEACT	Case No.:	2987A	SAS No.:		SDG	No.:	A2987
Matr	rix Spi	ike - NYSDE	EC Sample 1	No.: DOW	NSTREAM				

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	SPIKE CONCENTRATION (ug/L)	SPIKE % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	50	100	61-145
Trichloroethene	50	0	49	98	71-120
Benzene	50	0	51	102	76-127
Toluene	50	0	50	100	76-125
Chlorobenzene	50	0	50	100	75-130

# Column to be used to flag recovery w	ntn	an	asterisk
--	-----	----	----------

\* Values outside of QC limits.

Spike	Recovery: 0	out	of	5	outside	limits
COMME	NTS:					

FORM III-CLP-VOA-1

### 3-ASP VOLATILE MATRIX SPIKE BLANK RECOVERY SUMMARY

Lab Name:	STL/CT		Contract: _	restrond grow <sup>20</sup> / or an additional physical actions and additional growth additional growth and additional growth additional growth and additional growth additional growth and additional growth ad
Lab Code:	IEACT	Case No.: 2987A	SAS No.: _	SDG No.: A2987
Matrix Sp	ike - NYSD	EC Sample No.: LP	-11 END	Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION	SPIKE CONCENTRATION (ug/Kg)	SPIKE % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	57	114	61-145
Trichloroethene	50	0	47	94	71-120
Benzene	50	0	49	98	76-127
Toluene	50	0	48	96	76-125
Chlorobenzene	50	0	48	96	75-130

#	Column	to	be	used	to	flag	recovery	with	an	asterisk
---	--------	----	----	------	----	------	----------	------	----	----------

\* Values outside of QC limits.

Spike	Recovery	: 0	out	of	5	outside	limits
COMMEN	ITS:		***************************************				
	**************************************			*******			
			_				

FORM III-CLP-VOA-2

## QCS Spike Summary

Spike: K7609.D

Spike: K/609.D	Spike	Spike			
Compound	Amount	Result	Rec	Low	High
Chloromethane	20	23	115	32	156
Bromomethane	20	21	105	66	121
Vinyl Chloride	20	20	100	63	129
Chloroethane	20	20	100	78	119
Methylene Chloride	20	22	110	83	114
Acetone	20	27	135	29	156
Carbon Disulfide	20	22	110	78	119
Vinyl Acetate	20	7	3.5	16	144
1,1-Dichloroethene	20	23	115	78	122
1,1-Dichloroethane	20	23	115	80	119
1,2-Dichloroethene (total)	40	43	108	84	114
Chloroform	20	21	105	83	114
1,2-Dichloroethane	20	20	100	80	123
2-Butanone	20	16	80	55	146
1,1,1-Trichloroethane	20	22	110	72	128
Carbon Tetrachloride	20	19	95	77	127
Bromodichloromethane	20	19	95	81	118
1,2-Dichloropropane	20	20	100	77	125
cis-1,3-Dichloropropene	20	18	90	74	111
Trichloroethene	20	18	90	82	114
Dibromochloromethane	20	19	95	81	121
1,1,2-Trichloroethane	20	19	95	74	126
Benzene	20	20	100	78	120
trans-1,3-Dichloropropene	20	18	90	80	128
Bromoform	20	17	85	68	134
4-Methyl-2-Pentanone	20	13	65	58	141
2-Hexanone	20	10	50	47	150
Tetrachloroethene	20	19	95	78	118
Toluene	20	21	105	70	140
1,1,2,2-Tetrachloroethane	20	18	90	76	118
Chlorobenzene	20	20	100	77	118
Ethylbenzene	20	20	100	82	113
Styrene	20	18	90	77	118
Xylene (total)	60	62	103	77	120

## QCS Spike Summary

Spike: 06234.D

Compound	Spike Amount	Spike Result	Rec	Low	High
			MW		
Chloromethane	20	17	85	32	156
Bromomethane	20	14	70	66	121
Vinyl Chloride	20	18	90	63	129
Chloroethane	20	17	85	78	119
Methylene Chloride	20	23	115*	83	114
Acetone	20	13	65	29	156
Carbon Disulfide	20	17	85	78	119
Vinyl Acetate	20	1	5 *	16	144
1,1-Dichloroethene	20	21	105	78	122
1,1-Dichloroethane	20	20	100	80	119
1,2-Dichloroethene (total)	40	39	98	84	114
Chloroform	20	19	95	83	114
1,2-Dichloroethane	20	18	90	80	123
2-Butanone	20	10	50*	55	146
1,1,1-Trichloroethane	20	19	95	72	128
Carbon Tetrachloride	20	23	115	77	127
Bromodichloromethane	20	19	95	81	118
1,2-Dichloropropane	20	21	105	77	125
cis-1,3-Dichloropropene	20	19	95	74	111
Trichloroethene	20	20	100	82	114
Dibromochloromethane	20	17	85	81	121
1,1,2-Trichloroethane	20	16	80	74	126
Benzene	20	22	110	78	120
trans-1,3-Dichloropropene	20	18	90	80	128
Bromoform	20	13	65*	68	134
4-Methyl-2-Pentanone	20	10	50*	58	141
2-Hexanone	20	10	50	47	150
Tetrachloroethene	20	21	105	78	118
Toluene	20	21	105	70	140
1,1,2,2-Tetrachloroethane	20	12	60*	76	118
Chlorobenzene	20	21	105	77	118
Ethylbenzene	20	21	105	82	113
Styrene	20	20	100	77	118
Xylene (total)	60	63	105	77	120

## VOLATILE METHOD BLANK SUMMARY

NYSDEC SAMPLE NO.

	1
VBLKO4	

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: >OM6204

Lab Sample ID: VBLKO4

Date Analyzed: 11/09/99

Time Analyzed: 1025

Instrument ID: HP59710

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	UPSTREAM	992987A-04	>06215	1741
02	TB-1	992987A-13	>06216	1815
03	EB-1	992987A-10	>06217	1850
	DOWNSTREAM	992987A-05	>06218	1924
	DOWNSTREAM D	992987A-12	>06219	1958
06				
07				
08	A. C.			
09 10				
11				
12				
13				
14				
15				
16				
17				
18				
19	*			
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:	

### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET NYSDEC SAMPLE NO.

Lab Name: STL/CT	Contract: VBLK04
Lab Code: IEACT Case No.: 2987A	SAS No.: SDG No.: A2987
Matrix: (soil/water)WATER	Lab Sample ID: VBLKO4
Sample wt/vol: 5 (g/mL)ML	Lab File ID: >OM6204
Level: (low/med) LOW	Date Received:
% Moisture: not dec.	Date Analyzed: 11/09/99
GC Column: 007-624 ID: 0.53 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	Ū
75-01-4	Vinyl Chloride	10	Ū
75-00-3	Chloroethane	10	Ū
75-09-2	Methylene Chloride	10	Ū
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	10	Ū
75-35-4	1,1-Dichloroethene	10	Ū
75-34-3	1,1-Dichloroethane	10	Ū
540-59-0	1,2-Dichloroethene (total	) 10	Ū
67-66-3	Chloroform	10	Ū
107-06-2	1,2-Dichloroethane	10	Ū
78-93-3	2-Butanone	2	J
71-55-6	1,1,1-Trichloroethane	10	Ū
56-23-5	Carbon Tetrachloride	10	Ū
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	Ū
79-01-6	Trichloroethene	10	Ū
124-48-1	Dibromochloromethane	10	Ū
79-00-5	1,1,2-Trichloroethane	10	Ū
71-43-2	Benzene	1.0	Ū
10061-02-6	trans-1,3-Dichloropropene	10	Ū
75-25-2	Bromoform	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	Ū
591-78-6	2-Hexanone	10	Ū
127-18-4	Tetrachloroethene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
108-88-3	Toluene	10	Ū
108-90-7	Chlorobenzene	10	Ū
100-41-4	Ethylbenzene	10	Ū
100-42-5	Styrene	10	Ū
1330-20-7	Xylene (total)	10	Ū

## VOLATILE METHOD BLANK SUMMARY

NYSDEC SAMPLE NO.

VBLK05	
1	

Lab	Name:	STL/CT	Contract:	
				***************************************

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: >06226

Lab Sample ID: VBLKO5

Date Analyzed: 11/10/99

Time Analyzed: 1057

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP59710

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	OWNSTREAMMSB		>06231	1451
02	DOWNSTREAMMS	992987A-05MS	>06232	1526
03	OWNSTREAMMSD	992987A-05MSD	>06233	1610 1651
04 05	020 ppbQCS	020 ppbQCS	>06234	T02T
06				
07				
08				
0.9				
10				
11				
12				
13				
14				
15 16				
17				
18				
19				
20				
21			N	
22				
23				
24				
25				
26				
27				
28				
29				
30				
ı			<u> </u>	<u> </u>

COMMENTS:	

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT	Contract:VBLKO5
Lab Code: IEACT Case No.: 2987A	SAS No.: SDG No.: A2987
Matrix: (soil/water)WATER	Lab Sample ID: VBLKO5
Sample wt/vol: 5 (g/mL)ML	Lab File ID: >06226
Level: (low/med) LOW	Date Received:
% Moisture: not dec	Date Analyzed: 11/10/99
GC Column: 007-624 ID: 0.53 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)

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

CAS NO. COMPOUND Q 74 - 87 - 3Chloromethane 10 U 74-83-9 Bromomethane 10 Ū 75-01-4 Vinyl Chloride 10 IJ 75-00-3 Chloroethane 10 Ū Methylene Chloride 75-09-2 10 Ū Acetone 67-64-1 2 J Carbon Disulfide 10 75-15-0 IJ 1,1-Dichloroethene 75-35-4 10 Ū 1,1-Dichloroethane 10 75-34-3 Ū 1,2-Dichloroethene (total) 540-59-0 10 Ū Ū 67-66-3 Chloroform 10 1,2-Dichloroethane 107-06-2 10 Ū 78-93-3 2-Butanone 71-55-6 1,1,1-Trichloroethane 10 Ū 56-23-5 Carbon Tetrachloride 10 IJ 75-27-4 Bromodichloromethane 10 Ū 78-87-5 1,2-Dichloropropane 10 Ū 10061-01-5 cis-1,3-Dichloropropene 10 Ū Trichloroethene 79-01-6 10 Ū 124-48-1 Dibromochloromethane 10 IJ 1,1,2-Trichloroethane 79-00-5 10 TT 71-43-2 Benzene 10 Ū trans-1,3-Dichloropropene 10061-02-6 10 ij Bromoform 10 IJ 75-25-2 4-Methyl-2-Pentanone 10 Ū 108-10-1 591-78-6 2-Hexanone 10 Ū 10 Tetrachloroethene Ū 127-18-4 79-34-5 1,1,2,2-Tetrachloroethane 10 Ū 108-88-3 Toluene 10 108-90-7 Chlorobenzene 10 Ū 100-41-4 Ethylbenzene 10 Ū 100-42-5 10 Ū Styrene 10 Ū 1330-20-7 Xylene (total)

# VOLATILE METHOD BLANK SUMMARY NYSDEC SAMPLE NO.

VBLK07

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: >OM6239

Lab Sample ID: VBLKO7

Date Analyzed: 11/10/99

Time Analyzed: 2051

Instrument ID: HP59710

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
02	TB-2 EB-2	992987A-16 992987A-15	>06240 >06241	2126 2200
03 04				
05 06				
07 08				
09 10				
11 12				
13 14 15				
16 17				
18 19				
20				
22				
24 25				
26 27				
28 29				
30				

COMMENTS:	

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT		Contract:	orana de programa de la composición de
Lab Code: IEACT	Case No.: 2987A	SAS No.: SDG No.: A2987	
Matrix: (soil/water	) WATER	Lab Sample ID: VBLK07	
Sample wt/vol:	5 (g/mL)ML	Lab File ID: >OM6239	
Level: (low/med)	LOW	Date Received:	
% Moisture: not dec	*	Date Analyzed: 11/10/99	
GC Column: 007-624	ID: 0.53 (mm)	Dilution Factor: 1.0	
Soil Extract Volume	: (uL)	Soil Aliquot Volume: (u	1T.)

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

CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	Ū
75-00-3	Chloroethane	10	Ū
75-09-2	Methylene Chloride	10	Ū
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	Ū
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	Ū
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	Ū
78-93-3	2-Butanone	3	J
71-55-6	1,1,1-Trichloroethane	10	Ū
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	Ū
78-87-5	1,2-Dichloropropane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	Ū
79-01-6	Trichloroethene	10	Ū
124-48-1	Dibromochloromethane	10	Ū
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
108-88-3	Toluene	10	Ū
108-90-7	Chlorobenzene	10	Ū
100-41-4	Ethylbenzene	10	Ū
100-42-5	Styrene	10	U

Xylene (total)

### 4A VOLATILE METHOD BLANK SUMMARY

NYSDEC SAMPLE NO.

VBLKOO	ı		***************************************
			- 1

Lab Name: STL/CT		Contract:
Lab Code: IEACT	Case No.: 2987A	SAS No.: SDG No.: A2987
Lab File ID:	OM6344	Lab Sample ID: VBLKOO
Date Analyzed:	11/17/99	Time Analyzed: 2208
GC Column: 007-624	ID: 0.53 (mm)	Heated Purge: (Y/N) N

Instrument ID: HP59710

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EB-1	992987A-21	>06346	2336
02 03				
04				
05				
06 07				
08			, TENNELLA PLANELA, LAQUE, TENNELLA PLANELA PLANELA PLANELA PLANELA, PLANELA, PARELA PLANELA, PARELA PLANELA,	
09				
10				
11				
12 13				
14				
15				
16				
17 18				
19	THE RESIDENCE OF THE PROPERTY		AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
20				
21				
22 23				
24				
25				
26				
27 28				
29				
30	, , , , , , , , , , , , , , , , , , , ,			
ļ				

L	
COMMENTS:	
page <u>1</u> of	<u>1</u>

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT	Contract:	VBT'KOO
Lab Code: IEACT Case No.:	2987A SAS No.:	SDG No.: A2987
Matrix: (soil/water)WATER	Lab Sa	mple ID: VBLKOO
Sample wt/vol: 5 (g/m	mL)ML Lab Fi	le ID: >OM6344
Level: (low/med) LOW	Date R	eceived:
% Moisture: not dec.	Date A	nalyzed: 11/17/99
GC Column: 007-624 ID: 0.53	(mm) Diluti	on Factor: 1.0
Soil Extract Volume: (u)	(.) Soil A	liquot Volume: (uI)

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/L Q

PACCOL STATE OF THE PACCOL			****
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	<del>-</del> Ū
75-01-4	Vinyl Chloride	10	<del>Ŭ</del>
75-00-3	Chloroethane	10	<del>- ŭ</del> -
75-09-2	Methylene Chloride	10	$\frac{\check{U}}{U}$
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	10	<del>ŏ</del>
75 - 35 - 4	1,1-Dichloroethene	10	Ŭ
75-34-3	1,1-Dichloroethane	10	<del>Ŭ</del>
540-59-0	1,2-Dichloroethene (total)	10	Ü
67-66-3	Chloroform	10	<del>- ŭ -</del>
107-06-2	1,2-Dichloroethane	10	Ū
78-93-3	2-Butanone		J
71-55-6	1,1,1-Trichloroethane	10	Ü
56-23-5	Carbon Tetrachloride	10	Ŭ
75-27-4	Bromodichloromethane	10	Ū
78-87-5	1,2-Dichloropropane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	Ū
79-01-6	Trichloroethene	10	Ū
124-48-1	Dibromochloromethane	10	Ū
79-00-5	1,1,2-Trichloroethane	10	Ū
71-43-2	Benzene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	Ū
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	Ū
591-78-6	2-Hexanone	10	Ū
127-18-4	Tetrachloroethene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
108-88-3	Toluene	10	Ū
108-90-7	Chlorobenzene	10	Ū
100-41-4	Ethylbenzene	10	Ū
100-42-5	Styrene	10	Ū
1330-20-7	Xylene (total)	10	Ū

## VOLATILE METHOD BLANK SUMMARY

NYSDEC SAMPLE NO.

VBLKOQ	

					L
Lab	Name:	STL/CT	Contract:		
	21.4111.0	,	*	***************************************	

Lab Code: IEACT Case No.: 2987A SAS No.: SDG No.: A2987

Lab File ID: >06375

Lab Sample ID: VBLKOQ

Date Analyzed: 11/18/99

Time Analyzed: 2248

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP59710

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

NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
TRIP BLANK-1	992987A-20	>06376	2324
A 10 10 10 10 10 10 10 10 10 10 10 10 10			
	SAMPLE NO.	SAMPLE NO. SAMPLE ID	SAMPLE NO. SAMPLE ID FILE ID

COMMENTS:	

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT	Contract:VBLKOQ
Lab Code: IEACT Case No.: 2987A	SAS No.: SDG No.: A2987
Matrix: (soil/water)WATER	Lab Sample ID: VBLKOQ
Sample wt/vol: 5 (g/mL)ML	Lab File ID: >06375
Level: (low/med) LOW	Date Received:
% Moisture: not dec	Date Analyzed: 11/18/99
GC Column: 007-624 ID: 0.53 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	Ü
75-01-4	Vinyl Chloride	10	Ū
75-00-3	Chloroethane	10	Ü
75-09-2	Methylene Chloride	10	Ū
67-64-1	Acetone		Ĵ
75-15-0	Carbon Disulfide	10	Ū
75-35-4	1,1-Dichloroethene	10	Ū
75-34-3	1,1-Dichloroethane	10	Ü
540-59-0	1,2-Dichloroethene (total)	10	Ū
67-66-3	Chloroform	10	ΰ
107-06-2	1,2-Dichloroethane	10	Ū
78-93-3	2-Butanone	4	J
71-55-6	1,1,1-Trichloroethane	10	Ū
56-23-5	Carbon Tetrachloride	10	Ŭ
75-27-4	Bromodichloromethane	10	Ū
78-87-5	1,2-Dichloropropane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	Ū
79-01-6	Trichloroethene	10	Ū
124-48-1	Dibromochloromethane	10	Ū
79-00-5	1,1,2-Trichloroethane	10	Ū
71-43-2	Benzene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	Ū
75-25-2	Bromoform	10	Ü
108-10-1	4-Methyl-2-Pentanone	10	Ū
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
108-88-3	Toluene	10	Ū
108-90-7	Chlorobenzene	10	Ū
100-41-4	Ethylbenzene	10	Ū
100-42-5	Styrene	10	Ü
1330-20-7	Xylene (total)	10	Ū

# VOLATILE METHOD BLANK SUMMARY NYSDEC SAMPLE NO.

1		ţ
ı		ĺ
1	UDT KRO	Į
۱	VBLKKS	ŀ
ł		ł
		ŧ

Lab Name: STL/CT

Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: >K7597

Lab Sample ID: VBLKKS

Date Analyzed: 11/11/99 Time Analyzed: 2105

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5970K

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
02	LP-14A LP-14B	992987A-01 992987A-02	>K7598 >K7599	2153 2226
	LP-14C	992987A-03	>K7600	2259
	LP-14 END LP-13 END	992987A-06 992987A-11	>K7601 >K7602	2331 0004
06	LP-11 END	992987A-14	>K7602	0004
07				
08 09				
10	**************************************			
11				
12 13				
14				
15				
16 17				
18				
19				
20 21				
22				
23				
24 25				
26				
27				
28 29				
30				
Ĺ				

COMMENTS:	

## 1 A

VOLATILE ORGANICS ANALYSIS DATA SHEET

	VBLKKS
Contract:	 

Lab	Code:	IEACT	Case	No.:	2987A	SAS No.:	 SDG N	Vo.:	A2987

Matrix: (soil/water)SOIL Lab Sample ID: VBLKKS

Lab Name: STL/CT

Sample wt/vol: 5 (q/mL)G Lab File ID: >K7597

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 11/11/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_(uL) Soil Aliquot Volume: \_\_\_\_(ul)

#### CONCENTRATION UNITS: CAS NO. (ug/L or ug/Kg)UG/KG 0 COMPOUND 74-87-3 10 Chloromethane U 74-83-9 Bromomethane 10 Vinyl Chloride 75-01-4 10 Ū 75-00-3 Chloroethane 10 Ū 75-09-2 Methylene Chloride 10 67-64-1 Acetone Carbon Disulfide 10 75-15-0 75-35-4 1,1-Dichloroethene 10 1,1-Dichloroethane 75-34-3 10 Ū 1,2-Dichloroethene (total) 540-59-0 10 Chloroform 10 67-66-3 TT 1,2-Dichloroethane 107-06-2 10 2-Butanone 78-93-3 10 1,1,1-Trichloroethane 71-55-6 IJ 10 56-23-5 Carbon Tetrachloride 10 Ū 75-27-4 Bromodichloromethane 10 Ū 78-87-5 1,2-Dichloropropane 10 10061-01-5 cis-1,3-Dichloropropene 10 IJ 79-01-6 Trichloroethene 10 ΤÏ 124-48-1 Dibromochloromethane 10 TT 1,1,2-Trichloroethane 79-00-5 10 Ū 71-43-2 IJ Benzene 10 10061-02-6 trans-1,3-Dichloropropene 1.0 Ū 75-25-2 Bromoform 10 IJ 4-Methyl-2-Pentanone 108-10-1 10 IJ 591-78-6 10 Ū 2-Hexanone Tetrachloroethene 10 Ū 127-18-4 1,1,2,2-Tetrachloroethane Toluene 79-34-5 10 108-88-3 10 108-90-7 Chlorobenzene 100-41-4 Ethylbenzene 10 100-42-5 Styrene 1330-20-7 Xylene (total)

## VOLATILE METHOD BLANK SUMMARY

NYSDEC	SAMPLE	NO.

VBLKKT	ĺ
	1

Contract: Lab Name: STL/CT

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: >KM7607

Lab Sample ID: VBLKKT

Date Analyzed:

11/12/99

Time Analyzed: 1317

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5970K

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

İ	NYSDEC	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	LP-11 ENDMSB	992987 <b>A-14M</b> SB	>K7608	1404
02	020 ppbQCS	020 ppbQCS	>K7609	1437
03	LP-11 ENDMS	992987A-14MS	>K7610	1510
	LP-11 ENDMSD	992987A-14MSD	>K7611	1543
05	LP-8 END	992987 <b>A</b> -17	>K7612	1616
06				
07				
80				
09	**************************************	· · · · · · · · · · · · · · · · · · ·	**************************************	
10 11				
12		W-12	7,7,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	
13				
14				
15				
16				
17				
18				
19	· · · · · · · · · · · · · · · · · · ·			
20			V-34	
21				
22				
23				
24				
25				
26				
27				
28	***************************************			
29				
30				
Ü				

COMMENTS:	

Soil Aliquot Volume: \_\_\_\_(uL)

10

10

10

10

10

10

10

10

10

10

Ū

Ū

U

Ū

Ū

Ū

Ū

Ū

Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT		Contract:VBLKKT
Lab Code: IEACT	Case No.: 2987A	SAS No.: SDG No.: A2987
Matrix: (soil/water)	)SOIL	Lab Sample ID: VBLKKT
Sample wt/vol:	5 (g/mL)G	Lab File ID: >KM7607
Level: (low/med)	LOW	Date Received:
% Moisture: not dec.	. 0	Date Analyzed: 11/12/99
GC Column: 007-624	ID: 0.53 (mm)	Dilution Factor: 1 0

Soil Extract Volume: \_\_\_\_(uL)

Bromoform

Toluene

2-Hexanone

Chlorobenzene

Styrene Xylene (total)

Ethylbenzene

4-Methyl-2-Pentanone

1,1,2,2-Tetrachloroethane

Tetrachloroethene

75-25-2

108-10-1

591-78-6

127-18-4

79-34-5

108-88-3

108-90-7

100-41-4

100-42-5

1330-20-7

CAS NO.	COMPOUND	CONCENTRATIO (ug/L or ug/		Q
74-87-3	Chloromethane			The second secon
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene Chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-35-4			10	U
75-34-3	1,1-Dichloroethene		10	Ū
540-59-0	1,1-Dichloroethane		10	Ū
67-66-3	1,2-Dichloroethene (total)		10	U
107-06-2	Chloroform		10	Ū
1 L	1,2-Dichloroethane		10	Ū
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	Ū
56-23-5	Carbon Tetrachloride		10	Ū
75-27-4	Bromodichloromethane		10	Ū
78-87-5	1,2-Dichloropropane		10	Ū
10061-01-5	cis-1,3-Dichloropropene		10	Ū
79-01-6	Trichloroethene		10	Ū
124-48-1	Dibromochloromethane		10	Ū
79-00-5	1,1,2-Trichloroethane		10	Ū
71-43-2	Benzene		10	
10061-02-6	trans-1,3-Dichloropropene		10	<del>- ŭ</del> -

## VOLATILE METHOD BLANK SUMMARY

NYSDEC SAMPLE NO.

