

ENVIRONMENTAL RESTORATION PROGRAM

FINAL

**SUPPLEMENTAL DATA COLLECTION
TECHNICAL MEMORANDUM
SITE 6**

**109th AIRLIFT WING
NEW YORK AIR NATIONAL GUARD
SCHENECTADY AIR NATIONAL GUARD BASE
SCOTIA, NEW YORK**

AUGUST 2003

VOLUME I OF II



Prepared For

**AIR NATIONAL GUARD READINESS CENTER
ANDREWS AFB, MARYLAND 20762-5157**

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Prepared By

ANEPTEK CORPORATION

408 Pleasant Street

Worcester, Massachusetts 01609

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LIST OF ACRONYMS

ABB	ABB Environmental Services, Inc.
AW	Airlift Wing
ANG	Air National Guard
ANGRC	Air National Guard Readiness Center
Aneptek	Aneptek Corporation
ARARs	Applicable or Relevant and Appropriate Requirements
AWQC	Ambient Water Quality Criteria
BDL	below detection limit
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
cis 1,2-DCE	cis 1,2-Dichloroethene
CFR	Code of Federal Regulations
COC	Contaminant of Concern
COR	Contracting Officer Representative
CWA	Clean Water Act
DCE	Dichloroethene
DERP	Defense Environmental Restoration Program
DOD	Department of Defense
DOT	Department of Transportation
DQO	Data Quality Objective
DWQS	Drinking Water Quality Standards
EM	Environmental Manager
ERP	Environmental Restoration Program
EPA	Environmental Protection Agency
°F	degrees Fahrenheit
FS	Feasibility Study
ft	feet
GC	Gas Chromatograph
HASP	Health and Safety Plan
HI	Hazard Index
IDW	Investigation Derived Waste
IRIS	Integrated Risk Information System
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
mg/kg	milligram per kilogram
MIS	Management Information System
ml	milliliter

LIST OF ACRONYMS/ABBREVIATIONS (Cont.)

MS/MSD	Matrix Spike/Matrix Spike Duplicate
ND	Not Detected
NGB	National Guard Bureau
NYANG	New York Air National Guard
NYCRR	New York Code, Rules, Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	Polynuclear Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PID	Photoionization Detector
PPE	Personal Protective Equipment
PQL	Practical Quantitation Limit
P/S	Project/Site Manager
RI	Remedial Investigation
SARA	Superfunds Amendments and Reauthorization Act
SB	Soil boring
SDC	Supplemental Data Collection
STL	Severn Trent Laboratory
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCRA	Time Critical Removal Action
TBC	To Be Considered
TCE	Trichloroethene
TIC	Tentatively Identified Compounds
TM	Technical Memorandum
TPH	Total Petroleum Hydrocarbons
trans 1,2-DCE	trans 1,2,-Dichloroethene
SOP	Standard Operating Procedure
SSO	Site Safety Officer
QA\QC	Quality Control\Quality Assurance
ug/Kg	Microgram per Kilogram
ug/L	Microgram per Liter
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

This Technical Memorandum presents the results of the Supplemental Data Collection sampling program conducted at Environmental Restoration Program Site 6-Suspected Spill Area (Site 6), at the 109th Airlift Wing, New York Air National Guard, Schenectady Air National Guard Base, Scotia, New York. The Supplemental Data Collection was performed at the 109th Airlift Wing to address data gaps identified after the completion of a Remedial Investigation performed at Site 6 by Aneptek Corporation, and to facilitate the completion of a Feasibility Study.

Field activities at Site 6 included the installation of temporary wells, permanent monitoring wells, the advancement of soil borings, the collection of soil and groundwater samples for screening purposes, and the collection of confirmatory soil and groundwater samples. All confirmatory samples were submitted to an off-site laboratory for analysis for volatile organic compounds, semi-volatile organic compounds, and metals. During the initial stages of the field program, groundwater samples were collected from seven existing temporary wells, four permanent wells, and two microwells, as well as from thirty, newly installed temporary wells. These samples were submitted to an off-site laboratory for screening for volatile organic compounds by gas chromatograph. Based on the screening results, eleven permanent monitoring wells were installed. Subsequent to the installation of the new wells, two rounds of confirmatory groundwater sampling events were performed. Samples were collected from four existing wells and the eleven newly installed wells. Twelve soil borings were advanced during the field program to facilitate subsurface soil sampling. Borings were advanced from ground surface to refusal, typically between six to eight feet below ground surface. Samples were collected continuously and screened in the field using a photoionization detector. Based on the field screening results, one subsurface confirmatory soil sample was collected from each boring and submitted for laboratory analysis.

Confirmatory soil sampling results indicate that the majority of Site 6 soils are generally free of contaminants of concern, however, sample results did confirm two areas of soil contamination which contain chlorinated volatile organic compounds in excess of state regulatory cleanup standards. One area is located in the southwest corner of Site 6, and a smaller, isolated area is located in the southeastern portion of Site 6. Both locations are in close proximity to areas excavated during the performance of a Time Critical Removal Action conducted in April of 2002. Additionally, when incorporating confirmatory soil sampling results from the SDC with confirmatory sampling and field screening results from the Remedial Investigation, it is apparent that there are two additional areas of residual soil contamination also located in the southeastern portion of Site 6. These areas may be responsible for the continued detection of chlorinated volatile organic compounds in groundwater samples collected from monitoring well 6MW-03.

Of the twelve soil samples collected during the field program, three contained volatile organic compounds (trichloroethene and /or tetrachloroethene) at concentrations above their respective clean up standards. Numerous inorganic analytes were detected at concentrations above their respective soil clean up objectives. Of these, nickel, potassium, and iron were the most prevalent. For the

majority of samples collected, exceedances reported for inorganics were reported at concentrations just above the regulatory clean up standard or site specific background values. However, although concentrations exceeded the regulatory clean up standards, results were within the range of established Eastern United States/New York State background concentrations.

Results from the groundwater sampling reported chlorinated volatile organic compounds, mainly cis-1,2-Dichloroethene, trichloroethene, and tetrachloroethene, in five of the wells sampled at concentrations exceeding state regulatory drinking water standards. Vinyl chloride was also detected in one of the wells sampled exceeding its respective drinking water quality standard. One semivolatile organic compound, bis(2-Ethylhexyl) phthalate, was detected in four of the wells sampled at low concentrations not exceeding its respective drinking water standard. Numerous inorganic analytes were detected above their respective drinking water standards in each of the wells sampled, most notably iron, sodium, and manganese.

Based on the results of the field program conducted during the SDC, and incorporating results from the TCRA and RI, it is concluded that residual VOC contaminated soils persist in two areas of Site 6. As previously stated, these areas lie in the southwestern and southeastern portions of Site 6. Although these areas are relatively small in size, the concentrations of the contaminants (tetrachloroethene and trichloroethene) are relatively high. Groundwater samples collected in proximity to these areas mirror the contamination concentrations found in the soils. Based on this conclusion, additional remedial measures are recommended for Site 6 soils and groundwater.