VBLKKU
· · · · · · · · · · · · · · · · · · ·

Lab	Name:	STL/CT	Contract:	
-----	-------	--------	-----------	--

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: >KM7619

Lab Sample ID: VBLKKU

Date Analyzed: 11/15/99

Time Analyzed: 1220

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID:

HP5970K

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

ļ	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 02	LP-12 END	992987A-09	>K7620	1318
03				
04 05				
06				
07				
08 09			**************************************	
10				
11 12		**************************************		
13				
14 15				
16	W)	200 M To 100		
17				
18 19				
20				
21 22				
23				
24 25				
26				
27				
28 29				
30				
)				

COMMENTS:	

## 1A VOLATILE ORGANICS ANALYSIS DATA SHEET NYSDEC SAMPLE NO.

Lab Name: STL/CT	Contract: VBLKKU
Lab Code: IEACT Case No.: 2987A	SAS No.: SDG No.: A2987
Matrix: (soil/water)SOIL	Lab Sample ID: VBLKKU
Sample wt/vol: 5 $(g/mL)G$	Lab File ID: >KM7619
Level: (low/med) LOW	Date Received:
% Moisture: not dec. 0	Date Analyzed: 11/15/99
GC Column: 007-624 ID: 0.53 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume: (111)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q CAS NO. COMPOUND

74-87-3         Chloromethane         10         U           74-83-9         Bromomethane         10         U           75-01-4         Vinyl Chloride         10         U           75-00-3         Chloroethane         10         U           75-09-2         Methylene Chloride         10         U           67-64-1         Acetone         9         J           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethane         10         U           75-35-3         1,2-Dichloroethane         10         U           76-6-3         Chloroform         10         U           107-66-3         Chloroform         10         U           78-93-3         2-Butanone         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane				
74-83-9         Bromomethane         10         U           75-01-4         Vinyl Chloride         10         U           75-09-2         Methylene Chloride         10         U           67-64-1         Acetone         9         J           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethene (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         10         U           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           108-10-1-5         cis-1,3-Dichloropropane         10         U           109-01-6         Trichloroethane         10         U           79-00-6         Trichloroethane         10         U           75-25-2	74-87-3	Chloromethane	10	TT
75-01-4	74-83-9	Bromomethane		
75-00-3	75-01-4		<u> </u>	£
Total	75-00-3			- 1
67-64-1         Acetone         9         J           75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethene (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         10         U           78-93-3         2-Butanone         10         U           75-27-6         1,1,1-Trichloroethane         10         U           75-27-7         Bromodichloromethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           75-25-2         Benzene         10         U           10061-02-6	75-09-2			
75-15-0         Carbon Disulfide         10         U           75-35-4         1,1-Dichloroethene         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethene (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         10         U           71-55-6         1,1,1-Trichloroethane         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           79-01-6         Trichloroethene         10         U           79-01-6         Trichloroethene         10         U           79-00-5         1,1,2-Trichloroethane         10         U           77-43-2         Benzene         10         U           10061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         1         J           591-78-6	67-64-1			
75-35-4         1,1-Dichloroethane         10         U           75-34-3         1,1-Dichloroethane         10         U           540-59-0         1,2-Dichloroethene (total)         10         U           67-66-3         Chloroform         10         U           107-06-2         1,2-Dichloroethane         10         U           78-93-3         2-Butanone         10         U           71-55-6         1,1,1-Trichloroethane         10         U           56-23-5         Carbon Tetrachloride         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           10661-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         10         U           1591-78-6         2-Hexanone         10         U <td< td=""><td></td><td></td><td></td><td></td></td<>				
75-34-3			<u> </u>	
540-59-0       1,2-Dichloroethene (total)       10       U         67-66-3       Chloroform       10       U         107-06-2       1,2-Dichloroethane       10       U         78-93-3       2-Butanone       10       U         71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         17-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         105-10-1       4-Methyl-2-Pentanone       10       U         1591-78-6       2-Hexanone       1       J         107-18-4       Tetrachloroethene       10       U         108-88-3       Toluene       10       U         108-80-7       Chlorobenzene       10       U         100-42-5       St				
67-66-3       Chloroform       10       U         107-06-2       1,2-Dichloroethane       10       U         78-93-3       2-Butanone       10       U         71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       1       U         107-18-4       Tetrachloroethene       1       U         108-88-3       Toluene       1       U         108-88-3       Toluene	540-59-0			
107-06-2       1,2-Dichloroethane       10       U         78-93-3       2-Butanone       10       U         71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       1       U         127-18-4       Tetrachloroethene       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U	67-66-3	Chloroform		
78-93-3       2-Butanone       10       U         71-55-6       1,1,1-Trichloroethane       10       U         56-23-5       Carbon Tetrachloride       10       U         75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         127-18-6       2-Hexanone       1       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styren				
71-55-6         1,1,1-Trichloroethane         10         U           56-23-5         Carbon Tetrachloride         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           10061-01-5         Cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           71-43-2         Benzene         10         U           10061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         1         J           127-18-4         Tetrachloroethene         10         U           127-18-4         Tetrachloroethene         10         U           108-88-3         Toluene         10         U           108-90-7         Chlorobenzene         10         U           100-41-4         Ethylbenzene         10         U			<del></del>	
56-23-5         Carbon Tetrachloride         10         U           75-27-4         Bromodichloromethane         10         U           78-87-5         1,2-Dichloropropane         10         U           10061-01-5         cis-1,3-Dichloropropene         10         U           79-01-6         Trichloroethene         10         U           124-48-1         Dibromochloromethane         10         U           79-00-5         1,1,2-Trichloroethane         10         U           71-43-2         Benzene         10         U           10061-02-6         trans-1,3-Dichloropropene         10         U           75-25-2         Bromoform         10         U           108-10-1         4-Methyl-2-Pentanone         1         J           591-78-6         2-Hexanone         10         U           127-18-4         Tetrachloroethene         10         U           79-34-5         1,1,2,2-Tetrachloroethane         10         U           108-88-3         Toluene         10         U           108-90-7         Chlorobenzene         10         U           100-41-4         Ethylbenzene         10         U			1	
75-27-4       Bromodichloromethane       10       U         78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U				
78-87-5       1,2-Dichloropropane       10       U         10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U				
10061-01-5       cis-1,3-Dichloropropene       10       U         79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U		1.2-Dichloropropane		
79-01-6       Trichloroethene       10       U         124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U		cis-1.3-Dichloropropene	ļ	
124-48-1       Dibromochloromethane       10       U         79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         109-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	79-01-6	Trichloroethene	L	
79-00-5       1,1,2-Trichloroethane       10       U         71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	124-48-1			
71-43-2       Benzene       10       U         10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	79-00-5		1	
10061-02-6       trans-1,3-Dichloropropene       10       U         75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U		<u> </u>		
75-25-2       Bromoform       10       U         108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U				
108-10-1       4-Methyl-2-Pentanone       1       J         591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U		Bromoform	1	
591-78-6       2-Hexanone       10       U         127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	108-10-1	4-Methvl-2-Pentanone	·	
127-18-4       Tetrachloroethene       10       U         79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U	591-78-6	2-Hexanone		
79-34-5       1,1,2,2-Tetrachloroethane       10       U         108-88-3       Toluene       10       U         108-90-7       Chlorobenzene       10       U         100-41-4       Ethylbenzene       10       U         100-42-5       Styrene       10       U			<u> </u>	
108-88-3         Toluene         10         U           108-90-7         Chlorobenzene         10         U           100-41-4         Ethylbenzene         10         U           100-42-5         Styrene         10         U	79-34-5			
108-90-7         Chlorobenzene         10         U           100-41-4         Ethylbenzene         10         U           100-42-5         Styrene         10         U			<del></del>	
100-41-4 Ethylbenzene 10 U 100-42-5 Styrene 10 U				
100-42-5 Styrene 10 U				
1220 00 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100-42-5			- 11
	1330-20-7	Xylene (total)	10	TI

### 4A VOLATILE METHOD BLANK SUMMARY

NYSDEC SAMPLE NO.

	ŀ
VBLKO8	

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: >OM6259 Lab Sample ID: VBLKO8

Date Analyzed: 11/11/99 Time Analyzed: 1108

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP59710

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LP-150 END	992987A-08	>06267	1701
02 03				
04				
05				
06			· · · · · · · · · · · · · · · · · · ·	
07				
08 09				
10				
11				
12				
13				
14 15				
16				
17				
18				
19				
20				
21 22				
23				
24				
25				
26				
27 28				
29				
30				
Ĺ				

COMMENTS:	

VOLATILE ORGANICS ANALYSIS DATA SHEET

T - 1-	NT	COTAT LOST		VBLKO8
Lap	Name:	STL/CT	Contract:	

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix: (soil/water) SOIL Lab Sample ID: VBLK08

Sample wt/vol: 4 (g/mL)G Lab File ID: >OM6259

Level: (low/med) MED Date Received: \_\_\_\_\_

% Moisture: not dec. 0 Date Analyzed: 11/11/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

		. CONCENTRATION UNITS:
CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/KG Q

The state of the s			
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	<del>U</del> U
75-00-3	Chloroethane	1200	Ū
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	290	J
75-15-0	Carbon Disulfide	1200	<del>U</del>
75-35-4	1,1-Dichloroethene	1200	<del>- Ŭ</del> -
75-34-3	1,1-Dichloroethane	1200	Ū
540-59-0	1,2-Dichloroethene (total)	1200	T T
67-66-3	Chloroform	1200	<del>- ŭ</del> -
107-06-2	1,2-Dichloroethane	1200	<del>- ŭ</del> -
78-93-3	2-Butanone	150	J
71-55-6	1,1,1-Trichloroethane	1200	<u>_</u>
56-23-5	Carbon Tetrachloride	1200	<del>- ŭ</del> -
75-27-4	Bromodichloromethane	1200	Ŭ
78-87-5	1,2-Dichloropropane	1200	Ŭ
10061-01-5	cis-1,3-Dichloropropene	1200	Ū
79-01-6	Trichloroethene	1200	Ū
124-48-1	Dibromochloromethane	1200	Ū
79-00-5	1,1,2-Trichloroethane	1200	Ū
71-43-2	Benzene	1200	<del></del>
10061-02-6	trans-1,3-Dichloropropene	1200	Ū
75-25-2	Bromoform	1200	<del>U</del>
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	Ü
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	<del>Ū</del>
108-90-7	Chlorobenzene	1200	Ū
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	Ū
1330-20-7	Xylene (total)	1200	U

### 4A VOLATILE METHOD BLANK SUMMARY

NISDEC	SAMPLE	140.
processor and the Control of the Con		
VBLKO	) T	

Lab Name: STL/CT		Contract:	
Lab Code: IEACT	Case No.: 2987A	SAS No.: SDG No.: A2987	
Lab File ID:	>06285	Lab Sample ID: VBLKOI	
Date Analyzed:	11/15/99	Time Analyzed: 1851	
GC Column: 007-624	ID: 0.53 (mm)	Heated Purge: (Y/N) N	
Instrument ID:	HP59710		

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 02	LP-3 END LP-15 END	992987A-18 992987A-07	>06290 >06291	2150 2230
04	LP-3 ENDRE LP-1 END	992987A-18RE 992987A-19	>06292 >06293	2309 2348
05 06 07				
07 08 09				
10 11				
12 13 14				
15 16				
17 18				
19 20 21				
21 22 23				
24 25				
26 27 28				
29				

COMMEN	TS:	 	 	·	 	 ***************************************
		 	 		 	 ·····

NYSDEC SAMPLE NI. VOLATILE ORGANICS ANALYSIS DATA SHEET

			VBLKOI
Lab Name:	STL/CT	Contract:	100 MARINE AND 100 Mary 100 Marin 10

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Matrix: (soil/water) SOIL Lab Sample ID: VBLKOI

Sample wt/vol: 4 (g/mL)G Lab File ID: >06285

Level: (low/med) MED Date Received:

% Moisture: not dec. 0 Date Analyzed: 11/15/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (ul.

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/KG

A STATE OF THE PARTY OF THE PAR			
74-87-3	Chloromethane	1200	u
74-83-9	Bromomethane	1200	<del>- ŭ -</del>
75-01-4	Vinyl Chloride	1200	Ü
75-00-3	Chloroethane	1200	Ü
75-09-2	Methylene Chloride	180	J
67-64-1	Acetone	360	J
75-15-0	Carbon Disulfide	1200	Ū
75-35-4	1,1-Dichloroethene	1200	Ü
75-34-3	1,1-Dichloroethane	1200	<del>- Ŭ</del> -
540-59-0	1,2-Dichloroethene (total)	1200	Ü
67-66-3	Chloroform	1200	Ū
107-06-2	1,2-Dichloroethane	1200	Ū
78-93-3	2-Butanone	1200	<del>Ū</del>
71-55-6	1,1,1-Trichloroethane	1200	<del>Ŭ</del>
56-23-5	Carbon Tetrachloride	1200	<del>U</del>
75-27-4	Bromodichloromethane	1200	Ū
78-87-5	1,2-Dichloropropane	1200	<del>Ŭ</del>
10061-01-5	cis-1,3-Dichloropropene	1200	<del>Ŭ</del> l
79-01-6	Trichloroethene	1200	Ū
124-48-1	Dibromochloromethane	1200	Ū
79-00-5	1,1,2-Trichloroethane	1200	Ū
71-43-2	Benzene	1200	Ū
10061-02-6	trans-1,3-Dichloropropene	1200	Ū
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	Ū
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	Ū
108-90-7	Chlorobenzene	1200	Ū
100-41-4	Ethylbenzene	1200	Ū
100-42-5	Styrene	1200	
1330-20-7	Xylene (total)	1200	Ū

# VOLATILE METHOD BLANK SUMMARY NYSDEC SAMPLE NO.

VBLKOW

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: >OM6465

Lab Sample ID: VBLKOW

Date Analyzed: 11/22/99

Time Analyzed: 1220

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP59710

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
02	LP-3 LP-1	992987A-23 992987A-22	>06470 >06473	1605 1807
03 04 05				
06 07				
08 09				
10 11 12				
13 14				
15 16 17				
18 19				
20				
22 23 24				
25 26				
27 28 29				
30				

COMMENTS:	

NYSDEC SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>NT</b>	OTT /OTT	<b></b>		VBLKOW
Name:	STL/CT	Contract:	And the state of t	

Lab Code: IEACT Case No.: 2987A SAS No.: SDG No.: A2987

Lab

Matrix: (soil/water)SOIL Lab Sample ID: VBLKOW

Sample wt/vol: 4 (g/mL)G Lab File ID: >OM6465

Date Received: \_\_\_\_ Level: (low/med) MED

% Moisture: not dec. 0 Date Analyzed: 11/22/99

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

		CONCENTRATION UNITS:
CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/KG Q

			T
74-87-3	Chloromethane	1200	IJ
74-83-9	Bromomethane	1200	Ŭ
75-01-4	Vinyl Chloride	1200	Ĭ
75-00-3	Chloroethane	1200	Ŭ
75-09-2	Methylene Chloride	1200	<del>Ŭ</del> d
67-64-1	Acetone	910	Ĵ
75-15-0	Carbon Disulfide	1200	Ū
75-35-4	1,1-Dichloroethene	1200	Ū
75-34-3	1,1-Dichloroethane	1200	Ü
540-59-0	1,2-Dichloroethene (total)	1200	Ü
67-66-3	Chloroform	1200	Ū I
107-06-2	1,2-Dichloroethane	1200	Ū
78-93-3	2-Butanone	1200	TJ -
71-55-6	1,1,1-Trichloroethane	1200	Ū
56-23-5	Carbon Tetrachloride	1200	Ū
75-27-4	Bromodichloromethane	1200	— Ŭ −
78-87-5	1,2-Dichloropropane	1200	<del>- Ŭ</del>
10061-01-5	cis-1,3-Dichloropropene	1200	<del>- i</del>
79-01-6	Trichloroethene	1200	ਹ
124-48-1	Dibromochloromethane	1200	Ū
79-00-5	1,1,2-Trichloroethane	1200	<del>- ŭ</del> -
71-43-2	Benzene	1200	<del>- ŭ</del>
10061-02-6	trans-1,3-Dichloropropene	1200	Ū I
75-25-2	Bromoform	1200	Ū
108-10-1	4-Methyl-2-Pentanone	1200	<del>- ŭ</del> -
591-78-6	2-Hexanone	1200	<del>Ŭ</del>
127-18-4	Tetrachloroethene	1200	<del>- ŭ</del> -
79-34-5	1,1,2,2-Tetrachloroethane	1200	<del>U</del>
108-88-3	Toluene	1200	<del>- U</del>
108-90-7	Chlorobenzene	1200	— Ŭ
100-41-4	Ethylbenzene	1200	<del></del>
100-42-5	Styrene	1200	Ŭ
1330-20-7	Xylene (total)	1200	<del>- ŭ  </del>

### 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL/CT Contract: \_\_\_

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_\_ SDG No.: A2987

Lab File ID: (Standard): >OM6203 Date Analyzed:11/09/99

Instrument ID: HP59710 Time Analyzed:0906

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

	IS1 (BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT
12 HOUR STD UPPER LIMIT LOWER LIMIT	483860 967720 241930	12.06 12.56 11.56	2629894 5259788 1314947	13.35 13.85 12.85	2333215 4666430 1166608	18:12 18:62 17:62
YSDEC SAMPLE NO.						
VBLKO4 UPSTREAM TB-1 EB-1 DOWNSTREAM DOWNSTREAM D	462298 556934 618630 569487 614981 581191	12.08 12.11 12.11 12.10 12.10 12.10	2443698 2985416 3160490 2944538 3218534 2969491	13.37 13.40 13.40 13.39 13.39 13.38	2076908 2564366 2711321 2500106 2806110 2601592	18.12 18.15 18.14 18.16 18.15 18.15

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1.4-Difluorobenzene IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

page <u>1</u> of <u>1</u>

01 02 03

Lab Name: STL/CT Contract:

Lab File ID: (Standard): >OM6225 Date Analyzed:11/10/99

Instrument ID: HP59710 Time Analyzed:0938

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

ş						T 0.0 / 0.1	,
		IS1(BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
		ANDA H	1/1 11	ALLIA #	1/1 #	WITH #	V T ++
	12 HOUR STD	477275	12.10	2610217	13.40	2302474	18.16
	UPPER LIMIT	954550	12.60	5220434	13.90	4604948	18.66
	LOWER LIMIT	238638	11.60	1305108	12.90	1151237	17.66
	YSDEC SAMPLE NO.					The state of the s	
	NO.						
01	VBLKO5	526040	12.11	2713674	13.40	2256080	18.16
02	OWNSTREAMMSB	523245	12.13	2880758	13.40	2427785	18.17
03	DOWNSTREAMMS	588656	12.11	3000056	13.40	2545927	18.17
04 05	OWNSTREAMMSD	570991 561057	12.13 12.13	2936838 3027883	13.41	2462322	18.17 18.18
06	020 ppbQCS	201021	14.13	302/803	13.41	2560766	18.18
07							
08							
09							
10 11							
12						ALCOHOL MANAGEMENT AND	
13							
14				, <del></del>		·	
15							
16							
17 18							
19					<del></del>		
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

page <u>1</u> of <u>1</u>

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: (Standard): >OM6238 Date Analyzed:11/10/99

Instrument ID: HP59710 Time Analyzed:1958

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
UPPI	HOUR STD ER LIMIT ER LIMIT	498309 996618 249154	12.12 12.62 11.62	2793866 5587732 1396933	13.41 13.91 12.91	2361270 4722540 1180635	18.17 18.67 17.67
YSDI	EC SAMPLE						
VBLI TB-2 3 EB-2 94 95 96 97 98 99 01 12 34	2	480087 612624 612713	12.13 12.12 12.11	2421122 3143594 31233333	13.41 13.40	2004624 2631922 2623287	18.17
6 17 18 19 20 21							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

page <u>1</u> of <u>1</u>

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: (Standard): >OM6258 Date Analyzed:11/11/99

Instrument ID: HP59710 Time Analyzed: 0914

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

	IS1(BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD UPPER LIMIT LOWER LIMIT	554370 1108740 277185	12.07 12.57 11.57	3004306 6008612 1502153	13.34 13.84 12.84	2600724 5201448 1300362	18.12 18.62 17.62
YSDEC SAMPLE NO.						
VBLKO8 LP-150 END	574692 558540	12.06	2976736 2855591	13.35	2525767 2570063	18.10

IS1 (BCM) = Bromochloromethane IS2 (DFB) = 1,4-Difluorobenzene IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = - 50% of internal standard area RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

page <u>1</u> of <u>1</u>

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: (Standard): >K7596 Date Analyzed:11/11/99

Instrument ID: HP5970K Time Analyzed:2015

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT ‡
UPPI	HOUR STD ER LIMIT ER LIMIT	653422 1306844 326711	10.63 11.13 10.13	2635885 5271770 1317942	12.96 13.46 12.46	2065166 4130332 1032583	18.64 19.14 18.14
YSDI	EC SAMPLE NO.						
01 VBLI 02 LP- 03 LP- 04 LP- 05 LP- 06 LP- 07 LP- 08	14A 14B 14C 14 END 13 END	694119 551500 606569 630927 600607 504727 586891	10.70 10.70 10.73 10.66 10.73 10.83 10.70	2588676 2247956 2297900 2279524 2373997 2090762 2239232	13.11 13.01 12.97 13.16 12.97 13.13 13.01	2122391 1781026 1837019 1799857 1810202 1619327 1764444	18.62 18.64 18.62 18.67 18.64 18.67
10							
17 18 19 20 21							

IS1 (BCM) = Bromochloromethane IS2 (DFB) = 1,4-Difluorobenzene IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

page <u>1</u> of <u>1</u>

Lab Name: STL/CT Contract: \_\_\_\_

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_\_ SDG No.: A2987

Lab File ID: (Standard): >KM7606 Date Analyzed:11/12/99

Instrument ID: HP5970K Time Analyzed:1207

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

	TOT (DOM)	7				
	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ)	
	ALCEA #	1(1 #	ARLA #	K1 #	AREA #	RT #
12 HOUR STI	)	10.63	2379754	12.98	1890294	18.62
UPPER LIMIT		11.13	4759508	13.48	3780588	19.12
LOWER LIMIT	314748	10.13	1189877	12.48	945147	18.12
YSDEC SAMPI	E					
NO.						
)1 VBLKKT	692236	10.63	2526242	12.97	1948321	18.62
2 LP-11 ENDMS		10.68	2415229	13.01	1921922	18.67
3 020 ppbQCS	601884	10.75	2382319	13.08	1878788	18.68
4 LP-11 ENDMS		10.64	2265829	12.99	1795311	18.68
15 LP-11 ENDMS 16 LP-8 END		10.64	2281390	13.04	1790964	18.69
7   LP-8 END	580807	10.88	2200888	13.16	1734575	18.69
8	The state of the s					
9						<del></del>
0						
1						
2						
3						
5						
6						
7						
8						
9						
1 2						
· L						

IS1 (BCM) = Bromochloromethane IS2 (DFB) = 1,4-Diffuorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

page <u>1</u> of <u>1</u>

Lab Name: STL/CT Contract:

Lab File ID: (Standard): >KM7618 Date Analyzed:11/15/99

Instrument ID: HP5970K Time Analyzed:1056

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT ‡
12 HOUR STD UPPER LIMIT LOWER LIMIT	683153 1366306 341576	10.75 11.25 10.25	2697906 5395812 1348953	13.07 13.57 12.57	2156767 4313534 1078384	18.69 19.19 18.19
YSDEC SAMPLE NO.						
VBLKKU LP-12 END	681029 601053	10.64	2748727 2465817	12.96 13.11	2094592 1950855	18.64

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

page <u>1</u> of <u>1</u>

Lab Name: STL/CT Contract: \_\_\_\_

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: (Standard): >OM6283 Date Analyzed:11/15/99

Instrument ID: HP59710 Time Analyzed:1721

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

	AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD UPPER LIMIT LOWER LIMIT	394464 788928 197232	12.04 12.54 11.54	2241404 4482808 1120702	13.34 13.84 12.84	1871966 3743932 935983	18.11 18.61 17.61
YSDEC SAMPLE NO.						
VBLKOI LP-3 END LP-15 END LP-3 ENDRE LP-1 END	430857 358568 394314 341122 378761	12.09 12.07 12.08 12.08 12.08	2397840 1847831 2196664 1857200 2042258	13.38 13.36 13.38 13.37 13.38	2044231 1501058 1917604 1503008 1758583	18.11 18.11 18.12 18.13

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

page 1 of 1

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: (Standard): >OM6342 Date Analyzed:11/17/99

Instrument ID: HP59710 Time Analyzed:2009

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT ‡
12 HOUR STD UPPER LIMIT LOWER LIMIT	333374 666748 166687	12.00 12.50 11.50	1834073 3668146 917036	13.29 13.79 12.79	1537751 3075502 768876	18.05 18.55 17.55
YSDEC SAMPLE NO.						
VBLKOO EB-1	301501 326591	12.01 12.01	1666451 1790821	13.28 13.28	1439938 1481038	18.04 18.03
		and a state of the				

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

page <u>1</u> of <u>1</u>

Lab Name: STL/CT Contract: \_\_\_\_

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: (Standard): >OM6373 Date Analyzed:11/18/99

Instrument ID: HP59710 Time Analyzed:2049

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

	IS1 (BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT
12 HOUR STD UPPER LIMIT LOWER LIMIT	334699 669398 167350	11.96 12.46 11.46	1798958 3597916 899479	13.26 13.76 12.76	1506381 3012762 753190	18.02 18.52 17.52
YSDEC SAMPLE NO.						
VBLKOQ TRIP BLANK-1	287380 336006	11.98 11.98	1488426 1798328	13.27 13.27	1340601 1529571	18.00 18.02
		AND THE RESERVE OF TH				

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

page <u>1</u> of <u>1</u>

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 2987A SAS No.: \_\_\_\_ SDG No.: A2987

Lab File ID: (Standard): >OM6463 Date Analyzed:11/22/99

Instrument ID: HP59710 Time Analyzed:1027

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

	IS1 (BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD UPPER LIMIT LOWER LIMIT	351870 703740 175935	11.96 12.46 11.46	2034434 4068868 1017217	13.27 13.77 12.77	1731412 3462824 865706	18.01 18.51 17.51
YSDEC SAMPLE NO.						
VBLKOW LP-3 LP-1	338736 278757 273679	11.98 11.98 11.96	1836982 1803738 1604977	13.27 13.27 13.27	1494774 1416301 1306040	18.02 18.02 18.02

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

page <u>1</u> of <u>1</u>

### INORGANIC ANALYSES DATA SUPET

	INORGANIC A	ANALYSES DATA SE	HEET.		
Lab Name: STL		Contract			LP-14 END
Table attains, but in	***************************************	Concract.			
Lab Code: <u>STL</u> Ca	se No.: <u>2987A</u>	SAS No.:		_	SDG No.: <u>A2987</u>
Matrix (soil/water): S	OIL	Lab S	Sampl	e ID:	992987A-06
Level (low/med): Level (low/med):	<u>0W</u>	Date	Rece	eived:	11/09/99
% Solids: 8	4				
	•				
Concentrati	ion Unite (ya/	L or mg/kg dry	tiro i c	rh+1 -	Mar /Var
Concentrate	Ton onics (ag/	i or mg/kg dry	wer?	1116);	mg/kg
CAS No	. Analyte	Concentration	C	Q	М
7429-90			<del>                                     </del>		NR
7440-36	-0 Antimony				NR
7440-38	-2 Arsenic	0.64	U		P
7440-39			<del>  </del>		NR
7440-43					NR NR
7440-70			+		NR
7440-47		7.4	<del>  -</del>		T P
7440-48-			<del> </del>		NR
7440-50-		11.8	-	***************************************	T P
7439-89			1		NR
7439-92	-1 Lead	0.48	U		P
7439-95	-4 Magnesium				T NR
7439-96-					NR
7439-97-					NR
7440-02-					NR
7440-09-				******************	NR
7782-49-			1		NR
7440-22- 7440-23-			<b></b>		NR
$\frac{7440-23}{7440-28}$			<del>                                     </del>		NR
	-2 Vanadium		<del>  -</del>		NR
7440-66-		14.7	╂┼-	·····	NR
57-12-5	Cyanide	14./	╂		P
	Cyamina				NR
Color Before: BROWN	Clarit	y Before: OPAQU	Œ	Text	ure:
Color After: YELLOW	Clarit	y After: <u>CLEAR</u>	-	Arti	facts:
Comments:					
		^			

### 1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

			LP-15 END
Lab Name: STL		Contract:	LP-13 END
Lab Code: <u>STL</u>	Case No.: 2987A	SAS No.:	SDG No.: A298-
Matrix (soil/water):	SOIL	Lab Sample ID:	992987A-07
Level (low/med):	LOW	Date Received:	11/09/99
% Solids:	87		

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

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum		<del> </del>		NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	1.4			P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	10.1			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	530.			P
7439-89-6	Iron				NR
7439-92-1	Lead	134.			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese		T		NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	713.			P
57-12-5	Cyanide				NR

Color	Before:	BROWN	Clarity	Before:	OPAQUE	Texture:	
Color	After:	YELLOW	Clarity	After:	CLEAR	Artifacts:	***************************************
Commer	nts:						
		AT-					

### 1

EPA SAMPLE NO.

		INORGANIC A	NALYSES DATA SE	HEET			
Lab Name: <u>STL</u>		-	Contract:			LP-15	O END
Lab Code: STL	Case	No.: <u>2987A</u>	SAS No.:			SDG No.	: <u>A2987</u>
Matrix (soil/	water): <u>SOII</u>	1	Lab S	Samp	le ID:	9929871	<u>8 - 08</u>
Level (low/med	d): <u>LOW</u>		Date	Rec	eived:	11/09/9	99
% Solids:	87	anamang					
Co			L or mg/kg dry	T		T	
State Committee	CAS No.	Analyte	Concentration	C	Q	M	
	7429-90-5 7440-36-0 7440-38-2 7440-39-3 7440-41-7 7440-43-9 7440-47-3 7440-48-4 7440-50-8 7439-92-1 7439-95-4 7439-97-6 7440-02-0 7440-02-0 7440-02-0 7440-23-5 7440-28-0 7440-62-2	Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium	0.56 1.9 86.6 41.0	U		NR N	
	7440-66-6 57-12-5	Zinc Cyanide	500.			P NR	
Color Before:	BROWN	_ Clarit	y Before: <u>OPAOU</u>	<u>IE</u>	Text	ure: _	
Color After:	YELLOW	_ Clarit	y After: <u>CLEAR</u>	)	Arti	facts: _	
Comments:			Management of the second of th	F1			
500014-0450-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0					~!!		W

### 1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL Contract: LE	P-12 END
Lab Code: STL Case No.: 2987A SAS No.: SDG	No.: <u>A2987</u>
Matrix (soil/water): SOIL Lab Sample ID: 992	2987A-09
Level (low/med): LOW Date Received: 11/	<u>/09/99</u>
% Solids: 87	

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

CAS No.	Analyte	Concentration	C	Q	М
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.64	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	1.6	1		P
7440-48-4	Cobalt				NR
7440-50-8	Copper	10.8			P
7439-89-6	Iron				NR
7439-92-1	Lead	4.0			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	53.8			P
57-12-5	Cyanide				NR
			<u> </u>		

Color	Before:	BROWN	Clarity	Before:	OPAQUE	Texture:	
Color	After:	YELLOW	Clarity	After:	CLEAR	Artifacts:	
Commer	nts:						
-							

#### 1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

		INORGANIC A	NALYSES DATA SI	HEET		<b>(****</b>	
Lab Name: STL			Contract:			EB-1	
j			SAS No.:			SDG No	· 10007
Matrix (soil/w	vater): <u>WATE</u>	<u> </u>	Lab S	Samp	le ID:	99298	7A-10
Level (low/med	$1): \underline{LOW}$		Date	Rec	eived:	11/09	/99
% Solids:	0.0	no.comp					
Со	ncentration	Units (ug/	L or mg/kg dry	wei	aht).	IIC /I	
		(43/	z or mg/ng dry	** (* 1.)	9110).	0G/LJ	
				T			
	CAS No.	Analyte	Concentration	C	Q	М	
	7429-90-5	Aluminum		$\vdash$		NR	
	7440-36-0					NR	
	7440-38-2	Arsenic	4.0	tut		P	
	7440-39-3	Barium				NR	
	7440-41-7	Beryllium	2,4,4,-	†		NR	
	7440-43-9	Cadmium		<del>                                     </del>		NR	
	7440-70-2	Calcium		† – †		NR	
	7440-47-3	Chromium	2.0	111		P	
	7440-48-4	Cobalt		<del>                                     </del>		NR	
	7440-50-8		1.0	tut		P	
	7439-89-6	Iron		<del>                                     </del>		NR	
Ì	7439-92-1	Lead	3.0	U		P	
Ì	7439-95-4	Magnesium		<del>                                     </del>		NR	
j	7439-96-5	Manganese				NR	
44	7439-97-6	Mercury		1		NR	
	7440-02-0	Nickel		<del>  </del>		NR	
	7440-09-7	Potassium		1		NR	
African	7782-49-2	Selenium		<del>  </del>		NR	
1	7440-22-4	Silver		<del> </del>		NR	
}	7440-23-5	Sodium		+-+		NR	
Ì	7440-28-0	Thallium		<del>  </del>		NR	
ļ	7440-62-2			<del>  </del>		NR	
	7440-66-6	Zinc	11.5	B		P	
a de la companya de l	57-12-5	Cyanide		<del>                                     </del>		NR	

Colo	r Before:	COLORLESS	Clarity	Before:	CLEAR_	Texture:	***************************************
Colo	r After:	COLORLESS	Clarity	After:	CLEAR	Artifacts:	
Comm	ents:						
				***************************************			

#### 1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

		INORGANIC A	NALYSES DATA SH	IEET	
Lab Name: STL			Contract:		LP-13 END
Lab Code: STL	Case	No.: <u>2987A</u>	SAS No.:		SDG No.: <u>A2987</u>
Matrix (soil/w	ater): <u>SOIL</u>		Lab S	ample ID:	992987A-11
Level (low/med	l): <u>LOW</u>		Date	Received:	11/09/99
% Solids:	84	<del></del>			
Co	CAS No.  7429-90-5 7440-36-0 7440-38-2 7440-39-3 7440-41-7	Analyte Aluminum Antimony Arsenic Barium Beryllium	L or mg/kg dry Concentration 0.58	weight):	M NR NR P NR NR
Sandaway sa san ay y y	7440-70-2 7440-47-3 7440-48-4 7440-50-8 7439-89-6 7439-92-1	Cobalt Copper Iron Lead	1.0	B	NR NR P NR P NR P NR
	7439-95-4 7439-96-5 7439-97-6 7440-02-0 7440-09-7 7782-49-2 7440-22-4	Manganese Mercury Nickel Potassium Selenium			NR NR NR NR NR NR
		Sodium Thallium	8.0		NR NR NR NR P
Color Before:	BROWN	_ Clarit	y Before: <u>OPAQU</u>	<u>IE</u> Text	ure:
Color After:	YELLOW	Clarit	y After: <u>CLEAR</u>	Arti	facts:
Comments:					
					10-10-10-10-10-10-10-10-10-10-10-10-10-1

## INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL		Contract:	LP-11 END
Lab Code: STL	Case No.: <u>2987A</u>	SAS No.:	SDG No.: <u>A2987</u>
Matrix (soil/water):	SOIL_	Lab Sample ID:	992987A-14
Level (low/med):	LOW	Date Received:	11/09/99
% Solids: `	93		

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

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	And the state of the second section of the second second section of the se			NR
7440-36-0	Antimony			- 11°38'01' - 1 ° 1 ° 1 ° 1 ° 1 ° 1 ° 1 ° 1 ° 1 ° 1	NR
7440-38-2	Arsenic	0.51	Ū		P
7440-39-3	Barium		1		NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	32.4			Р
7440-48-4	Cobalt				NR
7440-50-8	Copper	18.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	2.0		"	P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium	de van dendemen mensenheld vormdemen vis. er et de bedrachten mille mid dan de ververen verminen de distribute de distribute de			NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	10.7			Р
57-12-5	Cyanide				NR

Color	Before:	BROWN	Clarity	Before:	OPAQUE	Texture:	
Color	After:	YELLOW	Clarity	After:	CLEAR	Artifacts:	Newstrick browning and the facility of the contractions
Commer	nts:						
*********							
Madeleane	endander sellem server en er en en er en			<del> </del>	<del></del>		

### INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL		Contract:	EB-2
Lab Code: STL	Case No.: <u>2987A</u>	SAS No.:	SDG No.: <u>A2987</u>
Matrix (soil/water):	WATER	Lab Sample ID:	992987A-15
Level (low/med):	TOM	Date Received:	11/10/99
% Solids:	0.0		

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

				·	1
CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	2.0	Ū		P
7440-48-4	Cobalt				NR
7440-50-8	Copper	1.0	U		P
	7439-89-6 Iron				NR
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
	7440-28-0 Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	5.6	В		P
57-12-5	Cyanide				NR
		<u> </u>	<u> </u>	<u> </u>	

Color	Before:	COLORLESS	Clarity	Before:	CLEAR	Texture:	
Color	After:	COLORLESS	Clarity	After:	CLEAR	Artifacts:	<del></del>
Commer	nts:						
<del></del>	and the state of t						

### 1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL		Contract:	LP-8 END
Lab Code: STL	Case No.: 2987A	SAS No.:	SDG No.: <u>A2987</u>
Matrix (soil/water)	SOIL	Lab Sample ID:	992987A-17
Level (low/med):	LOW	Date Received:	11/10/99
% Solids:	80		

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

CAS No.	Analyte	Concentration	С	Ď	М
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.54	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	12.4			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	26.3			Ρ
7439-89-6	Iron				NR
7439-92-1	Lead	5.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	18.7			P
57-12-5 Cyanide					NR
				1	

Color	Before:	BROWN	Clarity	Before:	OPAQUE	Texture:	
Color	After:	YELLOW	Clarity	After:	CLEAR	Artifacts:	and the second of the State Company of the State Co
Comme	nts:						
- Branch							

### INORGANIC ANALYSES DATA SHEET

EPA	SAMPLE	NO

Lab Name: <u>STL</u>		Contract:	LP-3 END
Lab Code: STL (	Case No.: <u>2987A</u>	SAS No.:	SDG No.: <u>A2987</u>
Matrix (soil/water):	SOIL	Lab Sample ID:	992987A-18
Level (low/med):	TOM	Date Received:	11/10/99
% Solids:	83		

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

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5 Aluminum					NR
7440-36-0	Antimony		<del> </del> -		NR
7440-38-2	Arsenic	0.71	Ū		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	22.3			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	759.			P
7439-89-6	Iron				NR
7439-92-1	Lead	34.5	<u> </u>		P
7439-95-4	Magnesium		<u> </u>		NR
7439-96-5	Manganese				NR
7439-97-6	Mercury		<u> </u>		NR
7440-02-0	Nickel		<u> </u>		NR
7440-09-7	Potassium		<u> </u>		NR
7782-49-2	Selenium				NR
7440-22-4	Silver		<u> </u>		NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	266.			P
57-12-5	Cyanide				NR
			<u></u>	1,	L

Color	Before:	BROWN	Clarity	Before:	OPAQUE	Texture:	
Color	After:	YELLOW	Clarity	After:	CLEAR	Artifacts:	
Commer	nts:						
de comme							

### 1

EPA SAMPLE NO

		INORGANIC A	NALYSES DATA SE	HEET		
T - 1 3 T						LP-1 END
Lab Name: STL			Contract:			
Lab Code: <u>STL</u>	Case	No.: <u>2987A</u>	SAS No.:		<del></del>	SDG No.: A2987
Matrix (soil/	water): <u>SOII</u>	<u>3</u>	Lab S	Samp	le ID:	992987A-19
Level (low/me	d): <u>LOW</u>		Date	Rec	eived:	11/10/99
% Solids:	83					
C	oncentration	u Units (ug/	L or mg/kg dry	wei	ght):	Mg/Kg
				T		
E Aut 1	CAS No.	Analyte	Concentration	С	Q	М
	7429-90-5					NR
	7440-36-0					NR
	7440-38-2	Arsenic	0.65	U		P
	7440-39-3	Barium				NR
		Beryllium				NR
	7440-43-9					NR
	7440-70-2					NR
	7440-47-3	Chromium	38.2	<u> </u>		P
	7440-48-4	Cobalt				NR
	7440-50-8	Copper	236.			P
1 12	7439-89-6	Iron				NR
	7439-92-1	Lead	19.0			P
	7439-95-4	Magnesium				NR
	7439-96-5	Manganese				NR
	7439-97-6	Mercury				NR
	7440-02-0	Nickel				NR
	7440-09-7	Potassium				NR
	7782-49-2	Šelenium				NR
	7440-22-4	Silver				NR
	7440-23-5	Sodium				NR
	7440-28-0	Thallium				NR
	7440-62-2	Vanadium				NR
	7440-66-6	Zinc	111.			P
	57-12-5	Cyanide			····	NR
Color Before:	BROWN	_ Clarit	y Before: <u>OPAQU</u>	E	Text	ure:
Color After:	YELLOW	Clarit	y After: <u>CLEAR</u>		Arti	facts:

Comments:

#### 1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

INORGANIC A				MALYSES DATA SE			
Lab Name: STL				Contract:			EB-1
	Lab Code: STL	Case	No.: <u>2987A</u>	SAS No.:	·		SDG No.: <u>A2987</u>
	Matrix (soil/w	ater): WATE	<u>IR</u>	Lab S	amp	le ID:	992987A-21
	Level (low/med	LOW		Date	Rec	eived:	11/16/99
	% Solids:	0.0					
	Со	ncentration	Units (ug/	L or mg/kg dry	wei	ght):	UG/L
- Contraction							
		CAS No.	Analyte	Concentration	С	Q	M
		7429-90-5	Aluminum				NR
		7440-36-0	Antimony				NR
-		7440-38-2	Arsenic	4.0	Ū		P
and best feet		7440-39-3	Barium	The state of the s		****	NR
words.		7440-41-7	Beryllium				NR
		7440-43-9	Cadmium				NR
"gantaria		7440-70-2	Calcium				NR
and the same		7440-47-3	Chromium	2.0	U		P
,		7440-48-4	Cobalt			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NR
		7440-50-8	Copper	1.0	U		P
AZ-Section 255		7439-89-6	Iron				NR
AND SOLE	1	7439-92-1 7439-95-4	Lead	3.0	U		P
		7439-95-4	Magnesium				NR
- 24.		7439-96-5	Manganese Mercury				NR
A Section Sec	Acceptance of the Control of the Con	7440-02-0	Nickel				NR
ž	have have	7440-02-0	Potassium				NR
	}	7782-49-2	Selenium				NR NR
and a second		7440-22-4	Silver				NR NR
distribution of	}	7440-23-5	Sodium				1 NR
		7440-28-0	Thallium				NR NR
1		7440-62-2	Vanadium				NR NR
		7440-66-6	Zinc	3.6	В		P
and and		57-12-5	Cyanide	~ 2 W			NR
	·				1		

Color	Before:	COLORLESS	Clarity	Before:	CLEAR	Texture:					
Color	After:	COLORLESS	Clarity	After:	CLEAR	Artifacts:	***************************************				
Comments:											

## 1 EPA SAMPLE NO. INORGANIC ANALYSES DATA SHEET

Lab Name: STL		Contract:	LP-1			
Lab Code: STL	Case No.: <u>2987A</u>	SAS No.:	SDG No.: <u>A2987</u>			
Matrix (soil/water):	SOIL	Lab Sample ID:	992987A-22			
Level (low/med):	LOW	Date Received:	11/16/99			
% Solids:	85					

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

					T
CAS No.	Analyte	Concentration	С	Q	М
7400 00 6	***************************************				1775
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.70	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	20.0			P
7440-48-4	Cobalt	the state of the s			NR
7440-50-8	Copper	121.			P
7439-89-6	Iron				NR
7439-92-1	Lead	10.8			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium		1		NR
7782-49-2	Selenium		<u> </u>		NR
7440-22-4	Silver		****		NR
7440-23-5	Sodium		·		NR
7440-28-0	Thallium		1		NR
7440-62-2	Vanadium		T		NR
7440-66-6	Zinc	59.8	1		P
57-12-5	Cyanide				NR
			1	1	

Color	Before:	BROWN	Clarity	Before:	OPAQUE	Texture:	
Color	After:	YELLOW	Clarity	After:	CLEAR	Artifacts:	######################################
Commer	nts:						
********							
					110000-3310-7-1-10-0		

### 1 TNORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

		NALYSES DATA S	HEET				
Lab Name: <u>STL</u>			Contract: _	v d vad čenad v klivaci čena v ved d d v	thinametri (handana) — da markata maka	LP-3	
Lab Code: STL	Case	No.: <u>2987A</u>	SAS No.:	<del></del>	SDG No.	: <u>A2987</u>	
Matrix (soil/w	water): <u>SOIL</u>		Lab	Samp:	le ID:	992987	A-23
Level (low/med	i): LOW		Date	Rec	eived:	11/16/	99
% Solids:	80	_					
Co	CAS No.  7429-90-5 7440-36-0 7440-38-2 7440-39-3	Analyte  Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium	L or mg/kg dry  Concentration  0.71  48.7  916.  84.7	C	ght): Q	Mg/Kg  M  MR  NR  NR  NR  NR  NR  NR  NR  NR	
Color Before:	BROWN	_ Clarit	y Before: <u>OPAO</u>	<u>UE</u>	Text	ure:	
Color After:	YELLOW		y After: <u>CLEA</u>			facts: _	

Comments:

Lab	Name:	STL				Conti	ract: .		_			
Lab	Code:	STL	Case	No.:	······································	SAS	No.:		SDG	No.:	<u>A2987</u>	_
Prep	paratio	on Blank	Matrix	(soil/wat	cer):	SOIL						
Prep	paratio	on Blank	Concent	ration Un	nits (	ug/L or t	ng/kg)	: MG/KG				

¥.							·
Physilian obstanting	Analyte	Initial Calibration Blank (ug/L) (		inuing Calil Blank (ug, 2		Prepa- ration Blank C	М
	Aluminum			I			NR
apt had	Antimony						NR
distribution	Arsenic	4.00	1 4.0U	4.0	J 4.00	0.800	P
ž.	Barium						NR
	Beryllium						NR
The Control of	Cadmium						NR
Arthethel	Calcium						NR
	Chromium	2.00	2.0U	2.0	J 2.0U	0.400	
ą	Cobalt						NR
evolutions.	Copper	1.0	J -1.5B	-2.2	-3.5B	0.200U	
ř	Iron						NR
	Lead	3.00	3.0U	3.0	J 3.0U	0.600U	
i dia	Magnesium						NR
- Angelow	Manganese						NR
ř	Mercury						NR
	Nickel						NR
Official	Potassium						NR
and the same	Selenium						NR
	Silver						NR
	Sodium						NR
The same of the sa	Thallium						NR
-	Vanadium		<u> </u>	<u></u>			NR
	Zinc	3.00	3.00	5.1	3.0 <b>U</b>	0.600U	
į	Cyanide						NR
		<u>L</u>			1		