SECTION 1.0

1.0 INTRODUCTION

This Technical Memorandum (TM) presents the results of a Supplemental Data Collection (SDC) conducted at Environmental Restoration Program (ERP) Site 6 (Site 6), at the 109th Airlift Wing (AW), New York Air National Guard (NYANG) Schenectady Air National Guard Base (the Base) located at Schenectady County Airport, Scotia, New York. The SDC at Site 6 was performed by Aneptek Corporation (Aneptek) for the Air National Guard (ANG/CEVR) pursuant to the ERP, under National Guard Bureau (NGB) Contract No. DAHA90-97-D-0011, Delivery Order No. 19. The SDC was performed under the authority of the Comprehensive Environmental Response, Compensation, and Liabilities Act (CERCLA), and the Superfund Amendments and Reauthorization Act (SARA).

This SDC was implemented based on the results of a Remedial Investigation (RI) performed by Aneptek at the 109th AW during 1998 and 1999 and on the findings of a Draft Final Feasibility Study (FS) (Draft Final Feasibility Study, Aneptek, March, 2001). The results of the RI indicated the presence of volatile organic compound (VOC) contaminated soil and groundwater, and petroleum contaminated soil at Site 6. Based on the recommendations of the RI, a FS was developed for Site 6 soils which recommended excavation and off-site disposal of the contaminated soils. Based on this recommendation, contaminated soils were excavated and disposed of under the performance of a Time Critical Removal Action (TCRA). The TCRA was conducted at Site 6 from April 22 to April 25, 2002. The FS also stated that further investigative measures were needed to complete the FS with regards to delineation of Site 6 groundwater contamination, and to confirm that the TCRA had been successful in removing contaminated soils from Site 6. These investigative measures were conducted during the SDC.

SECTION 2.0

2.0 PROJECT OBJECTIVES AND SCOPE

2.1 Project Objectives and Scope

The objectives and scope of this project was the performance of an SDC at Site 6 at the 109th AW. The SDC included activities necessary to further characterize the nature and extent of soil and groundwater contamination at Site 6, and to obtain sufficient data to determine the need for possible site remediation. The results of the SDC will be included in the Final Feasibility Study, at which point options for remedial activities, including the option of No Further Action, will be detailed and numerically rated. One option will then be rated as the most effective with regards to both cost and remedial effectiveness.

2.2 Investigative Approach

The general investigative approach for the SDC includes the collection of subsurface soil samples, groundwater samples, and groundwater elevation data necessary for site characterization. Soil and groundwater data collected during this SDC will be compared to current New York State Department of Environmental Conservation (NYSDEC) Clean-Up Objectives (soil) and Drinking Water Quality Standards (DWQS) and Guidance Values (groundwater). Based on these comparisons, further site remediation may or may not be warranted at Site 6.

2.3 Report Structure

This TM is presented in 15 sections. Section 1.0 provides an introduction to this report. Section 2.0 describes the project objectives and scope. Section 3.0 presents a description of the Schenectady ANG Base and of Site 6, and presents the results of the RI, including sample results, geological and hydrogeological findings, and conclusions. Section 4.0 presents a brief discussion of the Applicable or Relevant and Appropriate Requirements (ARARs) for the Base. Section 5.0 describes the investigative approach used during the SDC, Section 6.0 reports the investigative findings. Section 7.0 provides the conclusions of the field program and recommendations, while Section 8.0 provides a list of the references used in preparation of this TM.

SECTION 3.0

3.0 FACILITY BACKGROUND INFORMATION

This section presents brief background summaries of the Base (Section 3.1), Site 6 (Section 3.2), results from the Remedial Investigation, including the performance of a Removal Action (Section 3.3), Summary and Conclusions of RI Report (Section 3.4), and the identification of Data Gaps (Section 3.5).

3.1 Base Description and History

The 109th Airlift Wing is located on the eastern and southern portions of the Schenectady County Airport in Scotia, New York (Figure 3-1). The Base comprises approximately 106 acres. The land to the north, east, and west of the Base is agricultural and residential. South of the Base is the Mohawk River, a railway, commercial and residential properties. Prior to construction of the Base, the property was utilized as agricultural land. The ANG authorized the formation of the 139th fighter squadron of the New York National Guard in November 1948. The unit was first located at the Scotia Naval Depot, which is about three miles to the west of the current base. The first aircraft for the new unit, the P-47 "Thunderbolt", arrived in 1949, along with an assortment of support aircraft including the T-6, B-26 and the C-47.

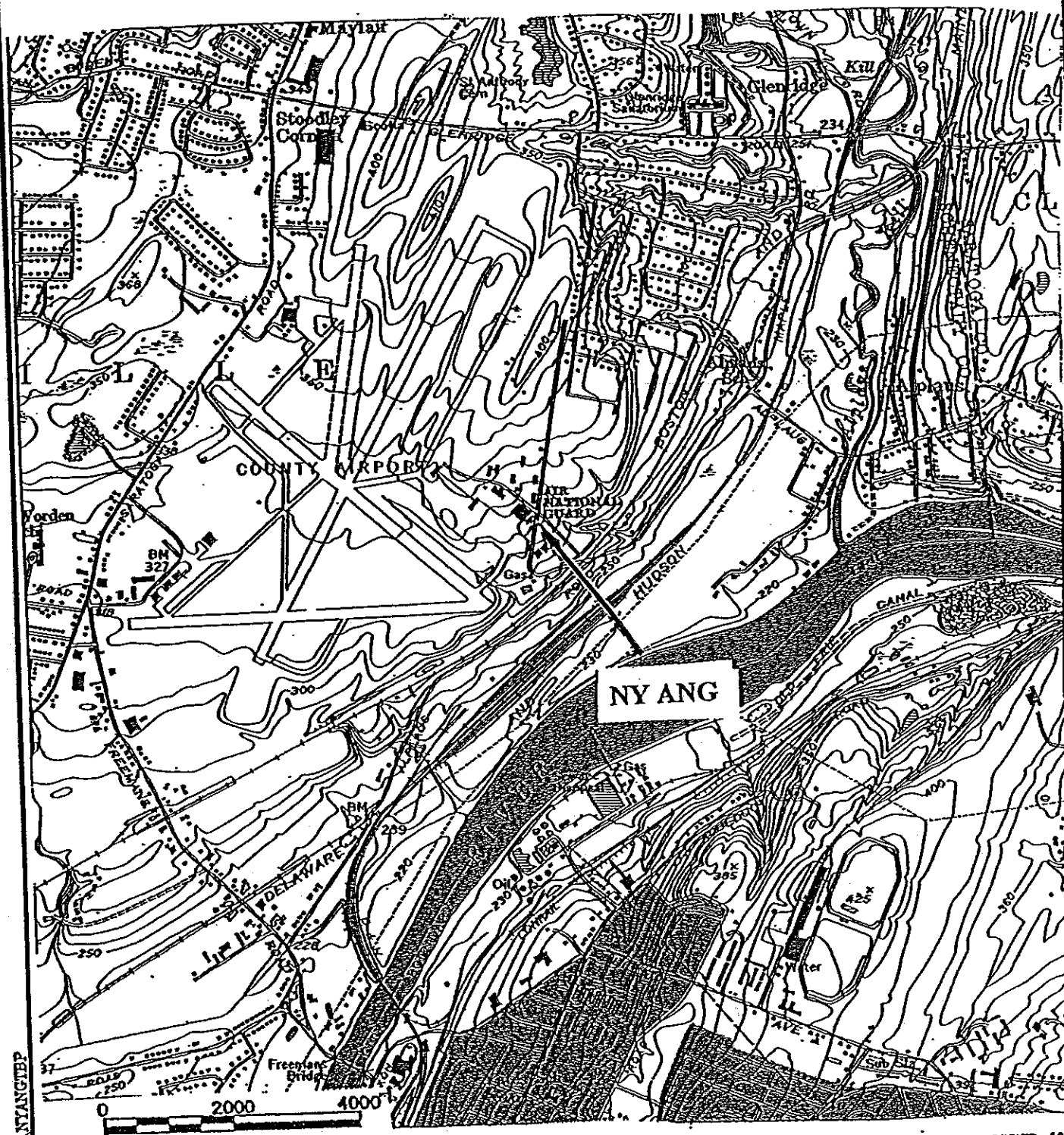
By September of 1950, the permanent facilities for the unit were completed at the Schenectady County Airport. These facilities consisted of the present administration building, aircraft hanger, vehicle maintenance, and various supply buildings. In 1951, The P-47's were replaced by the P-51 "Mustang." By 1954, the Base had received the F-94 "Stat-fire" jets. In order to accommodate the new aircraft, a 7,000 foot runway with overruns was constructed.