Lab Name:	STL				Cont	ract: _				
Lab Code:	STL	Case	No.:	an managa darraharra darrahar	SAS	No.:		SDG	No.:	<u>A2987</u>
Preparation	on Blank	Matrix	(soil/v	vater):	WATER	2				
Preparation	on Blank	Concent	cration	Units	(ug/L or	mg/kg)	: UG/L			

AL.	A CONTRACTOR OF THE PROPERTY O									
A Wilman Common of		Initial Calibration Blank		Continuing Calibration Blank (ug/L)						
Tanda Wind Card and	Analyte	(ug/L) C	1	C	2 C	3	d Blank d	M		
ş	Aluminum							NR		
	Antimony							NR		
Southerly of	Arsenic		4.(				4.0000	P		
Settlebel.	Barium							NR		
	Beryllium							NR		
ę	Cadmium							NR		
Shekeye	Calcium							NR		
e de la composition della comp	Chromium		2.0	DU			2.000	P		
	Cobalt							NR		
L CA	Copper		-4.(	)B			1.0000	P		
Maria	Iron							NR P		
-	Lead		3.0	DU			3.000 <b>U</b>	P		
	Magnesium							NR		
	Manganese							NR		
	Mercury							NR		
	Nickel							NR		
	Potassium							NR		
	Selenium							NR		
	Silver							NR		
	Sodium							NR		
	Thallium							NR		
	Vanadium							NR		
	Zinc		3.0	OU			3.000 <b>U</b>	P		
	Cyanide							NR		

Lab Name:	STL		and the same and t	Contract: _		<del>-</del>	
Lab Code:	STL	Case No.:	anguaranta ta apiri pangangangangan anguaran anguaran anguaran anguaran anguaran anguaran anguaran anguaran an	SAS No.:		SDG No.:	A2987
Preparation	on Blank	Matrix (soil	/water):	WATER			
Preparation	on Blank	Concentratio	n Units (ug	/L or mg/kg):	UG/L		

Analyte	Initial Calibration Blank (ug/L)	C	Conti 1 C	uing Calik Blank (ug/	rati L)	on 3		Prepa- ration		
maryce	(49/11)	4	1 (	2		٥	9	Blank	Ч	М
Aluminum		r <del> </del>			I					NR
Antimony		<b></b>		***************************************						NR
Arsenic	4.0	U	4.00	4.0t		4	. ou			P
Barium										NR
Beryllium		1								NR
Cadmium		-				· · · · · · · · · · · · · · · · · · ·			$\dashv$	NR
Calcium	-			***************************************		20.000.0000000000000000000000000000000			$\dashv$	NR
Chromium	2.0	U	2.00	2.00		2	. old		-++	P
Cobalt							11		~	NR
Copper	-1.7	В	-2.0B	-2.3E		- 2	. 4B			P
Iron										NR
Lead	3.0	U	3.0 <b>U</b>	3.00		3	. ou		-+1	P
Magnesium						· · · · · · · · · · · · · · · · · · ·				NR
Manganese				· · · · · · · · · · · · · · · · · · ·			-11-			NR
Mercury						······································				NR
Nickel										NR
Potassium									-11	NR
Selenium									-11	NR
Silver									-11	NR
Sodium										NR
Thallium		$\prod$				······································				NR
Vanadium							11			NR
Zinc	3.0	U	3.0U	-3.2E		3	. 00		77	Ð
Cyanide									11	NR
						· · · · · · · · · · · · · · · · · · ·			-11	

La	ab	Name:	STL				Con	tract:						
La	ab	Code:	STL	Case	No.: _	VIII. 1	SA	S No.:			SDG	No.:	<u>A298</u>	7_
Pı	rep	aratio	on Blank	Matrix	(soil/	water):	WATE	R						
Pı	reŗ	aratio	on Blank	Concent	ration	Units	(ug/L or	mg/kg	r) :	UG/L	****			

programition property than the programme of the programme	Analyte	Initial Calibration Blank (ug/L) C	Cont:	inuing Calib Blank (ug/ 2 C	L)	Prepa- ration Blank (	M
,	Aluminum						NR
ţ	Antimony						NR
Anglieta	Arsenic		4.00	4.0U	4.00		P
Therefore,	Barium			***************************************			NR
	Beryllium						NR
, the	Cadmium						NR
Diamba	Calcium						NR
vila	Chromium		2.00	2.0U	2.0U		P
	Cobalt						NR
agtsAstLi	Copper		-1.4B	-2.6B	-3.4B		P
darlassa	Iron						NR
	Lead		3.0U	3.0Ü	3.0 <b>U</b>		P
	Magnesium						NR
(Inflored) A	Manganese						NR
allaction.	Mercury						NR
	Nickel						NR
3	Potassium						NR
Available	Selenium					V-2	NR
due.	Silver						NR
	Sodium						NR
, de de	Thallium						NR
nhedeep	Vanadium						NR
66	Zinc		3.00	-3.1B	-3.2B		P
	Cyanide						NR
- Andread							

## SPIKE SAMPLE RECOVERY EPA SAMPLE NO.

Lab Name:	STL		Contract:		LP-11 E	NDS
Lab Code:	STL	Case No.: 2987A	SAS No.:	After a second and a second at the second and a second at the second at the second at the second at the second	SDG No.:	A2987
Matrix:	SOIL			Level	(low/med):	<u>LOW</u>
% Solids	for Sample	: <u>93</u>				

Concentration Units (ug/L or mg/kg dry weight):  $\underline{\text{MG/KG}}$ 

Analyte	Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR)	С	Spike Added (SA)	%R	Q	M
Aluminum								NR
Antimony								NR
Arsenic	75-125	7.9060	0.5060	Ū	7.92	99.9		Р
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium	75-125	72.6568	32.4019		39.58	101.7		P
Cobalt								NR
Copper	75-125	68.5832	18.4606		49.48	101.3		P
Iron								NR
Lead	75-125	6.4907	1.9850		3.96	113.8		P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium				~~				NR
Thallium								NR
Vanadium								NR
Zinc	75-125	103.7394	10.7100		98.95	94.0		Р
Cyanide								NR
<u> </u>			1					

Comm	ments:
-branchiston	
ĺ	

FORM V (PART 1) - IN

b EPA SAMPLE NO. DUPLICATES

		•		LP-11	ENDD
Lab	Name:	STL	Contract:		W-0

Matrix: SOIL Level (low/med): LOW

% Solids for Duplicate: 93 % Solids for Sample: 93

### Concentration Units (ug/L or mg/kg dry weight): $\underline{\text{MG/KG}}$

Analyte	Control Limit	Sample (S)	С	Duplicate (D)	С	RPD	Q	М
Aluminum				**************************************				NR
Antimony								NR
Arsenic		0.5060	U	0.8039	Ū			Р
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium		32.4019		26.6152		19.6		P
Cobalt								NR
Copper	5.0	18.4606		12.1105		41.5		P
Iron								NR
Lead	0.6	1.9850		1.2653		44.3		P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc	4.0	10.7100		4.3281		84.9		Р
Cyanide								NR



### SAMPLE DATA SUMMARY PACKAGE

CLIENT: PROJECT ID:

SDG #:

STL ID:

FANNING, PHILLIPS & MOLNAR CARDWELL CONDENSER

A0038

7000-0038A



### 7000-0038A FANNING, PHILLIPS & MOLNAR

#### Case Narrative

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using NYSDEC '95 Protocols. The instrumentation used was a Tekmar Model 2000/2016 Concentrator/Archon 51 autosampler interfaced with a Hewlett-Packard Model 5971A GC/MS/DS.

Sample Calculation:

Sample ID – MW-12A Compound – Tetrachloroethene

(2344890)(250)(2)= 268.03= 270 UG/L. (2176261)(.402)(5)

The percent recoveries for the spike compounds, carbon disulfide, vinyl acetate and 2-butanone were outside criteria limits in the 020PPB\_QCS.

Samples MW-12A and MW-12C were analyzed at a dilution of 1:2 due to high target compound concentrations.

No problems were encountered.

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Jeffrey C. Curran

Janelary 34 Lier Pate

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

### SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer	Laboratory			Analytical F	Requirements		
Sample Code	Sample Code	* VOA GC/MS Method #	*SNA GC/MS Method #	*VOA GC Method #	*Pest PCBs Method #	*Metals	*Other
MH-12A	000038A-01	X.					
¥4-12C	000038A-02	X		The state of the s			
KW-13A	000038A-03	х	·····				
MW-13A	000038A-03MS	x					
XX+13A	000038A-03MSB	X					
₩-13A	000038A-03MSD	x					
WM-13E	000038A-04	x					
MW-13T	000038A-05	x					
			Mere fundi er umrakrizeren manaman en en er en		VIII.		
			:				

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

# SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

			**************************************	<del></del>	
Laboratory Sample ID	Matrix	Date Collected	Date Reo'd at Lab	Date Extracted	Date Analysed
000038A-01	WATER	01/05/00	01/06/00	NA	01/2/00
0000388-02	WATER	01/05/00	01/06/00		
000038A-03	WATER	01/05/00	01/06/00		01/2/00
0000388-04	WATER	01/05/00	01/06/00		
000038A-05	WATER	01/05/00	01/06/00	V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
er erste					
		:			
				- Andrews	
Language and the contract of t	<u> </u>	**************************************		1	32.000 (Marie Marie Mari

### WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: STL/CT Contract: \_\_\_\_

	**************************************					
	NYSDEC	SMC1	SMC2	SMC3	OTHER	TOT
	SAMPLE NO.	(TOL)#	(BFB)#	(DCE)#		OUT
						-
01	VBLKLZ	98	100	94		0
02	MW-13A	98	101	95		0
03	MW-13E	97	100	97		0
04	MW-13T	98	101	97		0
05	VBLKL1	98	104	94		0
06	MW-13AMSB	99	100	95		0
07	MW-13AMS	99	100	95		0
0.8	MW-13AMSD	99	102	97		0
09	020PPB QCS	98	100	98		0
10	MW-12A	99	104	94		0
11	MW-12C	100	103	94		0
12			***************************************	-		
13						
14						
15						
16						
17						
18						
19						
20	***************************************					
21						
23						ļ
24	***************************************					ļ
25						
26	***************************************					
27						
28						<u> </u>
29						
30					Ì	L

QC LIMITS
SMC1 (TOL) = Toluene-d8 (88-110)
SMC2 (BFB) = Bromofluorobenzene (86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

- # Column to be used to flag recovery values
- \* Values outside of contract required QC limits

page <u>1</u> of <u>1</u>

FORM II-CLP-VOA-1

10/9E

#### 3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL/CT Contract:

Matrix Spike - NYSDEC Sample No.: MW-13A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	57	114	61-145
Trichloroethene	50	20	71	102	71-120
Benzene	50	0	53	106	76-127
Toluene	50	0	50	100	76-125
Chlorobenzene	50	0	49	98	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC L RPD	IMITS   REC.
1,1-Dichloroethene	50	56	112	2	14	61-145
Trichloroethene	50	69	98	4	14	71-120
Benzene	50	52	104	2	11	76-127
Toluene	50	48	96	4	13	76-125
Chlorobenzene	50	48	96	2	13	75-130

- # Column to be used to flag recovery and RPD values with an asterisk
- \* Values outside of QC limits.

COMMENTS:	

### 3-ASP VOLATILE MATRIX SPIKE BLANK RECOVERY SUMMARY

Lab Name:	STL/CT			Contra	act:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<u>.</u>	
Lab Code:	IEACT	Case No.:	0038A	SAS N	10.:		SDG	No.:	A0038
Matrix Sp	ike - NYSD	EC Sample 1	No.: MW-	13A					

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	SPIKE CONCENTRATION (ug/L)	SPIKE % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	58	116	61-145
Trichloroethene	50	0	50	100	71-120
Benzene	50	0	54	108	76-127
Toluene	50	0	51	102	76-125
Chlorobenzene	50	0	50	100	75-130

#	Column	to	be	used	to	flag	recovery	with	an	asterisk
---	--------	----	----	------	----	------	----------	------	----	----------

\* Values outside of QC limits.

Spike	Recovery:0	out c	of	5	outside	limits
COMME	NTS:					
					D 1103 3	

FORM III-CLP-VOA-1

10/95

### QCS Spike Summary

Spike: L9009.D

Spike: Dadoa.n					
	Spike	Spike			
Compound	Amount	Result	Rec	Low	<u> High</u>
Chloromethane	2.0				
	20	18	90	32	156
Bromomethane	20	17	85	66	121
Vinyl Chloride	20	18	90	63	129
Chloroethane	20	16	80	78	119
Methylene Chloride	20	20	100	83	114
Acetone	20	16	80	29	156
Carbon Disulfide	20	14	70*	78	119
Vinyl Acetate	20	1	5 *	16	144
1,1-Dichloroethene	20	22	110	78	122
1,1-Dichloroethane	20	20	100	80	119
1,2-Dichloroethene (total)	40	39	98	84	114
Chloroform	20	19	95	83	114
1,2-Dichloroethane	20	21	105	80	123
2-Butanone	20	7	35*	55	146
1,1,1-Trichloroethane	20	20	100	72	128
Carbon Tetrachloride	20	19	95	77	127
Bromodichloromethane	20	18	90	81	118
1,2-Dichloropropane	20	19	95	77	125
cis-1,3-Dichloropropene	20	19	95	74	111
Trichloroethene	20	18	90	82	114
Dibromochloromethane	20	18	90	81	121
1,1,2-Trichloroethane	20	18	90	74	126
Benzene	20	20	100	78	120
trans-1,3-Dichloropropene	20	19	95	80	128
Bromoform	20	17	85	68	134
4-Methyl-2-Pentanone	20	18	90	58	141
2-Hexanone	20	15	75	$\frac{3}{4}$ 7	150
Tetrachloroethene	20	18	90	78	118
Toluene	20	19	95	70	140
1,1,2,2-Tetrachloroethane	20	18	90	76	118
Chlorobenzene	20	19	95	77	118
Ethylbenzene	20	21	105	82	113
Styrene	20	19	95	77	118
Xylene (total)	60	60	100	77	120
1 , 55554	0.0	0.0	T 0 0	, ,	T Z A

# VOLATILE METHOD BLANK SUMMARY NYSDEC SAMPLE NO.

	ĺ
VBLKLZ	-
	1

Lab Name: STL/CT Contract: \_\_\_\_

Lab File ID: >L8985 Lab Sample ID: VBLKLZ

Date Analyzed: 01/11/00 Time Analyzed: 2219

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971L

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-13A	000038A-03	>L8988	0025
02	MW-13E	000038A-04	>L8989	0059
03	MW-13T	000038A-05	>L8990	0132
04				
05				
06				
07				
08	THE REAL PROPERTY OF THE PROPE			
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
Ì				L

### 4A VOLATILE METHOD BLANK SUMMARY

NYSDEC	SAMPLE	250

	1
	- 1
VBLKL1	ł
. A 10 71 (11 7	1
	- 1
	f f

Contract: Lab Name: STL/CT

Lab File ID: >L9005

Lab Sample ID: VBLKL1

Date Analyzed: 01/12/00

Time Analyzed: 1357

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971L

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

	NYSDEC	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	MW-13AMSB	000038A-03MSB	>L9006	1430
02	MW-13AMS	000038A-03MS	>L9007	1503
	MW-13AMSD	000038A-03MSD	>L9008	1536
04	020PPB QCS	020PPB QCS	>L9009	1610
	MW-12A	000038A-01	>L9015	1929
	MW-12C	000038A-02	>L9016	2002
07				
08 09				
10				
11		The same of the sa		
12				
13				
14	A STATE OF THE STA			
15				
16 17				
18				
19				
20				
21				
22				
23				
24 25				
26				
27				
28			, , , , , , , , , , , , , , , , , , , ,	
29	, <u> </u>			
30				

COMMENTS:	

page 1 of 1

## 5A VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: STL/CT Contract:

Lab File ID: LB894 BFB Injection Date:01/11/00

Instrument ID: HP5971L BFB Injection Time:0932

GC Column: 007-624 ID: 0.53 Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15 - 40 percent of mass 95	16.0
75	30 - 60 percent of mass 95	36.9
95	Base peak, 100 percent relative abundance	100.0
96	5.0 - 9.0 percent of mass 95	6.8
173	Less than 2.9 percent of mass 174	0.0 ( 0.0)3
174	50 - 120 percent of mass 95	63.2
175	5.0 - 9.0 percent of mass 174	4.5 ( 7.1)1
176	95 - 101 percent of mass 174	62.7 (99.1/1
177	5.0 - 9.0 percent of mass 176	5.4 ( 8.5)2

1-Value is % mass 174

2-Value is % mass 176

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

01		NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
21	02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20	VSTD100LU VSTD050LV VSTD020LW	VSTD100LU VSTD050LV VSTD020LW	>LM8972 >LM8973 >LM8974 >LM8975	01/11/00 01/11/00 01/11/00 01/11/00	1120 1153 1226 1357

## VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: STL/CT Contract:

Lab File ID: LB895 BFB Injection Date:01/11/00

Instrument ID: HP5971L BFB Injection Time:1938

GC Column: 007-624 ID: 0.53 Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	≹ RELATIVE ABUNDANCE
50	15 - 40 percent of mass 95	15.6
75	30 - 60 percent of mass 95	36.7
95	Base peak, 100 percent relative abundance	100.0
96	5.0 - 9.0 percent of mass 95	8.3
173	Less than 2.9 percent of mass 174	0.0 ( 0.0+1
174	50 - 120 percent of mass 95	62.8
175	5.0 - 9.0 percent of mass 174	4.7 ( 751
176	95 - 101 percent of mass 174	61.3 (97.8)
177	5.0 - 9.0 percent of mass 176	5.0 ( 8.112

1-Value is % mass 174

2-Value is % mass 176

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

NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZEI
VSTD050LZ	VSTD050LZ	>L8984	01/11/00	2109
VBLKLZ	VBLKLZ	>L8985	01/11/00	2219
MW-13A	000038A-03	>L8988	01/12/00	0025
MW-13E	000038A-04	>L8989	01/12/00	0059
MW-13T	000038A-05	>L8990	01/12/00	0132
				!
				)

## 5A VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: STL/CT Contract:

Lab File ID: LB898 BFB Injection Date:01/12/01

Instrument ID: HP5971L BFB Injection Time: 0922

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15 - 40 percent of mass 95	15.8
75	30 - 60 percent of mass 95	37.8
95	Base peak, 100 percent relative abundance	100.0
96	5.0 - 9.0 percent of mass 95	6.2
173	Less than 2.9 percent of mass 174	0.0 0.1.1
174	50 - 120 percent of mass 95	58.4
175	5.0 - 9.0 percent of mass 174	3.3 5.71
176	95 - 101 percent of mass 174	56.9 97.5 1
177	5.0 - 9.0 percent of mass 176	4.4 7.72

1-Value is % mass 174

2-Value is % mass 176

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED:
01	VSTD050L1	VSTD050L1	>L9003	01/12/00	1120
02	VBLKL1	VBLKL1	>L9005	01/12/00	1357
03	MW-13AMSB	000038A-03MSB	>L9006	01/12/00	1430
04	MW-13AMS	000038A-03MS	>L9007	01/12/00	1503
	MW-13AMSD	000038A-03MSD	>L9008	01/12/00	1536
	020PPB QCS	020PPB QCS	>L9009	01/12/00	1610
	MW-12A	000038A-01	>L9015	01/12/00	1929
	MW-12C	000038A-02	>L9016	01/12/00	2002
09					
10					
11					
12					
13					
14					
15					
16	}				
17					
18					
19					
20					
21					
22			<u> </u>		

#### 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 0038A SAS No.: \_\_\_\_ SDG No.: A0038

Lab File ID: (Standard): >L8984 Date Analyzed:01/11/00

Instrument ID: HP5971L Time Analyzed:2109

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

	IS1 (BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT ‡
12 HOUR STD UPPER LIMIT LOWER LIMIT	351093 702186 175546	11.24 11.74 10.74	1726834 3453668 863417	12.53 13.03 12.03	1400875 2801750 700438	16.64 17.14 16.14
YSDEC SAMPLE NO.						
VBLKLZ MW-13A MW-13E MW-13T	402077 383318 360732 358655	11.26 11.24 11.23 11.24	2002125 1915603 1812664 1796069	12.56 12.53 12.53 12.54	1629390 1545199 1487058 1475249	16.64 16.64 16.64 16.64

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

#### 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL/CT Contract: \_\_\_\_

Lab Code: IEACT Case No.: 0038A SAS No.: \_\_\_\_ SDG No.: A0038

Lab File ID: (Standard): >L9003 Date Analyzed:01/12/00

Instrument ID: HP5971L Time Analyzed:1120

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

12 HOUR STD		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
NO.    VBLKL1	UPPER LIMIT	1026004	11.76	5058450	13.06	4117594	17.16
MW-13AMSB 516437 11.26 2600847 12.54 2141338 16.64 MW-13AMS 534428 11.24 2665703 12.53 2176641 16.64 MW-13AMSD 481710 11.24 2453710 12.55 2033120 16.66 020PPB QCS 524393 11.26 2619554 12.56 2148815 16.64 MW-12A 541595 11.26 2691742 12.54 2176261 16.64 MW-12C 537017 11.24 2705237 12.55 2158534 16.64							
	MW-13AMSB MW-13AMS MW-13AMSD 020PPB QCS MW-12A	516437 534428 481710 524393 541595	11.26 11.24 11.24 11.26 11.26	2600847 2665703 2453710 2619554 2691742	12.54 12.53 12.55 12.55 12.56	2141338 2176641 2033120 2148815 2176261	16.64 16.64 16.66 16.64

IS1 (BCM) = Bromochloromethane IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
\* Values outside of QC limits.

Instrument Detection Limit Report Date:30 Aug 99 22:15 hrs

Instrument:HP5971:L

Units: ug/L

· ·	IDL
Chloromethane Bromomethane Vinyl Chloride Chloroethane Ethyl Ether Methylene Chloride Ethyl Acetate Acetone 1,1,2-Trichlorotrifluoroethane Iodomethane Tert-Butyl-Methylether Carbon Disulfide Acrylonitrile 1,1-Dichloroethene Trichlorofluoromethane 3-Chloro-1-Propene 1,1-Dichloroethane 1,2-Dichloroethene (total)t 1,2-Dichloroethene (total)c 2-Methyl-2-Propenenitrile Chloroform Tetrahydrofuran 1,2-Dichloroethane 2-Butanone 'oropicrinoromomethane 2-Chloro-1,3-Butadiene 1,1-Trichloroethane Carbon Tetrachloride Vinyl Acetate Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Methylmethacrylate Dibromochloromethane 2-Nitropropane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 1,2-Dibromoethane 2-Chloroethylvinylether 1,1,2-Tetrachloroethane Benzene trans-1,3-Dichloropropene Bromoform 1,2-Dibromoethane 2-Chloroethylvinylether 1,1,2-Tetrachloroethane 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Ethyl Methacrylate Toluene -orobenzene Echylbenzene Styrene	111110255111111121111111111111111111111

<pre>Xylene (total)mp Xylene (total)o 1,2,3-Trichloropropane 1,4-Dichloro-2-Butene 1,2-Dibromo-3-chloropropane 3-DichlorobenzeneDichlorobenzene 1,2-Dichlorobenzene Pentachloroethane</pre>	1 1 1 1 2 2 1

NYSDEC SAMPLE NI. VOLATILE ORGANICS ANALYSIS DATA SHEET

	MW-12A
Contract:	

Lab Name: STL/CT

Matrix: (soil/water)WATER Lab Sample ID: 000038A-01

Sample wt/vol: 5 (g/mL)ML Lab File ID: >L9015

Level: (low/med) LOW Date Received: 01/06/00

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/12/00

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/L

			T
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	Ū
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	Ū
75-09-2	Methylene Chloride	20	Ū
67-64-1	Acetone	20	Ü
75-15-0	Carbon Disulfide	20	Ū
75-35-4	1,1-Dichloroethene	20	
75-34-3	1,1-Dichloroethane	20	Ū
540-59-0	1,2-Dichloroethene (total)	3	J
67-66-3	Chloroform	20	Ü
107-06-2	1,2-Dichloroethane	20	Ū
78-93-3	2-Butanone	20	— <u> </u>
71-55-6	1,1,1-Trichloroethane	20	Ü
56-23-5	Carbon Tetrachloride	20	Ü
75-27-4	Bromodichloromethane	20	Ū
78-87-5	1,2-Dichloropropane	20	T Ū
10061-01-5	cis-1,3-Dichloropropene	20	Ū
79-01-6	Trichloroethene	8	J
124-48-1	Dibromochloromethane	20	Ū
79-00-5	1,1,2-Trichloroethane	20	<del>U  </del>
71-43-2	Benzene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	Ū I
75-25-2	Bromoform	20	Ū
108-10-1	4-Methyl-2-Pentanone	2	J
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	270	·
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-88-3	Toluene	.5	J
108-90-7	Chlorobenzene	.7	J
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	. 4	J
1330-20-7	Xylene (total)	. 6	J

1A N VOLATILE ORGANICS ANALYSIS DATA SHEET NYSDEC SAMPLE NI.

Lab Name: STL/CT		Contract:	MM-TSC
Lab Code: IEACT	Case No.: 0038A	SAS No.: SDG No	.: A0038
Matrix: (soil/water	) WATER	Lab Sample ID:	000038A-02
Sample wt/vol:	5 (g/mL)ML	Lab File ID:	>L9016
Level: (low/med)	LOW	Date Received:	01/06/00
% Moisture: not dec	•	Date Analyzed:	01/12/00

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/L Q

		7
Chloromethane	20	T+
		U
		Ü
		U
		U
Acetone		U
Carbon Disulfide		U
		U
		Ū
		J
Chloroform		Ü
1,2-Dichloroethane		U
2-Butanone		U
1,1,1-Trichloroethane		Ū
Carbon Tetrachloride		<del>- 0</del> -
		Ū
		U
cis-1,3-Dichloropropene		<del>U</del>
Trichloroethene		J
Dibromochloromethane		Ū
1,1,2-Trichloroethane		Ti I
Benzene		$-\overline{\mathbf{U}}$
trans-1,3-Dichloropropene		<del>- U</del>
Bromoform		<u>_</u>
4-Methyl-2-Pentanone		<del>- ŭ</del>
2-Hexanone		<del>U</del>
Tetrachloroethene		
1,1,2,2-Tetrachloroethane		ŢJ
Toluene		<del>U</del> —
Chlorobenzene		<u>U</u>
Ethylbenzene		<del>- U</del>
Styrene		<del>- Ŭ</del> -
Xylene (total)	20	<u>U</u>
	Carbon Disulfide  1,1-Dichloroethene  1,2-Dichloroethene (total)  Chloroform  1,2-Dichloroethane  2-Butanone  1,1,1-Trichloroethane  Carbon Tetrachloride  Bromodichloromethane  1,2-Dichloropropane  cis-1,3-Dichloropropene  Trichloroethene  Dibromochloromethane  1,1,2-Trichloroethane  Benzene  trans-1,3-Dichloropropene  Bromoform  4-Methyl-2-Pentanone  2-Hexanone  Tetrachloroethene  1,1,2,2-Tetrachloroethane  Toluene  Chlorobenzene  Ethylbenzene  Styrene	Bromomethane

1A NYSDEC SAM VOLATILE ORGANICS ANALYSIS DATA SHEET NYSDEC SAMPLE NO.

Lab	Name:	STL/CT	Contract:	MW-13E
			No.	

Lab Code: IEACT Case No.: 0038A SAS No.: \_\_\_\_ SDG No.: A0038

Matrix: (soil/water) WATER Lab Sample ID: 000038A-04

Sample wt/vol: 5 (g/mL)ML Lab File ID: >L8989

Level: (low/med) LOW Date Received: 01/06/00

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/12/00

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
74-87-3	Chloromothano		-

74-87-3 Chloromethane	
1 ( 1 0 ) 0   CILLOI ONC CITATIC	U
74-83-9 Bromomethane 10	Ū
75-01-4 Vinyl Chloride	<del>U</del>
75-00-3 Chloroethane 10	Ū
75-09-2 Methylene Chloride	<del>U</del> -
67-64-1 Acetone 10	Ü
75-15-0   Carbon Disulfide 10	Ŭ
75-35-4 1,1-Dichloroethene 10	Ŭ
75-34-3 1,1-Dichloroethane	Ū
540-59-0 1,2-Dichloroethene (total) 10	Ŭ
67-66-3 Chloroform 10	Ŭ
107-06-2 1,2-Dichloroethane	<del>Ŭ</del>
78-93-3 2-Butanone	<del></del>
71-55-6 1,1,1-Trichloroethane 10	Ū
56-23-5   Carbon Tetrachloride 10	Ū
75-27-4 Bromodichloromethane	- <del>ŭ-</del> l
78-87-5   1,2-Dichloropropane   10	<del>Ŭ</del>
10061-01-5   cis-1,3-Dichloropropene	Ū
79-01-6 Trichloroethene	Ū
124-48-1 Dibromochloromethane 10	<del>ŭ</del>
79-00-5	<del>ŭ</del>
71-43-2 Benzene 10	υ
10061-02-6   trans-1,3-Dichloropropene	<del>Ŭ</del>
75-25-2 Bromoform 10	<del>ŭ  </del>
108-10-1	ŬΗ
591-78-6 2-Hexanone 10	ŪΠ
127-18-4   Tetrachloroethene   10	Ŭ
79-34-5 1,1,2,2-Tetrachloroethane 10	<del>Ŭ</del>
108-88-3 Toluene 10	Ŭ
108-90-7 Chlorobenzene 10	<del>U</del> II
100-41-4 Ethylbenzene 10	Ŭ
100-42-5 Styrene 10	Ŭ
1330-20-7 Xylene (total) 10	Ŭ



### SAMPLE DATA SUMMARY PACKAGE

CLIENT:

FANNING PHILLIPS & MOLNAR

PROJECT ID:

CARDWELL CONDENSER

P.O.

370-94-02

SDG #:

A0116

STL ID:

7000-0116A

## SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Tolerando Ver	godornický stalenícký hladinícký samonnom metod krodomickou neproducti spojaný veži 40 v 40 bil spolický	PORTION AND A CLASSIC STOCK AND ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	Analytical Requirements					
Property.	Customer	Laboratory	a nazamenten o mentiliki terkirkan manamenten menyenganyan yang menyenya keraja	gira (alt annoliminare reseaute application (e. representation (e. representation)	WisarActical E	edni kemeute		
	Sample	Sample	#VOA	*BNA	•voa	*Pest	*Metals	*Other
Debet	Code	Code	GC/MS	GC/MS	GC	P⊂Be	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-ocner
org orthonous	TUTO CONTENTION OF THE CONTENT OF TH		Method #	Method #	Method #	Method #		
		and an exercise in Control and A Element was under a 25th a final set of a final and a fin	23 x x x x x x x x x x x x x x x x x x x	and an analysis of the second	a general de la communicación de la companya de la	THE STANDARD CONTRACTOR OF THE STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD	Committee of the Commit	A CONTRACTOR OF THE PROPERTY O
03/4/20	LP-1	0001162-01	X	On the State of th			X	
-dependent	LP-1	000116A-01D		THE	Community to 1 111 C 1222 MT NET MANNE COMMON TO BE AND	THE METHOD SECTOR CLASS SECTOR SECTOR STREET, AND AND ADDRESS SECTOR SEC	X	and developed the control programs, a programs, and the control control programs, and a program of the control programs, and a program of the control programs, and a programs
- Annahamana	LP-1	000116A-01MS	XX	industrial and processors of the state of th	De Colo <b>Colo</b> 14 Colo de la Colo Colo Colo Colo Colo Colo Colo C	economic and account of the control		11.5×19.64×19.10.000 (11.000 (
doubled	LP-1	000116A-01KSB	X				A STEEL S	
eliko ekondili	LP - 1	000116A-01MSD	<b>X</b>	**************************************	grammings ( American de Santon ( Santon	T-MAN-POST-LANE STATES CONTESSED STATES CONTESSED AND CONTESSED STATES C	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	MEN MEN MAN THE STATE OF THE ST
Aleeda	LP-1	000116A-01S			$\phi_{0}$ and $\phi_{0}$ and $\phi_{0}$ and $\phi_{0}$ are the second constraints of $\phi_{0}$ and $\phi_{0}$ and $\phi_{0}$	n ngina (na hipangan da na na hipangan da na na hipangan da na	To the second or the second of	
politoriologicantile	LP-150	000116A-02	X		Name to Committee of the Committee of th	- Marian Barra Marian Barra Marian Barra Marian	X	
(Ad)	LP - 15	000116A-03	X	iniska katologiski in Haddishiya fask umpaktola veziskiza ina sanskada saba iyu ma'l	**************************************	anganis Manyanisan (c.) u de Cazan, del assençe e Representançans (vinió Million)	X	NEWS AND PERSONAL Transfer to the Control of
dyledore dodd owy dress	LP-3	000116A-04	X		ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	TO SOURCE OF COMPANY OF THE PROPERTY OF THE PR	X	
Ţ	EB - 5	000116A-05	X	THE STATE OF THE S	American de marcon montre estado de charles de debas de prime a recenta de contre de la companya de la company	the distribute have a make eyel a symmetry egy egy egy egy egy egy diddig egy egy	X	Yarrinering weignessession to the state of the summanance and
of Livery and Challeng I.	TB - 5	000116A-06	y makamana a kapanak pakana Aramana ilikal dalaman kalandar dalama dalaman X	SSECONDARGE AND	THE SECURITY OF THE PERSON PROPERTY CONTRACTOR OF THE SECURITY	n-man star-manner (m.) 1940 och Mosel det 2020 ble Abennehmen 34 (s.)	The Artifician State of the Control	
				A Participant Annual Annua		7. may 1.		
						hande		
				, market in the second				
					The state of the s			
					And the second s			
Ĺ	Сомматический применения и селения у сили поменения поменения поменения (Межен) в Межен (Межен) в Межен (Межен	THE THE PROPERTY AND THE		CONTRACTOR		**************************************	microscoppe (habita vidalia hiir kationing svenenskara papari	

## SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

er ann an teannagas people de martiere se	in Karlender (1904) in der Steiner (1904) in der Steiner (1904) in der Steiner (1904) in der Steiner (1904) in	CONTRACTOR OF THE CONTRACTOR O	Albert College Spring agencia and contract and an analysis are an accountant and an accountant and accountant accountant and accountant accountant accountant and accountant accountant and accountant accountant accountant accountant accountant accountant accountant accountant accountant acco	у финанский на применения и решей объему применения об 17 дей и применения по применения и применения и применения применения и примен	A CONTRACTOR OF THE PROPERTY O
Laboratory Sample ID	Matrix	Date Collected	Date Redid at Lab	Date Extracted	Date Analysed
000116A-01	SOIL	01/19/00	01/20/00	MA	0125/00
0001168-02	SOIL	01/19/00	01/20/00		012600
000116A-03	SOIL	01/19/00	01/20/00		
000116A-04	SOIL	01/19/00	01/20/00		
000116A-05	WATER	01/19/00	01/20/00		0125/00
0003.16A-06	NATER	01/19/00	01/20/00	V	
		:			
	r <sub>econstant</sub>				
		į			
		i	:		
:					

### SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Annual Angula Antonia Annual Angula and Angu	ontal konsequent ja Malatanaga, kengaja pamanan nerekengajan, denganan mengenyeken kenda terasamanan Aria	an Thans and shippy and cleaning from the second for a page operated by a gas a second by a gap page and the form the first and the form a second by a clean and the form a second by a gap and the form the form a second by a gap and the form a gap and the gap	this index of the control of the con	A COMPANY OF THE PROPERTY OF T
Laboratory			Date Rec'd	Date
Sample ID	Matrix	Metals Requested	at Lab	Analyzed
ALTO VIEW TELEVISION AND STATE AND	ATTER TO STORY, THE MEAN THE STORY OF THE ST		ecusion segment primario primario primario primario proprimario primario primario primario primario primario p	Magazine of the change in the fact that the change of the profit of the place of th
		10.000	01/20/00	1/27/00
000116A-01	SOIL	AS-ECLP4.0	01/20/90	The state of the s
0001164-01	son	CR-HCLP4.0	01/20/00	
Providence (Age to be 120 to be because only the boundary of t	The second secon	And the second s	MODERNIA N. C.	
000116A-01	SOIL	CU-NCLP4.0	01/20/00	
000116A-01	sort	MET-BCLP4.0-MISC	01/20/00	
A A A T I DW - A T	and a transfer of the second s	ACTION OF THE CONTRACT OF THE	and an artifacture of the second	and an analysis of the second of the second sections and the second section with the second second second second
0001164-01	sort	FB-HCLP4.0	01/20/00	
000116A-01	SOIL	ZH-HCLP4.0	01/20/00	an distribution of the section of th
0001164-02	soil	AS-RCLP4.0	01/20/00	
	man in Lugariyan gariya (ila gariya mana kara kara kara kara kara kara kara k	And the contract of the contra	THE RESERVE OF THE PROPERTY OF	44 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -
000116A-02	soil	CR-HCLP4.0	01/20/00	
7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			( /	
000116A-02	SOIL	CU-NCLP4.0	01/20/00	and the state of t
000116A-02	sort	MET-HCLP4.0-MISC	01/20/00	
E Company of the Comp	in-nover не уроди (Повот упис (ПС) (Монивания по продець до Монивория и по пред в ПСС (ПС) (Монивория и по пре	AND INTERNAL TO SERVICE PROPERTY OF THE PROPER	adia Peringgang gang ang ang gapapang meninari da da Pering Sa Sa Agamangan Sabadang paga menandadi bada Agaman da Seberaria	and the state of t
000116A-02	SOIL	PB-WCLP4.0	01/20/00	
Control of the Contro			4.7.4.7.4	
000216A-02	SOIL	ZR-HCLP4.0	01/20/00	The state of the s
000116A-03	sort	AS-HCLP4.0	01/20/00	
	AND THE RESIDENCE AND ASSESSMENT OF THE PROPERTY OF THE PROPER	The control of the co		Committee to the Committee of the Commit
000116A-03	SOIL	CR - NCLP4 . 0	01/20/00	
000116A-03	SOIL	CU-RCLP4.0	01/20/00	
UVVIII CA-US	2014			
000116A-03	SOIL	MET-HCLP4.0-MISC	01/20/00	
The state of the s	The state of the s		400	AND THE PARTY OF T
000116A-03	SOIL	FB-FCLP4.0	01/20/00	The state of the second state of the second
000116A-03	SOIL	ZR-WCLP4.0	01/20/00	
may was the state of the state	The second secon		AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
000116A-04	soil	AS-NCLP4.0	01/20/00	
***				
000116A-04	SOIL	CR-NCLP4.0	01/20/00	
0001161-04	sorL	CU-NCLP4.0	01/20/00	4
CONTRACTOR SECURITY CONTRACTOR SECURITY CONTRACTOR CONT	The second of the little of the second physical physical second s	en e	Market Market Market Market Andreas Strategy and Andreas Strategy (Andreas Strategy) Comments of the Strategy	Annual (N.) Selectory and the William of Manager under the property of the property of the selection of the

### SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Ketals Requested	Date Rec'd at Lab	Date Analyzed
0001163-04	SOIL	MRT-WLP4.0-MISC	01/20/00	1/27/00
000116A-04	SOTL Ing (orang angular little mellahangkapung apang 110 Millell Millell Millell Angular Ingang 1	PB - BCLP4 . 0	01/20/00	
000116A-04	soil	ZN-9CLP4.0	01/20/00	4
0001163-05	WATER	AS-BCLP4.0	01/20/00	1/2/100
000116A-05	WATER	CR-ACLP4.0	01/20/00	1
0001164-05	MATER	CT-HCLP4.0	01/20/00	:
000116A-05	KATER	MET-HCLP4.0-MISC	01/20/00	PROTECTION CREATION AND AND AND AND AND AND AND AND AND AN
000116A-05	WATER	PB-NCLP4.0	01/20/00	And the Control of th
000116A-05	WATER	ZN-NCLP4.0	01/20/00	
				2



### 7000-0116A FANNING PHILLIPS & MOLNAR

### Case Narrative

Sample Receipt – All samples were received in good condition and at proper temperature.

Metals – ICAP metals were determined by ICP using a TJA61E trace ICAP following the USEPA CLP 4.0 SOW.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 5030B/8260B. The instrumentation used was a Tekmar Model 2000/2016 Concentrator interfaced with a Hewlett Packard Model 5970A/5971A GC/MS/DS.

Sample Calculation:

Sample ID –LP-15 Compound –Tetrachloroethene

(2637627)(250) = 76.43 = 76 UG/KG. (3403175)(.650)(5)(.78)

Sample LP-1 was analyzed as a medium level soil due to high target compound concentrations.

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Jeffrey C. Curran

Laboratory Manager

Date

### NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

				LP-1
Lab 1	Name:	STL/CT	Contract:	AND CONTRACTOR OF THE STATE OF

Lab Code: IEACT Case No.: 0116A SAS No.: \_\_\_\_ SDG No.: A0116

Matrix: (soil/water)SOIL Lab Sample ID: 000116A-01

Sample wt/vol: 4 (g/mL)G Lab File ID: >07763

Date Received: 01/20/00 Level: (low/med) MED

% Moisture: not dec. 13 Date Analyzed: 01/25/00

Dilution Factor: 1.0 GC Column: 007-624 ID: 0.53 (mm)

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 ul

CONCENTRATION INTTS.

		CONCENTIALION ONLINE.
CAS NO.	COMPOUND	(ug/L or ug/Kg)UG/KG (

The said the said of the said		ACCORDING TO THE PROPERTY OF T	Pada manana yang gaggang Milantan antang manyaga ng gaganinan ana
74-87-3	Chloromethane	1400	U
74-83-9	Bromomethane	1400	Ū
75-01-4	Vinyl Chloride	1400	U
75-00-3	Chloroethane	1400	U
75-09-2	Methylene Chloride	1400	
67-64-1	Acetone	610	J
75-15-0	Carbon Disulfide	1400	U
75-35-4	1,1-Dichloroethene	1400	Ū
75-34-3	1,1-Dichloroethane	1400	Ü
540-59-0	1,2-Dichloroethene (total)	1400	Ū
67-66-3	Chloroform	1400	Ū,
107-06-2	1,2-Dichloroethane	1400	Ū
78-93-3	2-Butanone	2500	
71-55-6	1,1,1-Trichloroethane	1400	J
56-23-5	Carbon Tetrachloride	1400	Ū
75-27-4	Bromodichloromethane	1400	Ū
78-87-5	1,2-Dichloropropane	1400	Ū
10061-01-5	cis-1,3-Dichloropropene	1400	Ü
79-01-6	Trichloroethene	1400	IJ
124-48-1	Dibromochloromethane	1400	Ū
79-00-5	1,1,2-Trichloroethane	1400	Ū .
71-43-2	Benzene	1400	Ū
10061-02-6	trans-1,3-Dichloropropene	1400	IJ
75-25-2	Bromoform	1400	Ū
108-10-1	4-Methyl-2-Pentanone	1400	Ü
591-78-6	2-Hexanone	1400	Ū
127-18-4	Tetrachloroethene	3500	
79-34-5	1,1,2,2-Tetrachloroethane	1400	U
108-88-3	Toluene	1400	Ū
108-90-7	Chlorobenzene	1400	Ū
100-41-4	Ethylbenzene	1400	Ū
100-42-5	Styrene	1400	Ū
1330-20-7	Xylene (total)	1400	U

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

	LP-150
Contract:	

Lab Name: STL/CT

Matrix: (soil/water) SOIL

Lab Sample ID: 000116A-02

Sample wt/vol: 5 (g/mL)G

Lab File ID: >K8908

Level: (low/med) LOW

Date Received: 01/20/00

% Moisture: not dec. 15

Date Analyzed: 01/26/00

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_(uL)

Soil Aliquot Volume: \_\_\_\_(ul)

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/KG

74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	Ū
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	17	В
75-15-0	Carbon Disulfide	12	Ū
75-35-4	1,1-Dichloroethene	12	Ū
75-34-3	1,1-Dichloroethane	12	Ū
540-59-0	1,2-Dichloroethene (total)	2	Ū
67-66-3	Chloroform	12	Ū
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	3	Ū
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	Ū
10061-01-5	cis-1,3-Dichloropropene	12	Ü
79-01-6	Trichloroethene	. 9	J
124-48-1	Dibromochloromethane	12	Ü
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	.4	J
10061-02-6	trans-1,3-Dichloropropene	12	Ū
75-25-2	Bromoform	12	Ü
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	Ū
127-18-4	Tetrachloroethene	16	
79-34-5	1,1,2,2-Tetrachloroethane	12	Ū
108-88-3	Toluene	. 4	Ĵ
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	Ü
1330-20-7	Xylene (total)	12	Ū

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LP-15	2		
-------	---	--	--

Lab Name:	: STL/	CT
-----------	--------	----

Contract: \_\_\_\_

Lab Code: IEACT Case No.: 0116A SAS No.: SDG No.: A0116

Matrix: (soil/water) SOIL

Lab Sample ID: 000116A-03

Sample wt/vol: 5 (g/mL)G

Lab File ID: >K8909

Date Received: 01/20/00

Level: (low/med) LOW

% Moisture: not dec. 22

Date Analyzed: 01/26/00

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_(uL)

Soil Aliquot Volume: \_\_\_(uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L	or	ug/Kg)UG	/ KG	Q
District and produced in the program of the control		ermente fan skrigerijk yn en de men'n en de			Photos 2004 (State Salvet Salv	
4-87-3	Chloromethane				13	U

74-87-3	Chloromethane	13	Ŭ
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	Ū
75-00-3	Chloroethane	13	Ū
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	6	JB
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	Ū
75-34-3	1,1-Dichloroethane	13	Ū
540-59-0	1,2-Dichloroethene (total)	14	
67-66-3	Chloroform	13	Ū
107-06-2	1,2-Dichloroethane	13	Ū
78-93-3	2-Butanone	3	J
71-55-6	1,1,1-Trichloroethane	13	Ū
56-23-5	Carbon Tetrachloride	13	Ū
75-27-4	Bromodichloromethane	13	Ū
78-87-5	1,2-Dichloropropane	1.3	Ū
10061-01-5	cis-1,3-Dichloropropene	13	Ū
79-01-6	Trichloroethene	4	Ĵ
124-48-1	Dibromochloromethane	13	Ū
79-00-5	1,1,2-Trichloroethane	13	Ū
71-43-2	Benzene	. 5	J
10061-02-6	trans-1,3-Dichloropropene	13	Ū
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	76	
79-34-5	1,1,2,2-Tetrachloroethane	13	Ū
108-88-3	Toluene	. 4	J
108-90-7	Chlorobenzene	13	Ū
100-41-4	Ethylbenzene	1.3	Ū
100-42-5	Styrene	13	Ū
1330-20-7	Xylene (total)	, 3	J

1A NYSDEC SAMPLE NO.