By 1960, the unit was redesignated the 109th Tactical Airlift Group and acquired the four-engine C-97A "Stratocruiser". In October 1961, the 109th Tactical Airlift Group was called to active duty in support of the Berlin Airlift. The unit was deactivated and resumed guard status on August 31, 1962. At that time, the aging C-97A aircraft were replaced with the C-97G model.

A new mission was undertaken by the unit in 1971 with the replacement to the C-97G by the C-130 "Hercules" turboprop transport. In 1972, The C-130A models were converted to the C-130D by Lockheed Aircraft Company to facilitate the use of skis on the Greenland Polar Ice Cap. In 1984, the 109th Tactical Airlift Group received its first C-130H aircraft, which replaced the older C-130D model. In 1991, the unit's name changed from the "109th Tactical Airlift Group" to the "109th Airlift Wing".

3.2 Site Description

Site 6 was not originally included as part of the ERP program. It was included during the RI after sample results from Site 3, which is adjacent and downgradient of Site 6, indicated soil and groundwater contamination present in this previously unknown area. The contaminants consisted of chlorinated compounds (mainly cis-1,2-Dichloroethene [cis-1,2-DCE] and vinyl chloride), plus additional soil contamination from petroleum compounds (xylenes). Initially, given the close



SOURCE: USGS TOPOGRAPHIC MAP, SCENECTADY QUADRANGLE, "7.5 MINUTE SERIES, 1980"



NEW YORK AIR NATIONAL GUARD BASE
109th AIRLIFT WING
NY ANG LOCATION
SCOTIA, NEW YORK



ANEPTEK CORPORATION
Analytic, Environmental
and Process Technologies

FIGURE: 3-1

proximity of this area to other designated ERP sites (Site 1, investigated in 1996 [Final SI Report, ABB, October, 1996], and Site 3), it was thought this area was somehow related to either one or both of them. However, based on the nature of contamination found in this area (analytes other than at Site 1 or 3), the potential association of previous activities being conducted **within** the same time frame and in this same general area (but at different locations), it is evident that this area should be treated as a separate site, designated as such, and included in the ERP program. Figure 3-2 presents the location of Site 1, Site 3, and Site 6.

3.3 Previous Investigations

The following section presents a summary of the results of the RI performed at Site 6. The RI has been the only investigative activity conducted at Site 6. For more detailed information on these activities and the environmental setting at Site 6, please refer to the **Final** RI Report, Vol. I (Aneptek, September, 2000).

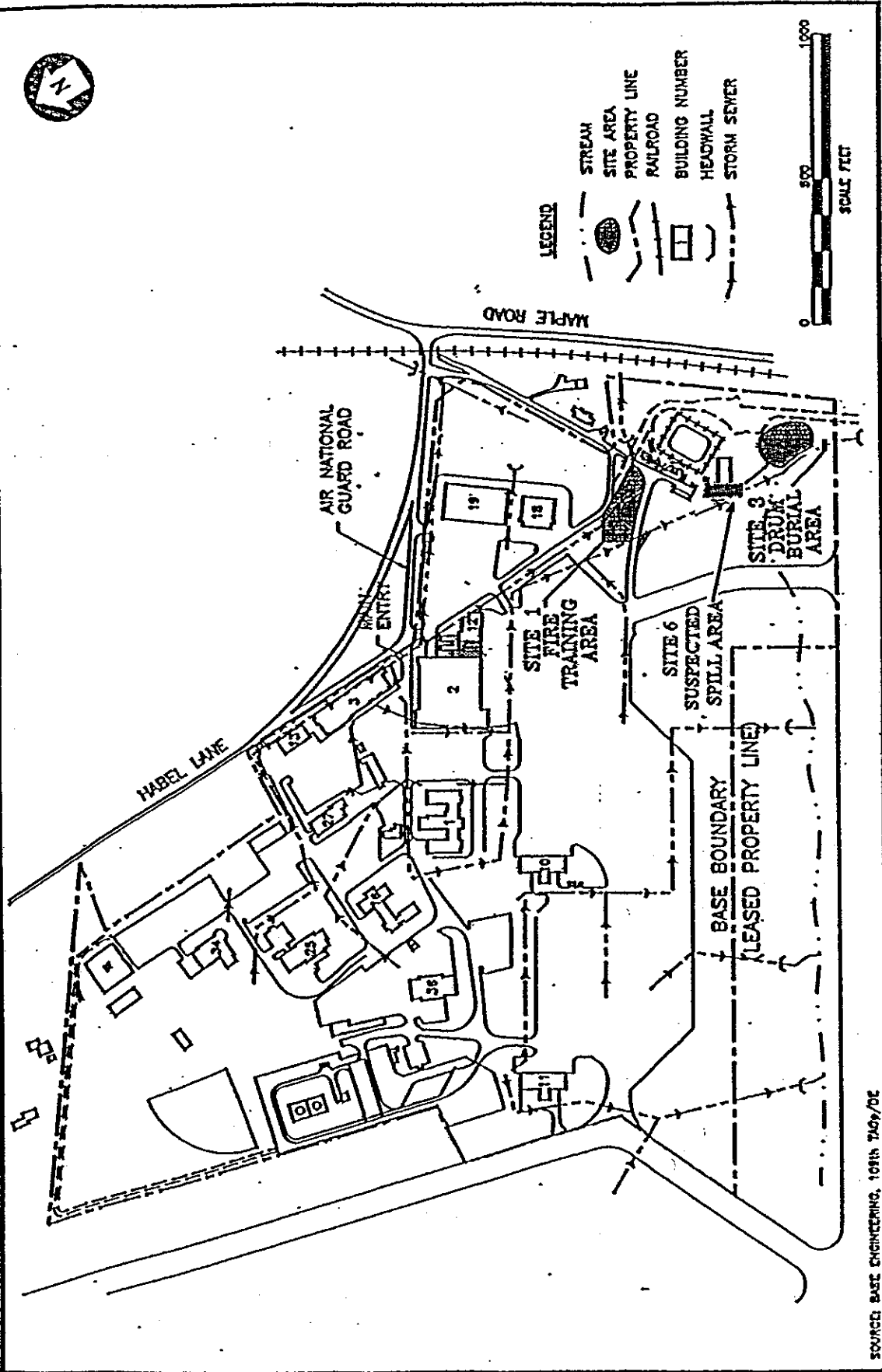
3.3.1 Remedial Investigation

The RI field program was conducted by Aneptek from July of 1998 to June of 1999. A total of **three** sites, Site 2, Site 3, and Site 6, were investigated during the RI. This TM will only detail results from Site 6.

Field activities conducted at Site 6 during the RI included the installation of two permanent groundwater monitoring wells, conducting in-situ hydraulic conductivity “slug” testing on the two new wells plus a previously existing well (installed during the initial stages of the RI), the installation of 16 temporary wells, the advancement of 16 soil borings, and the advancement of one bedrock boring to a depth of 109 feet below ground surface (bgs), to facilitate the installation of a bedrock monitoring well. No water was evident in bedrock to this depth, and the well was abandoned. Two rounds of groundwater samples were collected from the newly installed wells. Groundwater samples collected from the temporary wells were screened by a gas chromatograph (GC) using a modified Environmental Protection Agency (EPA) Method 8021. Although 16 soil borings were advanced at Site 6, not every boring was sampled. Soil samples from selected borings were screened using the GC or sent to an off-site laboratory for full analysis. Soil boring and monitoring well locations are presented in Figure 3-3, temporary wells are presented in Figure 3-4. To review RI monitoring well construction logs, boring logs, and rock coring logs, please refer to the Final RI Report, Vol. II (Aneptek, 2000). The results of the RI conducted at Site 6 are discussed below.

3.3.1.1 RI Groundwater Sampling GC Screening Results

Groundwater samples were collected from 16 temporary wells and from one permanent well (6MW-03) for GC screening. All samples were screened using a modified EPA Method 8021 for trans-1,2-dichloroethene (trans-1,2-DCE), cis-1,2-DCE, tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride. In the samples collected from the temporary wells, cis-1,2-DCE was the only compound which was detected above the NYSDEC drinking water standard of 5 µg/L. The sample collected from TW-9 had the highest concentration of cis-1,2-DCE at 50.1 µg/L. Other compounds detected in this sample were PCE at 3.3 µg/L, TCE at 1.14 µg/L, and vinyl chloride at 1.01 µg/L.