LP-3

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT			Contract:		المعارض المعارض والمعارض والمع
Lab Code: IEACT	Case No	o.: 0116A	SAS No.:	SDG No	.: A0116
Matrix: (soil/water	)SOIL		Lab	Sample ID:	000116A-04
Sample wt/vol:	5	(g/mL)G	Lab	File ID:	>K8910

Level: (low/med) LOW Date Received: 01/20/00

% Moisture: not dec. 17 Date Analyzed: 01/26/00

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg)UG/KG Q

DAM Wellinder was angued the country of the second second section of the second			
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	Ü
75-01-4	Vinyl Chloride	12	Ū
75-00-3	Chloroethane	12	Ū
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	12	Ū
75-15-0	Carbon Disulfide	12	Ū
75-35-4	1,1-Dichloroethene	12	Ū
75-34-3	1,1-Dichloroethane	12	Ū
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	Ū
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	Ü
71-55-6	1,1,1-Trichloroethane	12	Ū
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	Ū
78-87-5	1,2-Dichloropropane	12	Ū
10061-01-5	cis-1,3-Dichloropropene	12	Ū
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	Ü
71-43-2	Benzene	. 2	J
10061-02-6	trans-1,3-Dichloropropene	12	Ū
75-25-2	Bromoform	12	Ū
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	Ū
127-18-4	Tetrachloroethene	4	J
79-34-5	1,1,2,2-Tetrachloroethane	12	Ū
108-88-3	Toluene	.5	J
108-90-7	Chlorobenzene	12	Ū
100-41-4	Ethylbenzene	12	Ū
100-42-5	Styrene	12	Ū
1330-20-7	Xylene (total)	12	Ū

1A NYSDEC SAMPLE NO.

EB-5

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL/CT			Contract	*		MOTOR CO. THE CAMPAINT OF THE CONTRACT OF THE
Lab Code:	IEACT	Case No	o.: 0116A	SAS No.	*	SDG No	.: A0116
Matrix: (s	soil/water)	WATER			Lab Sam	mple ID:	000116A-05
Sample wt/	vol:	5	(g/mL)ML		Lab Fil	e ID:	>07761
Level: (	low/med)	LOW			Date Re	ceived:	01/20/00

% Moisture: not dec. \_\_\_\_ Date Analyzed: 01/25/00 GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:

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

THE OWNER WHEN THE PARTY OF THE			ATT - TOWN FOR CASE OF STREET HOME IN COM-
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	Ū
75-01-4	Vinyl Chloride	10	Ū
75-00-3	Chloroethane	10	<del>U</del>
75-09-2	Methylene Chloride	10	$-\overline{\overline{\upsilon}}$
67-64-1	Acetone	101	<u>U</u>
75-15-0	Carbon Disulfide	10	Ü
75-35-4	1,1-Dichloroethene	10	Ü
75-34-3	1,1-Dichloroethane	10	Ü
540-59-0	1,2-Dichloroethene (total)	10	<del></del>
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	Ū
78-93-3	2-Butanone	10	<u>U</u>
71-55-6	1,1,1-Trichloroethane	10	Ū
56-23-5	Carbon Tetrachloride	1.0	Ū
75-27-4	Bromodichloromethane	10	Ū
78-87-5	1,2-Dichloropropane	10	Ū
10061-01-5	cis-1,3-Dichloropropene	10	Ū
79-01-6	Trichloroethene	10	<del>- U</del>
124-48-1	Dibromochloromethane	10	<del>- U</del>
79-00-5	1,1,2-Trichloroethane	10	Ū
71-43-2	Benzene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	Ū
75-25-2	Bromoform	10	<del>- ŭ</del>
108-10-1	4-Methyl-2-Pentanone	10	<del>U</del>
591-78-6	2-Hexanone	10	Ū
127-18-4	Tetrachloroethene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
108-88-3	Toluene	10	Ū
108-90-7	Chlorobenzene	10	Ū
100-41-4	Ethylbenzene	10	Ū
100-42-5	Styrene	10	Ū
1330-20-7	Xylene (total)	10	U U

### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET NYSDEC SAMPLE NO.

Lab Name: STL/CT	Contract	:	TB-5
Lab Code: IEACT Case No.:	0116A SAS No.	: SDG No	o.: A0116
Matrix: (soil/water)WATER		Lab Sample ID	: 000116A-06
Sample wt/vol: 5 (g.	/mL)ML .	Lab File ID:	>07762
Level: (low/med) LOW		Date Received	: 01/20/00
% Moisture: not dec.		Date Analyzed	: 01/25/00
GC Column: 007-624 ID: 0.53	(mm)	Dilution Facto	or: 1.0
Soil Extract Volume: (1	17.)	Soil Alimot V	Jolume:

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/L

CHARLES AND ASSESSMENT OF THE PROPERTY OF THE	**************************************		
74-87-3	Chloromethane	1.0	IJ
74-83-9	Bromomethane	10	Ŭ
75-01-4	Vinyl Chloride	10	Ü
75-00-3	Chloroethane	10	l ŭ -
75-09-2	Methylene Chloride	10	Ŭ
67-64-1	Acetone	10	<del>-</del> <del>u</del> -
75-15-0	Carbon Disulfide	10	Ü
75-35-4	1,1-Dichloroethene	10	Ū
75-34-3	1,1-Dichlorcethane	10	Ū
540-59-0	1,2-Dichloroethene (total)	10	Ŭ
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	J i
78-93-3	2-Butanone	10	J
71-55-6	1,1,1-Trichloroethane	10	U U
56-23-5	Carbon Tetrachloride	10	<del>U</del>
75-27-4	Bromodichloromethane	10	<del>- </del> <del>0</del> -
78-87-5	1,2-Dichloropropane	10	U -
10061-01-5	cis-1,3-Dichloropropene	10	j
79-01-6	Trichloroethene	10	<del>- j</del> -
124-48-1	Dibromochloromethane	10	Ü
79-00-5	1,1,2-Trichloroethane	10	Ŭ
71-43-2	Benzene	1	J
10061-02-6	trans-1,3-Dichloropropene	10	<u>_</u>
75-25-2	Bromoform	10	<del>- j</del> -
108-10-1	4-Methyl-2-Pentanone	10	Ŭ
591-78-6	2-Hexanone	10	<del>- </del>
127-18-4	Tetrachloroethene	10	<u>j</u>
79-34-5	1,1,2,2-Tetrachloroethane	10	<u> </u>
108-88-3	Toluene	10	<u>U</u>
108-90-7	Chlorobenzene	10	<del>ŭ</del> ¦
100-41-4	Ethylbenzene	10	<del>- Ŭ</del>
100-42-5	Styrene	10	<u>U</u>
1330-20-7	Xylene (total)	10	Ŭ

## 2A WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab	Name:	STL/CT			Contract	6 Barbara Colonia Colo	
Lab	Code:	IEACT	Case No.:	0116A	SAS No.	: SDG No.:	A0116

	NYSDEC SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT
01	VBLKOL	102	98	106		0
02	LP-1MSB	102	100	113		0
3	020ppb QCS	106	103	108		0
)4	VBLKON	99	97	99		0
)5	EB-5	103	101	104		0
)6	TB-5	106	103	95		0
7						
8						
9						
0						
1						
.2						
.3						
5						
5						
7						
8						
9						
0						
1						
2						
3						
4						
5						
6						
7						
8						
9			1			
0						
O F				<u> </u>		

SMC1 (TOL) = Toluene-d8 (38-110) SMC2 (BFB) = Bromofluorobenzene (36-115) SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

- # Column to be used to flag recovery values
- \* Values outside of contract required QC limits

page <u>1</u> of <u>1</u>

FORM II-CLP-VOA-1

10/95

### SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Contract: Lab Name: STL/CT

Lab Code: IEACT Case No.: 0116A SAS No.: \_\_\_\_ SDG No.: A0116

Level: (low/med) LOW

NYSDEC SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT
)1 VBLKKE	98	100	93		0
)2 LP-150	100	96	84		0
)3 LP-15	100	100	98		0
)4 LP-3	110	91	91		0
)5					
)6					
)7					
)8					
9					
_0					
1					
2					
3					
4					
6					
7					
8		***************************************			
9					
20					
21					
22	THE PERSON OF TH				
23					
24					
25					
26					
2.7					
28					
29					
30					

SMC1 (TOL) = Toluene-d8 (RMC2 (RFP) - P-- C) SMC1 (TOL) = Toluene-d8 (84-138) SMC2 (BFB) = Bromofluorobenzene (59-113) SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

- # Column to be used to flag recovery values
- \* Values outside of contract required QC limits

page <u>1</u> of <u>1</u>

FORM II-CLP-VOA-2

10/95

#### 2B SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Contract: Lab Name: STL/CT

Lab Code: IEACT Case No.: 0116A SAS No.: \_\_\_\_ SDG No.: A0116

Level: (low/med) MED

	NYSDEC SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT
	SAMPLE NO.	(100)#	(Brb)#	(DCE)#		001
	VBLKOO	98	95	98		0
2	LP-1	105	106	100		0
3	LP-1MS	99	100	96		0
4	LP-1MSD	100	103	104		0
5						
6						ļ
7						ļ
9						
0					~	ļ
1						
2						
3						<del> </del>
4						
5						
6						
7						1
8						<b>†</b>
9						
0						
1					***************************************	
2						
3						
4						-
5						
6						
7 [			-			
8						
9						
0 [						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (84-138)

SMC2 (BFB) = Bromofluorobenzene (59-113)

SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

page <u>1</u> of <u>1</u>

FORM II-CLP-VOA-2

#### 3B SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL/CT Contract: \_\_\_\_\_\_

Lab Code: IEACT Case No.: 0116A SAS No.: \_\_\_\_ SDG No.: A0116

Matrix Spike - NYSDEC Sample No.: LP-1 Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	ÇC. LIMITS REC.
1,1-Dichloroethene	7200	)	7600	106	59-172
Trichloroethene	7200	)	6500	90	62-137
Benzene	7200	)	7600	106	66-142
Toluene	7200	0	6600	92	59-139
Chlorobenzene	7200	0	6600	92	60-133

	SPIKE ADDED	MSD CONCENTRATION		0,0	~-	IMITS
COMPOUND	(ug/Kg)	(ug/Kg,	REC #	RPD #	RPD	REC.
1,1-Dichloroethene	7200	7600 (	106	0	22	59-172
Trichloroethene	7200	6200	86	4	24	62-137
Benzene	7200	8100	112	6	21	66-142
Toluene	7200	6600	92	0	21	59-139
Chlorobenzene	7200	6700	93	1	21	60-133;

- # Column to be used to flag recovery and RPD values with an asterisk
- \* Values outside of QC limits.

RPD: 0						limits	
Spike	Recovery	: <u>)                                    </u>	 out	of	10	outside	limits

COMMENTS:	

10/95

### 3-ASP VOLATILE MATRIX SPIKE BLANK RECOVERY SUMMARY

Lab 1	Name:	STL/CT			Contr	ract:	Ettler		***	
Lab (	Code:	IEACT	Case No.:	0116A	SAS	No.:		SDG	No.:	A0116
Matri	ix Spi	ke - NYSDE	EC Sample 1	No.: <u>LP-</u>	1					

COMPOUND	SPIKE ADDED (ug/L)	1 0.2.2.2.2	SPIKE CONCENTRATION (ug/L)	SPIKE % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	51	102	61-145
Trichloroethene	50	0	40	80	71-120
Benzene	50	Ō	52	104	76-127
Toluene	50	0	48	96	76-125
Chlorobenzene	50	0	46	92	75-130

#	Column	to	be	used	to	flag	recovery	with	an	asterisk
---	--------	----	----	------	----	------	----------	------	----	----------

\* Values outside of QC limits.

Spike	Recov	very: <u>0</u>	out	of	5	outside	limits
COMMEN	NTS:	AND THE RESIDENCE OF THE PARTY			**************************************		
			T		***************************************		

FORM III-CLP-VOA-1

10/95

### QCS Spike Summary

Spike: 07749.D

Spike: 07749.D	11				
a 1	Spike	Spike		•	** 1 1
Compound	Amount	Result	<u>Rec</u>	Low	<u> High</u>
Chloromethane	20	18	90	32	156
Bromomethane	20	14	70	66	121
Vinyl Chloride	20	16	80	63	121
Chloroethane	20	15	75*	78	119
Methylene Chloride	20	18	90	83	114
Acetone	20	13	65	29	156
Carbon Disulfide	20	12	60*	78	119
Vinyl Acetate	20	0	0*	16	
1,1-Dichloroethene	20	18	90	±6 78	144 122
1,1-Dichloroethane	20	20	100		
1,2-Dichloroethene (total)	40	34	85	80	119 114
Chloroform	20	18	90	84	
1,2-Dichloroethane	20	18	90	83.	114 123
	20			80 5.5	
2-Butanone 1,1,1-Trichloroethane	20	16 20	80 100	55 72	146
Carbon Tetrachloride	20	20		72 7 <b>7</b>	128
Bromodichloromethane	20		100 95		127
	20	19		81	118
1,2-Dichloropropane	20	19 19	95 95	77	125
cis-1,3-Dichloropropene Trichloroethene	20	15	95 75*	74	111
Dibromochloromethane	20	19	95	82	114
	20	19	95 95	81 74	121
1,1,2-Trichloroethane	20	23	115	78	126
Benzene trans-1,3-Dichloropropene	20	20	100	76 80	120
Bromoform	20	18	90	68	128 134
4-Methyl-2-Pentanone	20	16	80	58	134
2-Hexanone	20	14	70	47	150
Tetrachloroethene	20	16	80	78	118
Toluene	20	17	85	70	140
1,1,2,2-Tetrachloroethane	20	17	85	76	118
Chlorobenzene	20	17	85	77	118
Ethylbenzene	20	17	85	82	113
Styrene	20	17	85	02 77	113
Xylene (total)	60	52	87	77	120
Waterie (cocat)	0 0	52	0 /	/ /	120

#### 4A VOLATILE METHOD BLANK SUMMARY

NYSDEC SAMPLE NO.

	-
VBLKKE	

				ARPKKE
Lab	Name:	STL/CT	Contract:	THE STATE OF THE POST OF THE P

Lab File ID: >K8907 . Lab Sample ID: VBLKKE

Date Analyzed: 01/26/00 Time Analyzed: 1925

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5970K

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

NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
LP-150	000116A-02	>K8908	2009
LP-15	000116A-03		2042
	000116A-04	>K8910	2116
MARKET PROPERTY OF THE PROPERT			
**************************************			
			İ
***************************************			
	\$		
	Transition of the state of the		
	SAMPLE NO. LP-150 LP-15 LP-3	SAMPLE NO.     SAMPLE ID       LP-150     000116A-02       LP-15     000116A-03       LP-3     000116A-04	SAMPLE NO.     SAMPLE ID     FILE ID       LP-150     000116A-02     >K8908       LP-15     000116A-03     >K8909       LP-3     000116A-04     >K8910

COMMENTS:	

1A NYSDEC SAMPLE NO.

Soil Aliquot Volume: \_\_\_(uL)

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT	Contract: VBLKKE
Lab Code: IEACT Case No.: 0116A	SAS No.: SDG No.: A0116
Matrix: (soil/water)SOIL	Lab Sample ID: VBLKKE
Sample wt/vol: 5 (g/mL)G	Lab File ID: >K8907
Level: (low/med) LOW	Date Received:
% Moisture: not dec. 0	Date Analyzed: 01/26/00
GC Column: 007-624 ID: 0.53 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/KG Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	Ū
75-01-4	Vinyl Chloride	10	Ū
75-00-3	Chloroethane	10	Ū
75-09-2	Methylene Chloride	10	Ü
67-64-1	Acetone	4	Ĵ
75-15-0	Carbon Disulfide	10	Ū
75-35-4	1,1-Dichloroethene	10	Ü
75-34-3	1,1-Dichloroethane	10	Ū
540-59-0	1,2-Dichloroethene (total)	10	<del>- ŭ -</del>
67-66-3	Chloroform	10	<u>Ŭ</u>
107-06-2	1,2-Dichloroethane	10	TJ
78-93-3	2-Butanone	io	Ŭ
71-55-6	1,1,1-Trichloroethane	10	Ü
56-23-5	Carbon Tetrachloride	10	Ū
75-27-4	Bromodichloromethane	ic	Ŭ
78-87-5	1,2-Dichloropropane	10	
10061-01-5	cis-1,3-Dichloropropene	10	<del>ŭ</del> l
79-01-6	Trichloroethene	10	Ū
124-48-1	Dibromochloromethane	10	Ū
79-00-5	1,1,2-Trichloroethane	10	Ü
71-43-2	Benzene	10	Ū
10061-02-6	trans-1,3-Dichloropropene	10	Ū
75-25-2	Bromoform	10	Ū
108-10-1	4-Methyl-2-Pentanone	10	Ū
591-78-6	2-Hexanone	10	Ū
127-18-4	Tetrachloroethene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	Ū
108-88-3	Toluene	10	Ü
108-90-7	Chlorobenzene	10	<del>- ŭ</del> -l
100-41-4	Ethylbenzene	1.2	—ŭ ⊢l
100-42-5	Styrene	10	Ū
1330-20-7	Xylene (total)	10	<del>Ū</del> [

#### 4A VOLATILE METHOD BLANK SUMMARY

and the state of t	in-historialista emandid in Cietari (n. 1744)
VBLKOL	

Lab Name: STL/CT Contract:

Lab File ID: >OM7740 Lab Sample ID: VBLKOL

Date Analyzed: 01/24/00 Time Analyzed: 2137

Instrument ID: HP59710

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LP-1MSB	000116A-01MSB	>07748	0302
02 03	020ppb QCS	020ppb QCS	>07749	0337
04 05				
06 07				
08				
09 10				
11 12				
13				
14 15				
16 17		,		
18 19				
20				
21 22				
23 24				
25 26				
27				
28 29			1	
30				
Į.				L

COMMENTS:	
-----------	--

1A NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL/CT	(	Contract:	VBLKOL
Lab Code: IEACT Cas	se No.: 0116A	SAS No.: SDG	No.: A0116
Matrix: (soil/water)WAT	TER	Lab Sample 1	D: VBLKOL
Sample wt/vol: 5	(g/mL)ML	Lab File ID:	>OM7740
Level: (low/med) LOW	W	Date Receive	ed:
% Moisture: not dec.		Date Analyze	ed: 01/24/00
GC Column: 007-624 ID	D: 0.53 (mm)	Dilution Fac	etor: 1.0
Soil Extract Volume:	(uL)	Soil Aliquot	Volume:(uL)

CAS NO. COMPOUND

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

Q

Charles and Charle			
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	Ū
75-00-3	Chloroethane	10	Ū
75-09-2	Methylene Chloride	10	Ū
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	10	Ū
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	Ū
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	Ū
107-06-2	1,2-Dichloroethane	10	Ū
78-93-3	2-Butanone	4	J
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	Ū
79-01-6	Trichloroethene	10	Ū
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	Ū
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	Ū
108-90-7	Chlorobenzene	10	Ū
100-41-4	Ethylbenzene	10	Ū
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	Ü

#### 4A VOLATILE METHOD BLANK SUMMARY

NYSDEC SAMPLE NO.

VBLKON
Y D D I N O I N

Lab	Name:	STL/CT				Cont	ract:	-		_	
Lab	Code:	IEACT	Case	No.:	0116A	SAS	No.:	and the state of t	SDG	No.:	A0116
Lab	File 1	ID:	>OM7759	€			Lab	Sample	ID:	VBLK	N

Date Analyzed: 01/25/00 Time Analyzed: 1607

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP59710

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
02	EB-5 TB-5	000116A-05 000116A-06	>07761 >07762	1717 1752
03 04 05				
06 07				
08 09 10				
11 12 13				
14 15				
16 17 18				
19 20 21				
22				
24 25 26				
27 28				
29 30				

COMMENTS:	

1A VOLATILE ORGANICS ANALYSIS DATA SHEET NYSDEC SAMPLE NO.

Lab Name: STL/CT		Contract:	VBLKON
Lab Code: IEACT	Case No.: 0116A	SAS No.: SDG No	.: A0116
Matrix: (soil/water)	) WATER	Lab Sample ID:	VBLKON
Sample wt/vol:	5 (g/mL)ML	Lab File ID:	>OM7759
Level: (low/med)	LOW	Date Received:	
% Moisture: not dec.		Date Analyzed:	01/25/00
GC Column: 007-624	ID: 0.53 (mm)	Dilution Facto	r: 1.0
Soil Extract Volume:	:(uL)	Soil Aliquot V	olume: (uL)

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg)UG/L

		7. M. M. C.	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	Ū
75-01-4	Vinyl Chloride	10	Ü
75-00-3	Chloroethane	10	Ū
75-09-2	Methylene Chloride	10	Ū
67-64-1	Acetone	8	Ĵ
75-15-0	Carbon Disulfide	10	<del>U</del>
75-35-4	1,1-Dichloroethene	10	Ü
75-34-3	1,1-Dichloroethane	10	<del>U</del>
540-59-0	1,2-Dichloroethene (total)	10	<del>U</del>
67-66-3	Chloroform	1 10	— <del>Ŭ</del> —
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	<del>U</del>
75-27-4	Bromodichloromethane	10	<u>U</u>
78-87-5	1,2-Dichloropropane	10	<del>- U</del>
10061-01-5	cis-1,3-Dichloropropene	10	<del>- j</del>
79-01-6	Trichloroethene	10	11
124-48-1	Dibromochloromethane	10	<del>U</del>
79-00-5	1,1,2-Trichloroethane	10	<u>U</u>
71-43-2	Benzene	10	<del>U</del>
10061-02-6	trans-1,3-Dichloropropene	10	<del>-</del>
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	<del>U</del>
591-78-6	2-Hexanone	10	<del>- ŭ</del> - l
127-18-4	Tetrachloroethene	10	<u>Ŭ</u>
79-34-5	1,1,2,2-Tetrachloroethane	10	— Ŭ −
108-88-3	Toluene	10	<del></del>
108-90-7	Chlorobenzene	10	<del>- U</del> -
100-41-4	Ethylbenzene	10	
100-42-5	Styrene	10	<del>- U</del>
1330-20-7	Xylene (total)	10	<u>U</u>
- Constitution of the Cons		<u> </u>	

#### 4A VOLATILE METHOD BLANK SUMMARY

NYSDEC SAMPLE NO.