NEW YORK AIR NATIONAL GUARD BASE

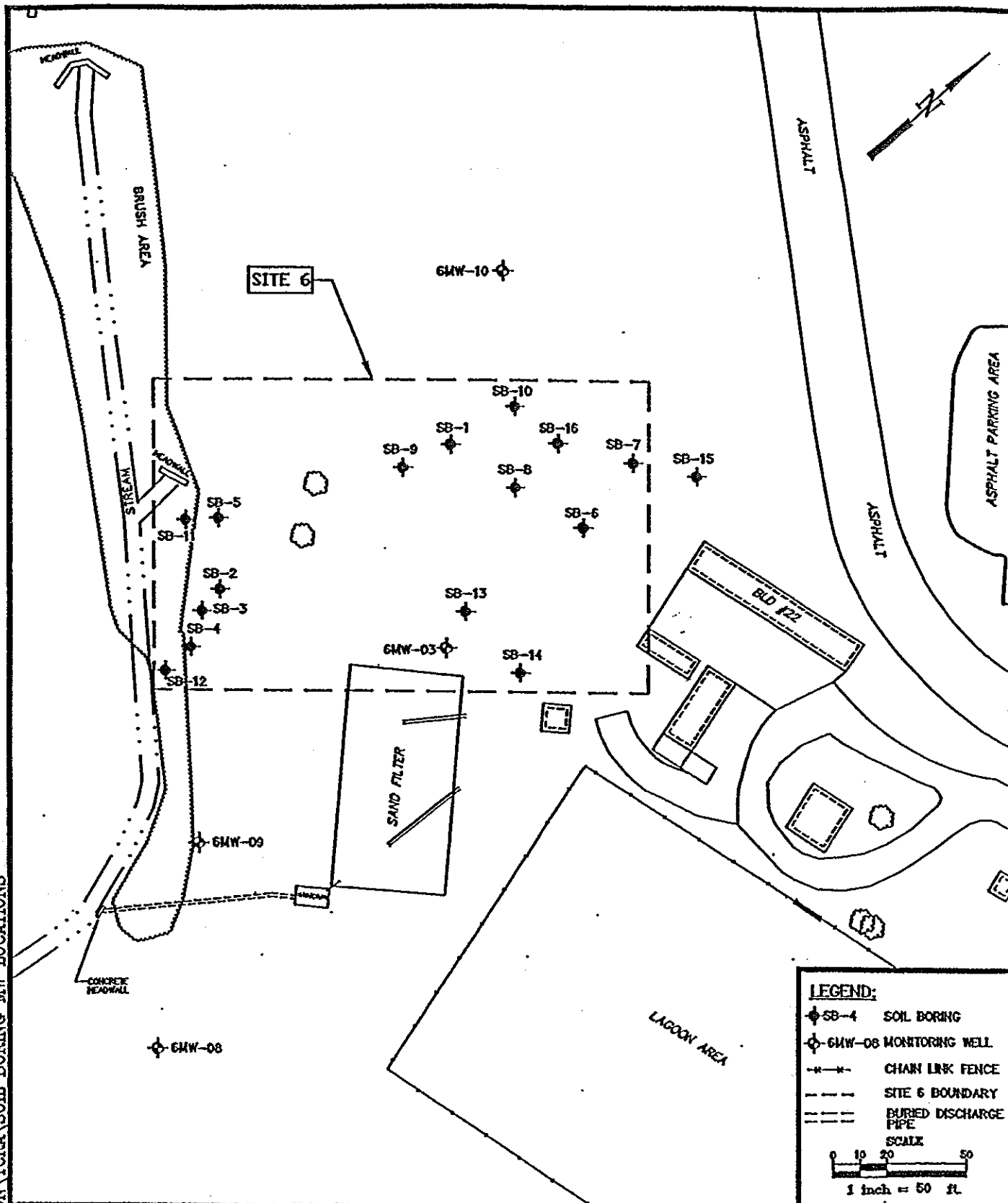
109th AIRLIFT WING

ERP SITE LOCATIONS

SCOTIA, NEW YORK



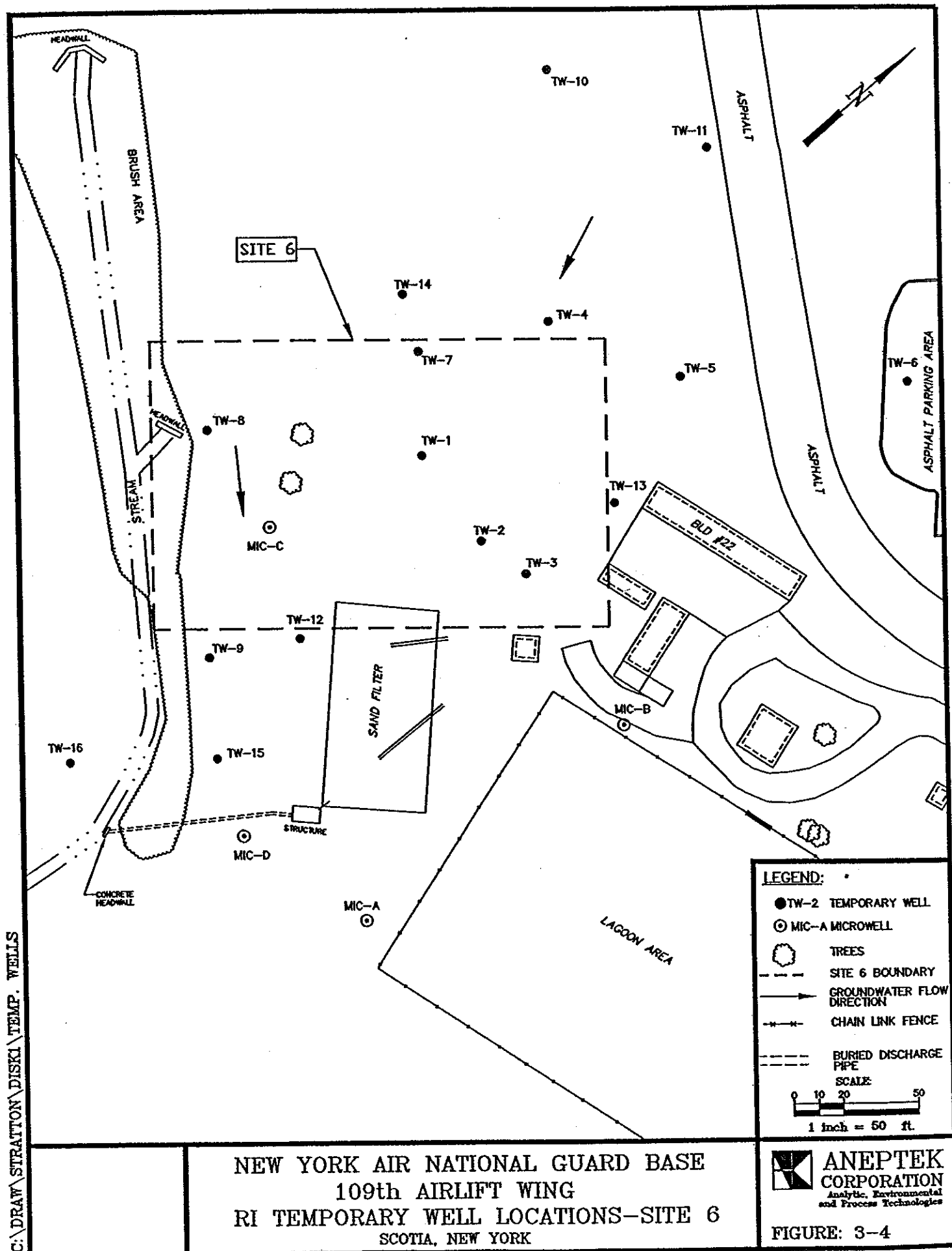
FIGURE: 3-2



NEW YORK AIR NATIONAL GUARD BASE
109th AIRLIFT WING
RI SOIL BORING/MONITORING WELL
LOCATIONS - SITE 6
SCOTIA, NEW YORK

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FIGURE: 3-3



NYSDEC drinking water standards for these three compounds are 5 µg/L, 5 µg/L, and 2 µg/L, respectively. TW-12 had the next highest concentration of *cis*-1,2-DCE at 34.2 µg/L. TCE was also detected in this sample at 2.72 µg/L. In the sample from TW-7, only *cis*-1,2-DCE was detected at a concentration of 6.87 µg/L. In sample TW-15, *cis*-1,2-DCE was detected at 1.14 µg/L and PCE at 4.71 µg/L, both below NYSDEC drinking water standards. Temporary wells TW-2 and TW-10 were screened for VOCs using a full EPA Method 8021. The reported results for TW10 were non-detect for all compounds. The sample collected from TW-2 reported only 1,3,5-trimethylbenzene at 1.33 µg/L. Results from these two temporary wells are also presented in Table 3-1.

3.3.1.2 RI Groundwater Sampling Analytical Results

Two groundwater monitoring wells installed at Site 6 were sampled in accordance with the approved RI Work Plan (Aneptek, 1998). Groundwater samples were submitted to an off-site laboratory for the following analyses: VOCs by EPA Method 8260, semi volatile organic compounds (SVOCs) by EPA Method 8270, target analyte list (TAL) metals (total and dissolved inorganics) by EPA Method 6010, chlorinated herbicides by EPA Method 81.50, cyanide by EPA Method 9010, propylene glycol by EPA Method 8015, and pesticides/Polychlorinated Biphenyls (Pest/PCBs) by EPA Method 8081.

Two rounds of groundwater sampling were performed at monitoring wells 6MW-08 and 6MW-09 in May and June, 1999. Tables 3-2 and 3-3 present the analytical results for round one and two, respectively. Additionally, the groundwater sample analytical results from monitoring well 6MW-03, collected in October and December, 1998, are included in the Site 6 data set. In summary, the analyses for pesticides, PCBs, herbicides, cyanide and propylene glycol were all reported as not detected above the laboratory reported Practical Quantitation Limit (PQL) or less than the NYSDEC groundwater standards. The remaining analytical results for VOCs, SVOCs, and inorganics are summarized as follows:

VOCs. Several VOCs in exceedance of the NYSDEC standards were detected in the Site 6 groundwater samples. These VOCs included *cis*-1,2-DCE, vinyl chloride, and PCE. *Cis*-1,2-DCE was detected in 6MW-03 and 6MW-09 during the second round, and at its highest recorded concentration of 120 µg/L in 6MW-03 in the first round. Vinyl chloride was detected in both rounds at 6MW-03 at a concentration of 16 µg/L (first round) and 2.7 µg/L (second round). PCE was detected in 6MW-09 at a concentration of 16 µg/L in the second round. The laboratory did not report any significant VOC Tentatively Identified Compounds (TICs).