	1	
TINT IZAA		
VBLKOO	5	

Lab Nam	e: STL/CT	Contract: _	BY COMPANIES AND THE PROPERTY OF THE PROPERTY

Lab Code: IEACT Case No.: 0116A SAS No.: \_\_\_\_ SDG No.: A0116

Lab File ID: >OM7760 Lab Sample ID: VBLKOO

Date Analyzed: 01/25/00 Time Analyzed: 1643

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP59710

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	LP-1 LP-1MS	000116A-01 000116A-01MS	>07763 >07766	1826 2013
	LP-1MSD	000116A-01MSD	>07767	2047
05				
07 08				
09				
11 12				
13				
15 16				
17 18				
19 20				
21 22				
23 24				
25 26				
27 28				
29				
, ,				

COMMENTS:	

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC	SAMPLE	NO.
Ţ		

				VBLKOO
Lab	Name:	STL/CT	Contract:	

Lab Code: IEACT Case No.: 0116A SAS No.: \_\_\_\_ SDG No.: A0116

Matrix: (soil/water)SOIL Lab Sample ID: VBLKOO

Sample wt/vol:  $4 \qquad (g/mL)G$ Lab File ID: >OM7760

Level: (low/med) MED Date Received:

% Moisture: not dec. 0 Date Analyzed: 01/25/00

GC Column: 007-624 ID: 0.53 (mm) Dilution Factor: 1.0

CAS NO. COMPOUND

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

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

		The state of the s	
74-87-3	Chloromethane	1200	Ü
74-83-9	Bromomethane	1200	Ü
75-01-4	Vinyl Chloride	1200	Ū
75-00-3	Chloroethane	1200	Ü
75-09-2	Methylene Chloride	1200	
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	1.7
540-59-0	1,2-Dichloroethene (total)	1200	
67-66-3	Chloroform	1200	
107-06-2	1,2-Dichloroethane	1200	
78-93-3	2-Butanone	1200	<del></del>
71-55-6	1,1,1-Trichloroethane	1200	
56-23-5	Carbon Tetrachloride	1200	
75-27-4	Bromodichloromethane	1200	
78-87-5	1,2-Dichloropropane	1200	
10061-01-5	cis-1,3-Dichloropropene	1200	Ü
79-01-6	Trichloroethene	1200	
124-48-1	Dibromochloromethane	1200	Ū
79-00-5	1,1,2-Trichloroethane	1200	
71-43-2	Benzene	1200	
10061-02-6	trans-1,3-Dichloropropene	1200	······································
75-25-2	Bromoform	1200	<del>-</del>
108-10-1	4-Methyl-2-Pentanone	1200	
591-78-6	2-Hexanone	1200	
127-18-4	Tetrachloroethene	1200	<del>-</del>
79-34-5	1,1,2,2-Tetrachloroethane	1200	
108-88-3	Toluene	1200	
108-90-7	Chlorobenzene	1200	
100-41-4	Ethylbenzene	1200	·
100-42-5	Styrene	1200	<del>- ;</del>
1330-20-7	Xylene (total)	1200	· · · · · · · · · · · · · · · · · · ·

#### 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 0116A SAS No.: \_\_\_\_ SDG No.: A0116

Lab File ID: (Standard): >OM7739 Date Analyzed:01/24/00

Instrument ID: HP59710 Time Analyzed: 2042

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

				ng gay Makalanda Adalahahahahahan garan sa sa sa sa sa sa sa sa sa sa sa sa sa			
		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
		AREA #	VT #	AREA #	1/1 #	ANDA #	KI #
	12 HOUR STD	339705	12.00	1717459	13.29	1308193	18.06
	UPPER LIMIT	679410 169852	12.50 11.50	3434918 858730	13.79 12.79	2616386 654096	18.56 17.56
	DOMEK DIMIT	103035	11.30	030730	12.72	034030	17.36
	YSDEC SAMPLE NO.						
01	VBLKOL	285474	12.00	1463881	13.29	1110773	18.06
02	LP-1MSB	259287	12.02	1295485	13.31	1001755	18.08
03 04	020ppb QCS	253567	12.02	1106299	13.31	960197	18.08
05							
06							
07 08							
09							
10							
11 12							
13							
14							
15 16							
17							
18							
19 20							
21			<u> </u>				
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = -50% of internal standard area RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

#### 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 0116A SAS No.: \_\_\_\_ SDG No.: A0116

Lab File ID: (Standard): >OM7758 Date Analyzed:01/25/00

Instrument ID: HP59710 Time Analyzed:1453

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		7.04 / 7.04		T-00/5001		TO 7 00 00	
		IS1 (BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
		AREA #	K1 #	AKEA #	K1 #	ARDA #	KI #
	12 HOUR STD	263786	12.11	1368153	13.39	1002270	18.16
	UPPER LIMIT	527572	12.61	2736306	13.89	2004540	18.66
	LOWER LIMIT	131893	11.61	684076	12.89	501135	17.66
	YSDEC SAMPLE NO.						
01	VBLKON	228328	12.10	1156293	13.39	818263	18.16
02	VBLK00	225864	12.11	1160121	13.40	818094	18.16
03	EB-5	239742	12.10	1078272	13.39	905300	18.16
04	TB-5	237346	12.11	984273	13.41	876211	18.16
05	LP-1	228624	12.09	950362	13.40	837060	18.16
06 07	LP-1MS	257792 246888	12.09	1095502 1101861	13.39	981174 942819	18.16
08	LP-1MSD	245000	12.09	TINTOPT	13.39	942819	18.16
09							
10				**************************************			
11		***					
12							
13						,	
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane IS2 (DFB) = 1,4-Difluorobenzene IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

#### 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL/CT Contract:

Lab Code: IEACT Case No.: 0116A SAS No.: SDG No.: A0116

Lab File ID: (Standard): >K8906 Date Analyzed:01/26/00

Instrument ID: HP5970K Time Analyzed:1840

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT
12 HOUR STD UPPER LIMIT LOWER LIMIT	1015514 2031028 507757	10.76 11.26 10.26	4141234 8282468 2070617	13.06 13.56 12.56	3525647 7051294 1762824	18.68 19.18 18.18
YSDEC SAMPLE NO.						
VBLKKE LP-150 LP-15 LP-3	976343 1046474 1007385 736159	10.82	3809945 3925888 4014863 3544977	13.08 13.32 13.06 13.34	3363149 3168079 3403175 2782489	18.70 18.77 18.70 18.74

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

#### U.S. BPA - CLP

# THOPGANIC ANALYSES DATA SUBET

Lab Name: STL			INORGANIC A	MALYSES DATA SI	HEET		
Matrix (soil/water): SQIL   Lab Sample ID: 000116A-01	Lab Name: STL			Contract:		POMANIA ROPE FRONCETTANTENAME	LP-1
Matrix (soil/water): SOIL	Lab Code: STL	Case	No.: <u>0116A</u>	SAS No.:	~~~~~~		SDG No.: A0116
Concentration Units (ug/L or mg/kg dry weight): Mg/kg   CAS No.							
Concentration Units (ug/L or mg/kg dry weight): Mg/Kg    CAS No.   Analyte   Concentration   C   Q   M	Level (low/me	d): LOW					
Cas No.   Analyte   Concentration   C   Q   M		Will be a second of the second			£5.1 C., 1	uruli Y tirtok s	
CAS No.   Analyte   Concentration   C   Q   M	& Solids:	80.5	) 				
T429-90-5	Co	( 1 mm 1 mm 1 mm 1 mm 1 mm 1 mm 1 mm 1			T		
T440-36-0   Antimony   NR   T440-38-2   Arsenic   0.75   B   P   T440-39-3   Barium   NR   NR   T440-41-7   Beryllium   NR   NR   T440-41-7   Beryllium   NR   NR   T440-43-9   Cadmium   NR   NR   T440-47-3   Chromium   20.6   P   T440-47-3   Chromium   20.6   P   T440-48-4   Cobalt   NR   T440-50-8   Copper   55.1   P   T439-89-6   Iron   NR   T439-92-1   Lead   4.5   P   T439-92-1   Lead   4.5   P   T439-96-5   Manganese   NR   T439-97-6   Mercury   NR   T440-02-0   Nickel   NR   T440-02-0   Nickel   NR   T440-02-0   Nickel   NR   T740-02-0   Selenium   NR   T740-02-5   Selenium   NR   T740-02-5   Sodium   NR   T740-02-5   Sodium   NR   T740-02-5   Sodium   NR   T740-02-0   Thallium   NR   T740-66-6   Zinc   13.2   P   T740-66-6   Zinc   13.2   P   T740-66-6   Zinc   T2-5   Cyanide   NR   T2-5   Cyanide   T2-5   Cyani				00110101010101		×	
7440-38-2   Arsenic							
7440-39-3   Barium		7440-36-0		^ 7E		Provident Control of C	
7440-41-7   Beryllium				V./5	B	· · · · · · · · · · · · · · · · · · ·	
T440-43-9   Cadmium					┼──┼		
7440-70-2   Calcium					╂	***************************************	
7440-47-3   Chromium   20.6   P   7440-48-4   Cobalt   NR   7440-48-4   Cobalt   NR   7440-48-8   Copper   55.1   P   7439-89-6   Iron   NR   7439-92-1   Lead   4.5   P   7439-95-4   Magnesium   NR   7439-96-5   Manganese   NR   7440-02-0   Nickel   NR   7440-02-0   Nickel   NR   7782-49-2   Selenium   NR   7782-49-2   Selenium   NR   7782-49-2   Selenium   NR   7740-22-4   Silver   NR   7740-23-5   Sodium   NR   7740-28-0   Thallium   NR   7740-66-6   Zinc   13.2   P   57-12-5   Cyanide   NR   Color Before: BROWN   Clarity Before: OPAQUE   Texture:   Color After: YELLOW   Clarity After: CLEAR   Artifacts:   Color After: YELLOW   Clarity After: CLEAR   Artifacts:   CLEAR   CL					<del>                                     </del>		
7440-48-4 Cobalt NR 7440-50-8 Copper 55.1 P 7439-89-6 Iron NR 7439-92-1 Lead 4.5 P 7439-95-4 Magnesium NR 7439-96-5 Manganese NR 7440-02-0 Nickel NR 7440-02-0 Nickel NR 7782-49-2 Selenium NR 77440-22-4 Silver NR 77440-23-5 Sodium NR 77440-23-5 Sodium NR 77440-66-6 Zinc 13.2 P 57-12-5 Cyanide NR  Color Before: BROWN Clarity Before: OPAQUE Texture:				20.6	<del> </del>		
7440-50-8   Copper   55.1   F   7439-89-6   Iron   NR   7439-92-1   Lead   4.5   P   7439-95-4   Magnesium   NR   7439-96-5   Manganese   NR   7439-97-6   Mercury   NR   7440-02-0   Nickel   NR   7440-09-7   Potassium   NR   7782-49-2   Selenium   NR   7782-49-2   Selenium   NR   77440-23-5   Sodium   NR   7440-23-5   Sodium   NR   7440-66-6   Zinc   13.2   P   57-12-5   Cyanide   NR   Clarity Before: OPAQUE   Texture:   Color After: YELLOW   Clarity After: CLEAR   Artifacts:   CLEAR   CLEAR   CLEAR   Artifacts:   CLEAR   CLEA			Cobalt		<del>                                     </del>	inan Marus maran maran maran maran maran maran maran maran maran maran maran maran maran maran maran maran mar	NR
T439-89-6   Iron		7440-50-8		55.1			
7439-92-1   Lead   4.5   P   7439-95-4   Magnesium   NR   NR   7439-96-5   Manganese   NR   7439-97-6   Mercury   NR   7440-02-0   Nickel   NR   7440-09-7   Potassium   NR   7782-49-2   Selenium   NR   7440-22-4   Silver   NR   7440-23-5   Sodium   NR   7440-28-0   Thallium   NR   7440-62-2   Vanadium   NR   7440-66-6   Zinc   13.2   P   57-12-5   Cyanide   NR   Clarity Before: OPAQUE   Texture:   Color After: YELLOW   Clarity After: CLEAR   Artifacts:   CLEAR		7439-89-6		emining the control of the control o		ilian 11 decembra - marcanis a mandra mandra mangangangangang	NR
7439-95-4   Magnesium   NR     7439-96-5   Manganese   NR     NR				4.5		Plantinia Prant and adalah da kadi idan menganggu	
7439-96-5   Manganese   NR   7439-97-6   Mercury   NR   NR   NR   7440-02-0   Nickel   NR   NR   7782-49-2   Selenium   NR   7440-22-4   Silver   NR   7440-23-5   Sodium   NR   7440-28-0   Thallium   NR   7440-66-6   Zinc   13.2   P   57-12-5   Cyanide   NR   Clarity Before: OPAQUE   Texture:   Color After: YELLOW   Clarity After: CLEAR   Artifacts:   CLEAR   CLEA				ache in Language and the Company in the second reason and the company of the company and the company of the com		THE PERSON NAMED IN	
7440-02-0         Nickel         NR           7440-09-7         Potassium         NR           7782-49-2         Selenium         NR           7440-22-4         Silver         NR           7440-23-5         Sodium         NR           7440-28-0         Thallium         NR           7440-62-2         Vanadium         NR           7440-66-6         Zinc         13.2         P           57-12-5         Cyanide         NR    Color Before: BROWN  Clarity Before: OPAQUE  Texture:  Color After: YELLOW  Clarity After: CLEAR  Artifacts:			Manganese			######################################	
7440-09-7 Potassium				Company of the Compan		The state of the s	NR
7782-49-2         Selenium         NR           7440-22-4         Silver         NR           7440-23-5         Sodium         NR           7440-28-0         Thallium         NR           7440-62-2         Vanadium         NR           7440-66-6         Zinc         13.2         P           57-12-5         Cyanide         NR    Color Before: BROWN  Clarity Before: OPAQUE  Texture:  Color After: YELLOW  Clarity After: CLEAR  Artifacts:		7440-02-0	Nickel				NR
7440-22-4         Silver         NR           7440-23-5         Sodium         NR           7440-28-0         Thallium         NR           7440-62-2         Vanadium         NR           7440-66-6         Zinc         13.2         P           57-12-5         Cyanide         NR   Color Before: BROWN Clarity Before: OPAQUE Texture: Color After: YELLOW Clarity After: CLEAR Artifacts:							NR
7440-23-5         Sodium         NR           7440-28-0         Thallium         NR           7440-62-2         Vanadium         NR           7440-66-6         Zinc         13.2         P           57-12-5         Cyanide         NR    Color Before: BROWN  Clarity Before: OPAQUE  Texture:  Color After: YELLOW  Clarity After: CLEAR  Artifacts:							
7440-28-0 Thallium 7440-62-2 Vanadium NR 7440-66-6 Zinc 13.2 P 57-12-5 Cyanide  Color Before: BROWN Clarity Before: OPAQUE Color After: YELLOW Clarity After: CLEAR Artifacts:						777474-8001760224-447-ediahas	
7440-62-2 Vanadium 7440-66-6 Zinc 13.2 P 57-12-5 Cyanide  Color Before: BROWN  Clarity Before: OPAQUE  Texture:  Color After: YELLOW  Clarity After: CLEAR  Artifacts:			Thallium				
7440-66-6 Zinc 13.2 P 57-12-5 Cyanide NR  Color Before: BROWN Clarity Before: OPAQUE Texture:  Color After: YELLOW Clarity After: CLEAR Artifacts:	· ·	7440-20-0	Vanadium				
Color After: YELLOW Clarity After: CLEAR Artifacts:				177			
Color Before: BROWN Clarity Before: OPAQUE Texture: Color After: YELLOW Clarity After: CLEAR Artifacts:				13.2		······································	
Color After: YELLOW Clarity After: CLEAR Artifacts:							IVR
* The state of the							
Comments:	COTOL MICEL:	TENTOW	_ Clarity	ALLEY: CLEAR	<u></u>	Artii	tacts:
	Comments:					- The state of the	

#### U.S. EPA - CLP

#### 1 INORGANIC ANALYSES DATA SHEET

BPA SAMPLE NO.

Lab Name: STL		Contract:	LP-150
Lab Code: STL Ca	ase No.: <u>0116A</u>	SAS No.:	SDG No.: <u>A0116</u>
Matrix (soil/water): S	SOIL	Lab Sample ID:	000116A-02
Level (low/med): Level L	<u>LOW</u>	Date Received:	01/20/00
% Solids: 8	31.3		

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

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum			arte den 1965 Main Waldell (1974 Harri marrangagan) agi gama	NR
7440-36-0	Antimony	and the second of the second o			NR
7440-38-2	Arsenic	0.66	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium	and the state of t		17.	NR
7440-43-9	Cadmium	тембер (1 мартия) (1		Anna and a second of the secon	NR
7440-70-2	Calcium	-			NR
7440-47-3	Chromium	9.3			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	15.3			P
7439-89-6	Iron			TOTAL CONTRACTOR OF THE PARTY O	NR
7439-92-1	Lead	1.5		- Committee of the Comm	P
7439-95-4	Magnesium				NR
7439-96-5	Manganes <b>e</b>				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium			3,400	NR
7440-66-6	Zinc	13.7			P
57-12-5	Cyanide				NR
L					

Color	Before:	BROWN	Clarity	Before:	OPAQUE	Texture:	***************************************
Color	After:	YELLOW	Clarity	After:	CLEAR	Artifacts:	
Commer	nts:						
*********			*************************				
estilities.		196-ak Vision diakhirin di mada 196 (Vision VARP anno Ingdoles mada mada anno anno anno agus agus agus agus agu	· · · · · · · · · · · · · · · · · · ·				

#### 1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL	number of statement of the statement of	Contract:	LP-15
Lab Code: STL	Case No.: <u>0116A</u>	SAS No.:	SDG No.: <u>A0116</u>
Matrix (soil/water):	SOIL	Lab Sample ID:	000116A-03
Level (low/med):	LOW	Date Received:	01/20/00
% Solids:	82		

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

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.74	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	The second secon		***************************************	NR
7440-70-2	Calcium	And the second s			NR
7440-47-3	Chromium	9.5			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	14.3			P
7439-89-6	Iron				NR
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	15.1			P
57-12-5	Cyanide				NR

Color	Before:	BROWN	Clarity	Before:	OPAQUE	Texture:	***************************************
Color	After:	YELLOW	Clarity	After:	CLEAR	Artifacts:	
Comme	nts:						
						*	

## U.S. EPA - CLP

#### 1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

	INORGANIC A	NALYSES D	ATA SI	HEET		
Lab Name: <u>STL</u>	The state of the s	Contra	ct:	Communication and the second and the	and the second s	LP-3
Lab Code: STL Case	No.: <u>0116A</u>	SAS No	. :	<del></del>	<del></del>	SDG No.: <u>A0116</u>
Matrix (soil/water): SOI			Lab S	Samp:	le ID:	000116A-04
Level (low/med): LOW			Date	Rece	eived:	01/20/00
% Solids: 92.3	2					
Concentration		L or mg/kg	dry	weig	ght):	Mg/Kg
CAS No.	Analyte	Concentra	ation	C	Q	M
7429-90-5	Aluminum			<del>  </del>		NR
7440-36-0				1	······································	NR
7440-38-2			0.85	1 0 1	***************************************	P
7440-39-3	Barium	COL-MERCING COCCUMENT COMPONENT COMP				NR
7440-41-7		на менен от 3,4 бребврично, гіт філичення по продолжения по по продолжения по продолжения по продолжения по по	/-///white		ni arranalibrania) a minus ner manus que que de la company	NR
7440-43-9			***************************************			NR
7440-70-2	Calcium	an en region - Pythologick (region de l'est anno anno anno anno anno agraphement a mais anno anno anno anno an			+++latinetiatXen.eeuroja vermej	NR
7440-47-3	Chromium	**************************************	32.0		and transferrer in adjustment was a state of the Property of the	P
7440-48-4	Cobalt	NC-100-100-100-100-100-100-100-100-100-10				NR
7440-50-8	Copper	**************************************	61.0			TP
7439-89-6	Iron	A N. Marine Barrellon and the second control of the second	and the second s			T NR
7439-92-1			4.9			P
7439-95-4		77-10-10-10-10-10-10-10-10-10-10-10-10-10-			ndik delik mendirak mendilan menumun app, maggi	NR
7439-96-5						NR
7439-97-6						TNR
7440-02-0						NR
7440-09-7						NR
7782-49-2						NR
7440-22-4					Wardell National Commence of the Commence of t	NR
7440-23-5						INR
7440-28-0						NR
7440-62-2						NR P
7440-66-6	Zinc		16.2			
57-12-5	Cyanide					NR
Losses and the second s	And the state of t	AND STANDARD	XXXX			
Color Before: BROWN	_ Clarity	y Before:	OPAQU	E	Texti	ire:
Color After: YELLOW	_ Clarity	y After:	CLEAR	<del></del>	Artii	Eacts:
Comments:						

#### U.S. EPA - CLP

#### 1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL	ON CONTRACTOR OF THE PROPERTY	Contract:	EB-5
Lab Code: STL	Case No.: <u>0116A</u>	SAS No.:	SDG No.: <u>A0116</u>
Matrix (soil/water):	WATER	Lab Sample ID:	000116A-05
Level (low/med):	LOW	Date Received:	01/20/00
% Solids:	0.0		

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

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	mai propriet PC-PC-PC-PA des commendados e menanciamente participado de la completa de la calabrida en proprieta de la completa de la calabrida en la calabrida en proprieta de la calabrida en la calabrida en proprieta de la calabrida en l			NR
7440-36-0	Antimony			es vi brat kiminereni menggwagan	NR
7440-38-2	Arsenic	4.0	Ū		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium			A STATE OF THE PARTY OF THE PAR	NR
7440-70-2	Calcium	The Safety construction to the Safety of the construction of the Safety		The state of the s	NR
7440-47-3	Chromium	2.0	U	***************************************	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	6.1	В	777600000000000000000000000000000000000	P
7439-89-6	Iron				NR
7439-92-1	Lead	3.0	Ū		P
7439-95-4	Magnesium			And the Party of t	NR
7439-96-5	Manganese				NR
7439-97-6	Mercury		n/anamang (p)		NR
7440-02-0	Nickel	***************************************			NR
7440-09-7	Potassium	150 C 4 V V D 4 T V V V V V V V V V V V V V V V V V V		T. T.).4733477444.Furdridam.mag(N47344(-Val	NR
7782-49-2	Selenium		4.4 Coulded STATE Processing		NR
7440-22-4	Silver			***************************************	NR
7440-23-5	Sodium				NR
7440-28-0	Thallium	(II) (II) (II) (II) (II) (II) (II) (II)			NR
7440-62-2	Vanadium			-	NR
7440-66-6	Zinc	4.3	В		P
57-12-5	Cyanide				NR

Color	Before:	COLORLESS	Clarity	Before:	CLEAR	Texture:	***************************************
Color	After:	COLORLESS	Clarity	After:	CLEAR	Artifacts:	
Commer	nts:						
**************************************							
	the state of the s		***************************************				

Lab Name:	STL			C	ontract	:	AC MANAGEMENT AND A STATE OF THE STATE OF TH			
Lab Code:	STL	Case	No.:	<del></del>	SAS No.	:	***************************************	SDG	No.:	<u>A0116</u>
Preparation	on Blank	Matrix	(soil/wate	r): <u>so</u>	<u>IL</u>					
Preparation	on Blank	Concent	ration Uni	ts (ug/L	or mg/k	:g):	MG/KG			

		<b>T</b>	# # 13 M \ \ \ \ 2027 4 M \	20			100-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		1
Analyte	Initial Calibration Blank (ug/L) (	3	Conti	inuing Calil Blank (ug 2	bration /L) C 3	q	Prepa- ration Blank	C	М
Aluminum	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			150MV2000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				·····	NR
Antimony		<del> </del>							NR
Arsenic	4.0	<b>J</b>	4.00	4.0	Ŭ	4.00	0.8	30 O.C	
Barium		_							NR
Beryllium		<del> </del>			1		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		NR
Cadmium	**************************************					*****			NR
Calcium	**************************************								NR
Chromium	2.0	J	2.00	2.0	ul	2.00	0.4	1000	
Cobalt					1	***************************************			NR
Copper	1.0	J	1.00	1.0	u	1.00	0.5	500E	P
Iron									NR
Lead	3.0k	J	3.0 <b>U</b>	3.0	Ŭ	3.00	0.6	500U	P
Magnesium	de traith fearmainde a fearmacht, anns arm a común airde de sintifear de sidh tha deillíoch mail teal indi				and the second contraction and the second contra				NR
Manganese		1			1				NR
Mercury	**************************************			***************************************			VIII (1947-2014 )		NR
Nickel		1			1				NR
Potassium		1					***************************************		NR
Selenium	***************************************	2002			1				NR
Silver		1					ACCRETATION CONTRACTOR		NR
Sodium		***************************************							NR
Thallium									NR
Vanadium									NR
Zinc	3.0	J	3.0 <b>U</b>	3.0	J	3.0U	1.4	32B	P
Cyanide		1							NR

Lab Name:	STL	······································		. Cont	ract:	****			
Lab Code:	STL	Case	No.:	SAS	No.:	WARRING AND THE PROPERTY OF TH	SDG	No.:	<u>A0116</u>
Preparation	on Blank	Matrix	(soil/water)	: <u>WATER</u>					
Preparatio	on Blank	Concent	ration Units	(ug/L or	mg/kg)	: UG/L			