SVOCs. Several SVOCs in exceedance of the NYSDEC groundwater standards were detected in the Site 6 groundwater samples. These included the PAHs acenaphthene and 2-methylnaphthalene, and the phenolic compounds 2,4-dinitrophenol, 4-nitrophenol, and phenol. Acenaphthene and 2-methylnaphthalene were detected in the first round at 6MW-09 at concentrations of 40 µg/L and 3.5 µg/L, respectively. The phenolic compounds were detected in the second round at 6MW-08 and 6MW-09, with the highest combined concentration of 54 µg/L at 6MW-09. No significant TICs were reported by the laboratory.

TABLE 3-1
TEMPORARY WELL GROUNDWATER SAMPLE RESULTS
GC SCREENING
SCHENECTADY ANGB - SITE 6
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMITS ¹	FEDERAL MCL ²	NY STATE DWQS ³	SAMPLE NUMBERS							
				TW-1	TW-2	TW-3	TW-4	TW-5	TW-6	TW-7	TW-8
VOCs (ug/L)											
1,3,5-Trimethylbenzene	1	NA	5	ND	1.33	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1	70	5	1.86	ND	ND	ND	ND	ND	6.87	ND
Tetrachloroethene	1	NA	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1	5	5	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	2	1.04	ND	ND	ND	ND	ND	ND	ND

ANALYTE	DETECTION LIMITS ¹	FEDERAL MCL ²	NY STATE DWQS ³	SAMPLE NUMBERS							
				TW-9	TW-10	TW-11	TW-12	TW-13	TW-14	TW-15	TW-16
VOCs (ug/L)											
1,3,5-Trimethylbenzene	1	NA	5	ND	ND	NS	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1	70	5	50.1	ND	NS	34.2	ND	ND	1.14	ND
Tetrachloroethene	1	NA	5	3.3	ND	NS	ND	ND	ND	4.71	ND
Trichloroethene	1	5	5	1.14	ND	NS	2.72	ND	ND	ND	ND
Vinyl Chloride	1	2	2	1.01	ND	NS	ND	ND	ND	ND	ND

ABBREVIATIONS:

ug/L - micrograms per liter

DWQS - Drinking Water Quality Stds.

MCL - Maximum Contaminant Level

MW - Monitoring Well

NA - Not Applicable

ND - Not Detected

NS - Not Sampled

NYSEDEC - New York State Dept. of Environmental Conservation

TW - Temporary Well

VOCs - Volatile Organic Compounds

NOTES:

1) Contract Required Detection Limit for Organics (CDRL)

2) US EPA Drinking Water Regulations and Health Advisories EPA 822-R-007, May 1994.

3) NYSEDEC Water Quality Standards and Guidance Values, June 1998. Samples screened only for the compounds listed.

4) 6MW-3 is a permanent groundwater monitoring well which was sampled for GC screening.

*Temporary Well-11 was not sampled.

DATA QUALIFIERS:

192 Indicates concentration that exceeds State or Federal regulatory limits.

TABLE 3-2
GROUND WATER SAMPLING RESULTS - FIRST ROUND
SITE 6
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	FEDERAL MCL ²	NY STATE DWQS ³	BACKGROUND CONC. ⁴	SAMPLE NUMBERS								
					6MW-03		6MW-08		6MW-09		6MW-19 ⁵		
VOCs (ug/kg)													
Tetrachloroethene	1	5	5	1	U	1	U	1	U	1	J	1.2	
cis-1,2-Dichloroethene	1	70	5 ^a	1	U	120	J	1	U	1	U	1	U
trans-1,2-Dichloroethene	1	100	5 ^a	1	U	0.7	J	1	U	1	U	1	U
Trichloroethene	1	5	5 ^a	1	U	1.4		1	U	1	U	1	U
Vinyl Chloride	1	2	2	1	U	16		1	U	1	U	1	U
Methylene Chloride	1	NA	5 ^a	1	U	1	U	1	U	1	U	1	U
Toluene	1	1,000	5 ^a	1	U	1	U	1	U	1	U	1	U
SVOCs (ug/L)													
bis (2-Ethylhexyl) phthalate	10	NA	5	12		11	U	10	U	10	U	10	U
Diethylphthalate	10	NA	NA	10	U	11	U	10	U	10	J	10	U
Di-n-butylphthalate	10	NA	50	1	J	11	U	10	U	10	U	10	U
2-Methylphenol	10	NA	NA	10	U	11	U	10	U	1	J	10	U
Naphthalene	10	NA	10	10	U	11	U	10	U	3	J	10	U
2-Methylnaphthalene	10	NA	4.7 ^c	10	U	11	U	10	U	35	J	10	UJ
Acenaphthene	10	NA	20	10	U	11	U	10	U	40	J	10	U
Dibenzofuran	10	NA	NA	10	U	11	U	10	U	30	J	10	U
Fluorene	10	NA	50 ^c	10	U	11	U	10	U	18	J	10	UJ
Phenanthrene	10	NA	50 ^c	10	U	11	U	10	U	8	J	10	U
Anthracene	10	NA	50 ^c	10	U	11	U	10	U	2	J	10	U
Phenol	10	NA	1 ^a	10	U	10	U	10	U	10	U	10	U
2,4-Dinitrophenol	10	NA	10 ^c / 1 ^a	10	U	10	U	10	U	10	U	10	U
4-Nitrophenol	10	NA	1 ^a	10	U	10	U	10	U	10	U	10	U
PEST/PCBs (ug/L)													
4,4'-DDD	0.1	NA	0.3	0.1	U	0.01	U	0.01	U	0.01	U	0.01	U
4,4'-DDT	0.1	NA	0.2	0.1	U	0.01	U	0.01	U	0.01	U	0.01	U
HERBICIDES (ug/L)													
2,4,5-TP (Silvex)	0.5	50	NA	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ
Pentachlorophenol (PCP)	0.1	1	1 ^a	0.1	R	0.1		0.1	R	0.1	R	0.1	R
Dinoseb	0.1	7	1 ^a	0.1	UJ	0.1		0.1	UJ	0.1	UJ	0.1	UJ
Picloram	0.04	500	50	0.04	UJ	0.05	J	0.04	UJ	0.04	UJ	0.04	UJ
2,4-D	0.05	70	50	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
CYANIDE, Total (mg/L)	10	200	200	10	U	0.01	U	10	U	10	U	10	U
PROPYLENE, GLYCOL (mg/L)	1	NA	NA	1	U	1	U	1	U	1	U	1	U
DISSOLVED INORGANICS (ug/L)													
Aluminum	200	NA	NA	10.2	UJ	200	U	10.2	UJ	15.9	J	10.2	UJ
Antimony	2.8	6	3	2.6	UJ	6	U	5.9	U	2.8	U	2.4	U
Arsenic	10	50	25	2.6	UJ	1.7	U	6.4	U	5	U	5.4	U
Barium	200	2,000	1,000	78.8	J	154	J	80.8	J	167	J	162	J
Beryllium	5	4	3 ^c	0.4	J	0.2	U	0.1	U	0.1	U	0.1	U
Cadmium	5	5	5	0.4	J	0.3	U	0.2	U	0.2	U	0.2	U
Calcium	5,000	NA	NA	71,900		133,000	J	126,000		92,700		95,900	
Chromium	10	100	50	14		0.5	U	0.6	U	0.6	U	0.6	U
Cobalt	50	NA	5	0.6	U	0.8	U	0.7	J	0.6	U	0.6	U
Copper	25	1,300	200	0.5	UJ	2.7	U	0.5	UJ	0.5	UJ	0.5	UJ
Iron	100	NA	300	1.3	U	12.7	B	1.3	U	1.3	U	1.3	U
Lead	3	15	25	1.1	U	3	UJ	2.9	J	1.1	U	1.1	U
Magnesium	5,000	NA	35,000 ^c	18,600	J	32,200	J	51,700	J	35,600	J	36,600	J
Manganese	15	NA	300	85	J	15	U	684	J	528	J	533	J
Nickel	40	100	100	3.8	J	3.1	U	6	BJ	2	J	1.7	J
Potassium	5,000	NA	NA	3,360	J	10,900	J	6,830	J	9,270	J	9,590	J
Silver	10	NA	50	10	U	10	UJ	10	U	10	U	10	U
Sodium	5,000	NA	20,000	6,870	J	55,600	J	66,500	J	68,000	J	63,600	J
Thallium	10	2	0.5 ^c	1.1	U	10	U	1.1	U	1.1	U	1.1	U
Vanadium	50	NA	NA	1.2	U	50	U	1.2	U	1.2	U	1.2	U
Zinc	20	NA	2000 ^c	9.2	J	20	U	4.4	J	1	J	2.4	J

TABLE 3-2 (Cont.)
GROUND WATER SAMPLING RESULTS - FIRST ROUND
SITE 6
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	FEDERAL MCL ²	NY STATE DWQS ³	BACKGROUND CONC. ⁴	SAMPLE NUMBERS								
					6MW-03		6MW-08		6MW-09		6MW-19 ⁵		
TOTAL INORGANICS (ug/L)													
Aluminum	200	NA	NA	7,050	J	107	J	3,280	J	4,620	J	6,830	J
Antimony	2.3	6	3	2.3	U	6	U	2.3	U	3.5	U	2.3	U
Arsenic	10	50	25	6.8	U	7.3	U	2.2	U	3	U	7.9	U
Barium	200	2,000	1,000	198	J	143	J	141	J	200		224	
Beryllium	5	4	3 ^c	0.4	J	0.2	U	0.1	U	0.2	J	0.9	J
Cadmium	5	5	5	0.4	J	0.3	U	0.1	U	0.2	J	0.9	J
Calcium	5,000	NA	NA	71,800		110,000	J	120,000		93,200		94,100	
Chromium	10	100	50	14		10	U	4.3	U	8.9	J	15.5	
Cobalt	50	NA	5	8.8	J	1.2	U	3	J	3.7	J	6.2	J
Copper	25	1,300	200	13.6	J	4.8	U	5.8	J	8.7	J	19.8	J
Iron	100	NA	300	15,200		386	J	5,900		9,910	J	15,700	J
Lead	3	15	25	6.7	J	3	UJ	5.2	J	7.7	J	9.7	J
Magnesium	5,000	NA	35,000 ^c	21,000		27,600	J	48,300		36,600		37,700	
Manganese	15	NA	300	607		866		676		606		612	
Nickel	40	100	100	20.4	J	4.1	J	10.7	J	11.3	J	16.7	J
Potassium	5,000	NA	NA	4,680	J	9,200	J	5,530	J	6,840	J	7,350	J
Silver	10	NA	50	ND		10	UJ	10	U	10	U	10	U
Sodium	5,000	NA	20,000	8,190		37,600	J	67,100		63,200		65,000	
Thallium	10	2	0.5 ^c	10	U	4.2	J	10	U	10	U	10	U
Vanadium	50	NA	NA	17.4	J	0.8	J	7.1	J	11.6	J	17.5	J
Zinc	20	NA	2000	62.1		9.9	J	66.6		29.8	J	45.9	J

ABBREVIATIONS:

ug/L - micrograms per liter
mg/L - milligrams per liter
DWQS - Drinking Water Quality Stds.
IDL - Instrument Detection Limit
MCL - Maximum Contaminant Level
NA - Not Applicable
NYSDEC - New York State Dept. of
Environmental Conservation
PCBs - Polychlorinated Biphenyls
SVOCs - Semi-Volatile Organic Compounds

NOTES:

- 1) Contract Required Detection Limit (CRDL)
- 2) US EPA Drinking Water Regulations and Health Advisories
EPA 822-R-007, May 1994.
- 3) NYSDEC Water Quality Standards and Guidance Values, June
1998. Unless otherwise noted, the value listed is the State promulgated
standard for the protection of drinking water from a groundwater
- 4) Background sample collected from 6MW-10
- 5) 6MW-19 is a duplicate sample of 6MW-9
 - a) The value listed is a guidance for the protection of drinking
water from a groundwater source.
 - b) The value listed represents the maximum allowable
concentration of phenolic compounds. Sum of all phenolic
compounds may not exceed 1.0 ppb.
 - c) The value listed is a guidance for the protection of drinking
water from a groundwater source.
 - d) The value listed represents the maximum allowable
concentration of phenolic compounds. Total phenolic compounds
may not exceed 1.0 ppb.

DATA QUALIFIERS:

- B - Value is less than CRDL but greater
than IDL.
- J - The analyte was positively identified;
the associated value is the approx.
concentration of analyte in the sample
- R - The analyte was rejected due to inability
to meet quality control criteria.
- U - Compound was analyzed for, but
not detected
- UJ - The analyte was not detected above
the reported sample quantitation limit.
However the reported quantitation limit
is approximate and may or may not
precisely measure the analyte of the
sample.
- 107 Indicates concentration that
exceeds either State or Federal
regulatory limits.