Analyte	Initial Calibration Blank (ug/L) C	Conti 1 C	nuing Calib Blank (ug/ 2 C	L)	d	Prepa- ration Blank	C	М
Aluminum		**************************************			$\neg \uparrow \uparrow$	**************************************	T	NR
Antimony					77	***************************************		NR
Arsenic	The Action (Section 2 to Market and Action (Section 2) and Action (S	4.00	4.00	ACCOUNT OF THE PARTY OF THE PAR		4.00	OU	P
Barium							1	NR
Beryllium						- Ve	_	NR
Cadmium	7.4	Designation (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		The state of the s	11	The state of the s		NR
Calcium								NR
Chromium		2.00	2.00			2.00	0U	P
Cobalt								NR
Copper		1.00	1.00			1.00	OU	
Iron								NR
Lead		3.0 <b>U</b>	3.00		$\coprod$	3.00	OU	P
Magnesium				·				NR
Manganese								NR
Mercury								NR
Nickel					Ш			NR
Potassium					Ш			NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium						***************************************		NR
Vanadium	**************************************			2				NR P
Zinc		3.00	3.00		4	3.00	ΟU	P
Cyanide								NR
			1	1			17	7

Lab Name:	STL			Contrac	ct:	P13/D10/ <sup>MM</sup>			
Lab Code:	STL	Case	No.:	SAS No	o.:	1	SDG	No.:	A0116
Preparation	on Blank	Matrix	(soil/water):	WATER					
Preparatio	on Blank	Concent	ration Units	(ug/L or mg.	/kg) : [	JG/L			

Analyte	Initial Calibration Blank (ug/L) (	Cont:	inuing Calib Blank (ug/ 2 C	L)	Prepa- ration Blank (	Z M
Aluminum		***************************************				NR
Antimony						NR
Arsenic	4.0k	4.00	4.0U	4.00		P
Barium			- DATE STATE OF THE PARTY OF TH	***************************************	Control of the second s	NR
Beryllium	***************************************	2 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				NR
Cadmium					711111111111111111111111111111111111111	NR
Calcium						NR
Chromium	2.0	2.00	2.00	2.00		P
Cobalt						NR
Copper	1.0	J 1.0 <b>U</b>	1.00	1.0년		P
Iron						NR
Lead	3.0	ј 3.0 <b>Ц</b>	3.0U	3.0 <b>U</b>		P
Magnesium						NR
Manganese			may para \$1000 mentional \$100 million (American) mention propriet (American) (American) (American) mentional mention (American) (Ame			NR
Mercury						NR
Nickel					· · · · · · · · · · · · · · · · · · ·	NR
Potassium						NR
Selenium	***************************************					NR
Silver		4				NR
Sodium						NR
Thallium						NR
Vanadium	TOWNS THE RESERVE TO A STATE OF THE RESERVE	<u> </u>				NR
Zinc	3.01	3.0 <b>U</b>	3.00	3.00		Ţ
Cyanide				D-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		NR
	1	11		<u> </u>		

Lab Name: STL	Contract:	<del></del>
Lab Code: STL Case No.:	SAS No.:	SDG No.: <u>A0116</u>
Preparation Blank Matrix (soil/water):	WATER	
Preparation Blank Concentration Units (u	g/L or mg/kg): <u>UG/L</u>	704-44-8-PMP

Analyte Aluminum	Blank (ug/L)	q	1	C	Blank (1	1CI / 13 l		1	ration		
				<u>_</u>	2	C	3	d	Blank	q	M
		71-	Mary Control of the C		***************************************				White the second		NF
Antimony	1										NF
Arsenic			4	. 0 <b>U</b>	4	. 0 <b>U</b>	4	1.00			F
Barium							40				NF
Beryllium											NF
Cadmium							*****				NF
Calcium											NF
Chromium			2	2.0 <b>U</b>	2	. O <b>U</b> ]	2	2.00			F
Cobalt											NF
Copper	(44.4). (a) ( a) ( a) ( a) ( a) ( a) ( a) ( a			OU	1.	. OU	1	. OU			I
Iron											NF
Lead				3.00	3	. 0 <b>U</b>	3	3.0 <b>U</b>			Ī
Magnesium											NF
Manganese											NF
Mercury											NF
Nickel											NF
Potassium											NF
Selenium											NF
Silver											NF
Sodium							WANTE THURSDAY A CO.				NF
Thallium											NR
Vanadium											NF
Zinc				3.0 <b>U</b>	3	. OU	4	3.0U			F
Cyanide										$\prod$	NR

#### 6 DUPLICATES

EPA SAMPLE NO.

Lab Name:	STL	halar frage (1879) All Value de Larger (1889). A l'All de Saine agrad 1879 (1874) All All Larger (1874) A l'All  Contract:		LP-1D	··	
Lab Code:	STL	Case No.: 0116A	SAS No.:		SDG No.:	A0116
Matrix:	SOIL			Level	(low/med):	LOW

% Solids for Sample: 80.48

% Solids for Duplicate: 80.35

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

Analyte	Control Limit	Sample (S)	С	Duplicate (D)	С	RPD	Q	М
Aluminum		(many 1)						NR
Antimony								NR
Arsenic		0.7522	В	0.7827	U	200.0		P
Barium								NR
Beryllium								NR
Cadmium							************	NR
Calcium	en en en en en en en en en en en en en e			- Providence and a second and a				NR
Chromium		20.5588		22.5566		9.3		P.
Cobalt					-t-t			NR
Copper	# 1200 mm/s are are as a 1400 MC COO mm/s are as a 1400 MC COO	55.1073		56.4744		2.4		P
Iron								NR
Lead		4.4736		3.8708		14.4		P
Magnesium								NR
Manganese								NR
Mercury							···	NR
Nickel							···	NR
Potassium	***************************************			7,4				NR
Selenium							-	NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc	3.9	13.1595		11.3324		14.9		₽
Cyanide								NR
		<u> </u>						<u></u>

# APPENDIX B WASTE DISPOSAL MANIFESTS

14023

BILL OF LADING NO.

#### TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.

CALIFEL DALIGNES CAT

COUNTY ROUTE 547

JACKSON, N.J. 08527

(732) 657-1103. (732) 657-9230 FAX MAIL: THE EARLE ENVIRONMENTAL CORP.

P.O. DRAWER 43

FARMINGDALE, NJ. 07727

GENERATOR:	SITE:
NAMECardvell Condenser	NAME: Sabe
ADDRESS: 30 Fast Montank Hwy	ADDRESS:
Lindonhurst, NY	
CONTACT/	CONTACT/
	PHONE NO.
TRANSPORTER: Dedicated Logistics Inc.	
TRANSPURIER: Dentented bondertes Inc.	
CONSULTANT: Allied (Steve)	
PRIMARY CONTAMINATE OF CONCERN:	
( ) GAS ( ) JET FUEL	TOTAL QUANTITY (TONS):
(x) OIL () CRUDE OIL	
( ) KEROSENE ( ) LUBRICATING OIL	
ANALYSIS REQUIRED:	
(x) TPH (x) FLASH POINT	
(; ) VOC (;x) PCB	
(x) TCLP METALS ( ) OTHER TESTS REQU	ESTED
(x) REACTIVITY ( ) OTHER TESTS REQU	ESTED
(E) CORROSIVITY	
GENERATOR SIGNATURE:	3/2/
GENERATOR SIGNATURE:	DATE: 3/7/00
	DATE: COLL
TRANSPORTER SIGNATURE:	LICENSE PLATE I
FACILITY SIGNATURE:	DATE: 3.09.00
ACILII SIGIMACON.	
TIME DRIVER ON SITE:	OFF SITE:
1 BUYEL AND STAR T BOOKS TO A T THE declared annual	
PROJECT MANAGER SIGNATURE:	

14021

BILL OF LADING NO.

## TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

PACILITY: THE EARLE ENVIRONMENTAL CORP.

AFF TEN WASH

COUNTY ROUTE 547 JACKSON, N.J. 08527 (732) 657-1103

(732) 657-1103 (732) 657-9230 FAX MAIL: THE EARLE ENVIRONMENTAL CORP.

P.O. DRAWER 43

FARMINGDALE, N.J. 07727

GENERATOR:	SITE:
NAME Cardvell Condenser	NAME: Sage
ADDRESS: 80 Fast Montauk Huy	ADDRESS:
Lindenhurst, WY	
CONTACT/ PHONE NOA1140d (516) 867-6452	CONTACT/ PHONE NO.
MOVE NO. THE STONE OF THE STONE	PRONE INO.
TRANSPORTER: Dedicated Logistics Inc.	
CONSULTANT: Allied (Steve)	
DOD A DAT CONTENTA MINATE OF CONTENTS	
PRIMARY CONTAMINATE OF CONCERN:	
( ) GAS ( ) JET FUEL ( ) CRUDE OIL	IUIAL QUANTITY (TUNS):
( ) KEROSENB ( ) LUBRICATING OIL	· .
A Desire of the second	
ANALYSIS REQUIRED:	
(x) TPH $(x)$ FLASH POINT $(x)$ PCB	
( ) VOC (x) PCB	•
(x) TCLP METALS ( ) OTHER TESTS REQ	
(x) REACTIVITY ( ) OTHER TESTS REQ (x) CORROSIVITY	UESTED ,'
	•
GENERATOR SIGNATURE:	DAME.
	· ·
TRANSPORTER SIGNATURE	LICENSE PLATE DATE:
FACILITY SIGNATURE:	DATE: 3-9-01
A second	
( · · · · · · · · · · · · · · · · · · ·	Mark Company
TIME DRIVER ON SITE:	OFF SITE:

BILL OF LADING NO.

TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.

COUNTY ROUTE 547:

JACKSON, NJ. 08527

(732) 657-1103

(732) 657-9230 PAX

MAIL: THE EARLE ENVIRONMENTAL CORP.

14026

P.O. DRAWER 43

FARMINGDALE, NJ. 07727

GENERATOR:	
NAMB Cardwell Condenser	NAME: Same
ADDRESS: 80 East Montauk Hay	ADDRESS:
Lindenhurst, HI	THE PROPERTY OF THE PROPERTY O
CONTACT	CONTACT/
PHONE NO. Allied (516) 867-6452	
TRANSPORTER: Dedicated Locistics Inc.	
CONSULTANT: Allied (Steve)	•
The Mark J. D. F. M. Start M. S. John Y. A. F. and the Contraction of the Contract of the Cont	aggress i Americanis and Comment of the Comment of
PRIMARY CONTAMINATE OF CONCERN:	
( ) GAS ( ) JET FUEL TERNITY	
(I) OIL ( ) CRUDE OIL	
( ) KEROSENE ( ) LUBRICATING OIL	
ANALYSIS REQUIRED:	
the state of the s	
(x) TPH (x) FLASH POINT	
( ) VOC (x ) PCB (x) TCLP METALS ( ) OTHER TESTS REQUES	THE PARTY OF THE P
(x) REACTIVITY ( ) OTHER TESTS REQUES	
(x) CORROSIVITY	
	· ·
GENERATOR SIGNATURE:	DATE: 3/5/22
CENSIATOR SIGNATORS	more more many and a second more second more to be the second and a second more second more second more second
TRANSPORTER SIGNATURE:	128672HbATE: 3-9-00
	LICENSE PLATE!
FACILITY SIGNATURE:	DATE: 3-9-00
TIME DRIVER ON SITE 8:00 In	OFF SITE:
PROJECT MANAGER SIGNATURE:	and the second s

14024

BILL OF LADING NO.

#### TRANSPORTATION OF NON-HAZARDOUS PETROLEUM CONTAMINATED SOIL

FACILITY: THE EARLE ENVIRONMENTAL CORP.

COUNTY ROUTE 547 JACKSON, N.J. 08527

(732) 657-1103 (732) 657-9230 FAX

PRINCE OF THE PARTY

MAIL: THE EARLE ENVIRONMENTAL CORP.

P.O. DRAWER 43

FARMINGDALE, N.J. 07727

Po	13	8
V	لـــا	C <sup>th</sup>

1	Comment of the Commen
GENERATOR:	SITE:
NAME Cardwell Condenser	NAME: Some
	1
ADDRESS: 80 Rest Montauk Hyv	ADDRESS:
- Indeadurate Management	(11527) Bushimus Influstramanum usus salambah bahasan mummum mumingapi sepisianga bahab mumangga negara muminga kadabahasan muminga sepisianga sepisiangan bahabah sepisiangan
CONTACT/	CONTACT/
PHONE NO. Allied (516)-867-6452	PHONE NO.
	· .
TRANSPORTER: Dedicated Logistics Inc.	
ATTING (Course)	
CONSULTANT: Allied (Scave)	######################################
PRIMARY CONTAMINATE OF CONCERN:	
(C.) GAS AND (C.) JET FUEL	TOTAL QUANTITY (TONS):
(x) OIL ( ) CRUDE OIL	
( ) KEROSENE ( ) LUBRICATING OIL	and the same what is a first of the same o
	y <sup>*</sup> .
ANALYSIS REQUIRED:	
(X) TPH (X) FLASH POINT	ja de la companya de
( ) VOC (x) PCB	
(x) TCLP METALS ( ) OTHER TESTS REQU	
(x) REACTIVITY ( ) OTHER TESTS REQU	BIED
(x) CORROSIVITY	Notice of the second se
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1. 1. 1.
GENERATOR SIGNATURE	NATE 3/5/10
TRANSPORTER SIGNATURE	/ PDATE: 3.9-88
TANISTONIER SIGNATURE	LICENSE PLATE #
THE CASE STORY OF THE PART A PROPERTY OF	DATE: 3-Poc
FACILITY SIGNATURE:	THE PROPERTY OF THE PROPERTY O
	· · · · · · · · · · · · · · · · · · ·
TIME DRIVER ON SITE:	OFF SITE:
	Year and the second of the sec
PROJECT MANAGER SIGNATURE:	
The transformation of the second seco	

THE WALTER R. EARLE CORP. NJ Ø8527 JACKSON. ORIGINAL (732)657-8591

SOLD TO:

EARLE ENVIRONMENTAL CORP. RECEIVE CARDWELL CONDENSER

COUNTY ROUTE 547

of the notable

JACKSON, NJ 08527

FROM: 80 EAST MONTAUK HIGHWAY

LINDENHURST, NY Job: 40264 PO:

Cattle Office Street

J.M.F. #:

TIME	DATE	PLANT #	CUSTOMER #	TICKET #	TYPE MATERIAL	TRUCK #
13:31	03/09/00	WRE	ØØØØ24B	ØØ <b>Ø</b> 475	JR68 SOIL	DLI15

PRODUCT # - NAME / LOAD # - ACCUMULATED TOTALS (TONS) 004- 134.749 122.235 JR66 SOIL Tons Mg

THE FEB WHS II

TRUCK WEIGHT IN TONS 50.460 TN 17.510 TN 36. 50 45.777 Mg 15.885 Mg 29. 554

WEIGHMASTER , JAMES S. TAYLOR

DRIVER.

RECVD. BY\_\_\_

ALL-WEIGHTS ARE IN POUNDS UNLESS OTHERWISE SPECIFIED

Redyclad

INSPECTOR'S SIGNATURE

LOAD TOTAL

659

TER R. EARLE CORP. COUNTY ROUTE 547 JACKSON, NJ Ø8527 ORIGINAL (732)657-8551

SOLD TO:

EARLE ENVIRONMENTAL CORP. RECEIVE CARDWELL CONDENSER

COUNTY ROUTE 547 JACKSON, NJ 08527

FROM: SØ EAST MONTAUK HIGHWAY

LINDENHURST, NY

3 M.F. #:

Job: 40264 PD:

TIME	DATE	PLANT #	CUSTOMER #	TICKET #	TYPE MATERIAL	TRUCK #	٠.
13:28	Ø3/Ø9/ <b>Ø</b> Ø	₩RE	ØØØØ248	000474	JR66 SOIL	DLIiz	

PRODUCT # - NAME / LOAD # - ACCUMULATED TOTALS (TONS) Tons Mg JR66 SOIL

TRUCK WEIGHT IN TONS 42.530 TN 13.760 TN 88.770 T 38.583 Mg 12.483 Mg 26.100 M

WEIGHMASTER: JAMES TAYLOR

\_ RECVD. BY \_\_\_\_

ALL WEIGHTS ARE IN POUNDS UNLESS OTHERWISE SPECIFIED

cycled

SPECTOR'S

Em Blac medicinal and and animal

LOAD TOTAL

57540.

THE WALTER R. EARLE CORP. COUNTY ROUTE 547 JACKSON, NJ 08527 (732)657-8551 ORIGINAL

SOLD TO:

J. M. F. #:

EARLE ENVIRONMENTAL CORP.

COUNTY ROUTE 547

COUNTRY IN

JACKSON, NJ 08527

RECEIVE CARDWELL CONDENSER

FROM: 80 EAST MONTAUK HIGHWAY

LINDENHURST, NY

FO: Job: 40264

TIVE	DATE	PLANTA	CUSTOMER A	TIOKET !	P.PE KUIENML	"TRUCK"
12:30	03/03/00	WRE	ØØØ8248	ØØØ467	JRE6 SOIL	TAK21

PRODUCT # - NAME / LOAD # - ACCUMULATED TOTALS (TONS) JR66 SOIL Tons

TRUCK WEIGHT IN TONS GROSS 14RE 18ET SE. 240 TN 17.500 TN 38.740 TI 51.021 Mg 15.876 Mg 38,145 M

WEIGHMASTER

TAYLOR

RECVO. BY\_ ALL WEIGHTS ARE IN POUNDS UNLESS OTHERWISE SPECIFIED

Recycled

INSPECTOR'S

LOAD TOTAL

77480

THE WALTER R. EARLE CORP. COUNTY ROUTE 547 JACKSON, NJ 08527 ORIGINAL (732)657-8551

SOLD . TO:

EARLE ENVIRONMENTAL CORP. RECEIVE CARDWELL CONDENSER

COUNTY ROUTE 547

FROM: 80 EAST MONTAUK HIGHWAY LINDENHURST, NY

JACKSON, NJ 08527

Job: 40264 PO:

J.M.F. #:

TIME	DATE	PLANT #	CUSTOMER #	TICKET •	TYPE MATERIAL	TRUCK #
12:28	03/09/00	WRE	<b>0</b> 000024 <b>8</b>	Ø00466	JR66 SOIL	TAKØ3 <b>7</b>

PRODUCT 3 - NAN	E/LOAD # -	ACCUMULA	red totals	(TONS)
JRES SOIL	001-	34.280 31.099	Tons Mg	

TRUCK WEIGHT IN TONS GROSS TARE TARE 147. 330 TN 13. 050 TN 34. 280 T 42.937 Mg 11.839 Mg 31.099 M

WEIGHMASTER: JAMES &.

RECVO. BY\_

TWEIGHTS ARE IN POUNOS UNLESS OTHERWISE SPECIFIED

Recycled

MSPECTOR'S SIGNATURE

LOAD TOTAL

EBSEN!

# APPENDIX C BORING LOGS AND WELL SAMPLING FORMS

PROJECT CHED LOCATION LIND WELL NO. MV SURFACE ELEV. SCREEN DIA. CASING DIA. DRILLING COMP.	CHEDWEU  ON LINDENHUBST  W.O. NO. 370-94-02  ISFT  ON MW-12  TOTAL DEPTH  LEFT  DIAMETER 8 IN  GP-9-0  N  OIA. 2 IN  LENGTH  OIA. 2 IN  LENGTH  OIA. 2 IN  LENGTH  ORILLING METHOD  HSA  BOB  LOG BY 95M/FPM  OATE DRILLED 12/16/19					
OFFTM (FEET) SAMPLE NUMBER	CONSTRUCTION	CRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)			
	1000 (	Sp.	O-6 FT Sp. Brown. Poorly graded fine sand with fine gravel. Trace coarse gravel-sized concrete blocks. Moist. No solvent or petroleum odors or staming.  6-19 FT Sp. Brown. Fine sand, trace medium to coarse sand. Wet. No staming or odors.  DTW = 6 FT BGS.  1.5 bags of well gravel (42) screened interval 4-16 FT Riser O-4 FT will gravel from 3-19 FT Benfourte From 2-3 FT (by drafed) Cock P761 Developed well  Backfull O.S-2 Ft Conerete surface seal of blush Manhole			

WELL NO MU-13	/ST W. TOTAL DEPT WATER LEVE LENGTH LENGTH	O. NO. 370-94-02  H
SAMPLE NUMBER CONSTRU-	CRAPHIC	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	Sp	0-6 FT Sp. Brown. Poorly Graded Fine Sans with frace fine to medium graved. Moist. No solvent or petroleum Staining or odors.  6-17.5 FT Sp. Brown. Fine sand. Trace medium to coarse sand. Wet. no Stains or odors.  DTW = 6 FT  1 hag of #2 well graved  1 hag of Bintonite Chips-hydrated  Screen - 4-16 FT  Risa - 0-4 FT  well graved 3-17.5 Ft  benfonte 2-3 Ft  Concrete surface seal & flush manhole  (och # P761  Developed well

#### WELL SAMPLING DATA FORM

CLIENT CArdwell		
PROJECT NO. 370-94-02		
LOCATION <u>Lindenhurst</u>		
WELL NO. MW-12	WELL TYPE 2	"& RIC
DATE 1/5/00	START TIME	1115
WEATHER SUM 40'	FINISH TIME	1125
SAMPLED BY GS64		
DEPTH TO BOTTOM OF WELL /6	51	P.OD
DEPTH TO BOTTOM OF WELL 10		
DEPTH TO WATER 4,8	CONTRACTOR AND AND AND AND AND AND AND AND AND AND	relizione e l'electron e conflicte con e accommission proprietate
HEIGHT OF WATER COLUMN	11,65 menorum casarum armani ara casarum tradisina antai ar sementra antaina casarum casarum ta sementra antaina cas	Constitution of the second of
WATER VOLUME IN CASING		GAL.
WATER VOLUME TO BE PURGED	5.6	GAL.
WATER VOLUME PURGED	B. O	GAL.
PURGE DATE //5/00	CONTRACTOR OF THE PROPERTY OF	The state of the s
PURGE METHOD Whale Pump	as Principal Control of the Control	Triving to the Contract of the
	a	
PHYSICAL APPEARANCE/COMMENTS		
· i ·		
FIELD MEASUREMENTS	us of	FTY
gal TIME PH	COND TEMP	7.7.0
2 6.14	300 SX	
4 6.23	310 58	5 15.14
i 6.21	290 59	
SAMPLING AND ANALYTICAL METHOD	S	1. 18.5 8 9 1. 1
Disp bules / TCL VOCE	1	er er er Fransk
LABORATORY NAME AND LOCATION		and the second s

#### WELL SAMPLING DATA FORM

CLIENT Cardwell		
PROJECT NO. 370-74-02		
LOCATION <u>lindenhurst</u>		
WELL NO. 14W-13	WELL TYPE 2"0' PVC	opolina.
DATE 1/5/00	•	**************************************
WEATHER SUN YO		ristrija
SAMPLED BY GSM		
DEPTH TO BOTTOM OF WELL (N)	7.18	FT.
DEPTH TO WATER (N) Y.		FT.
HEIGHT OF WATER COLUMN		FT.
WATER VOLUME IN CASING		GAL.
WATER VOLUME TO BE PURGED	and the contract of the contra	GAL.
WATER VOLUME PURGED	B, D	GAL.
PURGE DATE 1/5/00		
PURGE METHOD Whate Pump		
PHYSICAL APPEARANCE/COMMENTS		
FIELD MEASUREMENTS	us of	FTY
TIME DH	COND TEMP	The state of the s
	270 58	76
4 6.13 6.5 6.09	260 58	4.03
SAMPLING AND ANALYTICAL METHODS		
Displanta/TCL VOCs	1 de la companya del companya de la companya del companya de la companya del la companya de la c	• •
LABORATORY NAME AND LOCATION		,
STC Menroe, CT		

## **Headquarters**

909 Marconi Avenue Ronkonkoma, New York 11779 (631) 737-6200 (718) 767-3337

## **Branch Offices**

225 Brookley Road Suite 520 Rome, New York 13441 (315) 336-7721 8000 IH 10 West Suite 600 San Antonio, TX 78230 (210) 366-8002

505 West Riverside Suite 500 Spokane, Washington 99201 (509) 252-5079

445 Contractor's Road Edwards, CA 93523 (661) 258-1060