TABLE 3-3
GROUND WATER SAMPLING RESULTS - SECOND ROUND
SITE 6
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	FEDERAL MCL ²	NY STATE DWQS ³	BACKGROUND CONC. ⁴	SAMPLE NUMBERS			
					6MW-03	6MW-08	6MW-09	6MW-29 ⁵
VOCs (ug/kg)								
cis-1,2-Dichloroethene	1	70	5 ^a	1 U	34	1 U	19	18
trans-1,2-Dichloroethene	1	100	5 ^a	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1	5	5 ^a	1 U	0.6 J	1 U	1.8	1.6 U
Vinyl Chloride	1	2	2	1 U	2.7 J	1 U	1 U	1 U
Methylene Chloride	1	NA	5 ^a	1 U	1 U	1 U	1 U	1 U
Toluene	1	1,000	5 ^a	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1	5	5 ^a	1 U	1 U	1 U	16	15
SVOCs (ug/L)								
Phenol	10	NA	1 ^c	10 U	10 U	9 J	2 J	10 U
2,4-Dinitrophenol	10	NA	10 ^c / 1 ^c	10 U	10 U	11 U	26 UJ	25 UJ
Diethylphthalate	11	NA	NA	10 U	11 U	10 U	10 U	10 U
4-Nitrophenol	10	NA	1 ^c	10 U	10 U	26 UJ	26 UJ	25 UJ
Di-n-butylphthalate	10	NA	50	1 J	11 U	11 U	11 U	10 U
bis (2-Ethylhexyl) phthalate	10	NA	5	12	11 U	1 J	11 U	1 J
Naphthalene	10	NA	10	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10	NA	4.7 ^c	10 U	10 U	10 U	10 U	10 U
Acenaphthene	10	NA	20	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10	NA	NA	10 U	10 U	10 U	10 U	10 U
Fluorene	10	NA	50 ^c	10 U	10 U	10 U	10 U	10 U
Phenanthrene	10	NA	50 ^c	10 U	10 U	10 U	10 U	10 U
Anthracene	10	NA	50 ^c	10 U	10 U	10 U	10 U	10 U
PEST/PCBs (ug/L)								
4,4'-DDD	0.1	NA	0.3	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1	NA	0.2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HERBICIDES (ug/L)								
2,4,5-TP (Silvex)	0.5	NA	NA	0.05 UJ	0.1 U	0.05 UJ	0.05 UJ	0.05 UJ
Pentachlorophenol (PCP)	0.1	1	1 ^c	0.1 R	0.1 U	0.1 R	0.1 R	0.1 R
Dinoseb	0.1	7	1 ^a	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Picloram	0.04	500	50	0.04 UJ	0.04 U	0.04 UJ	0.04 UJ	0.04 UJ
2,4-D	0.05	70	50	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
CYANIDE, Total (mg/L)	10	200	200	10 U	0.01 UJ	10 U	10 U	10 U
PROPYLENE, GLYCOL (mg/L)	1	NA	NA	1 U	1 U	1 U	1 U	1 U
DISSOLVED INORGANICS (ug/L)								
Aluminum	200	NA	NA	10.2 UJ	9.5 U	40.8 J	19.2 U	56.2 J
Antimony	6	6	3	2.6 UJ	1.6 UJ	6 U	6 U	6 U
Arsenic	10	50	25	2.6 UJ	4.9 U	10 U	10 U	10 U
Barium	200	2,000	1,000	78.8 J	147 J	75.2 J	145 J	152 J
Beryllium	5	4	3 ^c	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U
Cadmium	5	5	5	0.2 U	0.3 U	0.3 U	0.4 U	0.3 U
Calcium	5,000	NA	NA	71,900	174,000 J	113,300	120,000	124,000
Cobalt	50	NA	5	0.6 U	1.1 U	1.3 J	1.3 U	1.3 U
Copper	25	1,300	200	0.5 UJ	0.5 U	1.5 J	1.2 J	2.1 J
Iron	100	NA	300	1.3 U	8.9 U	ND	ND	ND
Lead	3	15	25	1.1 U	1.5 U	ND	ND	ND
Magnesium	5,000	NA	35,000 ^c	18,600 J	37,600 J	43,000 J	37,500	38,600
Manganese	15	NA	300	85 J	1,080 J	627	659 J	623
Potassium	5,000	NA	NA	3,360 J	7,820	2,470 J	6,840	6,830
Silver	10	NA	50	10 U	3.8 UJ	ND	ND	ND
Sodium	5,000	NA	20,000	6,870 J	63,400 J	86,300 J	76,500	79,400 J
Thallium	10	2	0.5 ^c	1.1 U	1.5 U	3.9 UJ	4.6 J	3.9 UJ
Vanadium	50	NA	NA	1.2 U	0.4 U	ND	ND	ND
Zinc	20	NA	2,000 ^c	9.2 J	4.6 U	7.2 J	24.5	31.7

TABLE 3-3 (Cont.)
GROUND WATER SAMPLING RESULTS - SECOND ROUND
SITE 6
SHCENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	FEDERAL MCL ²	NY STATE DWQS ³	BACKGROUND CONC. ⁴	SAMPLE NUMBERS						
					6MW-03	6MW-08	6MW-09	6MW-29 ⁵			
TOTAL INORGANICS (ug/L)											
Aluminum	200	NA	NA	7,050	UJ	927	799	96.8	J	109	J
Antimony	6	6	3	2.3	U	1.6	UJ	6	U	6	U
Arsenic	10	50	25	6.8	U	3.4	J	ND		ND	
Barium	200	2,000	1,000	198	J	146	B	7.9	J	160	J
Beryllium	5	4	3 ^c	0.4	J	0.2	U	5	U	5	U
Cadmium	5	5	5	0.4	J	0.3	U	5	U	5	U
Calcium	5,000	NA	NA	71,800		143,000		103,200		122,000	
Chromium	10	100	50	14		1.1		10	U	10	U
Cobalt	50	NA	5	8.8	J	1.6		2.2	J	1.3	U
Copper	25	1,300	200	13.6	J	3	J	3.4	J	2.4	J
Iron	100	NA	300	15,200		2,160		1,490		309	
Lead	3	15	25	6.7	J	2		3	U	3	U
Magnesium	5,000	NA	35,000 ^c	21,000	J	32,600		39,500	J	38,300	
Manganese	15	NA	300	607	J	1,300		599		650	
Nickel	40	100	100	20.4	J	5.1	J	3.9	U	3.1	U
Potassium	5,000	NA	NA	4,680	J	7,180		2,610	J	6,890	
Selenium	5	50	10	5	U	5	U	2.4	UJ	2.4	UJ
Silver	10	NA	50	10	U	3.8	UJ	10	U	10	U
Sodium	5,000	NA	20,000	8,190		48,400	J	112,000	J	81,300	J
Thallium	10	2	0.5 ^c	10	U	1.5	U	3.9	UJ	6.3	J
Vanadium	50	NA	NA	17.4	J	2.9	J	1.9	J	1.1	U
Zinc	20	NA	2,000	62.1		71	U	18.7	J	27.8	J

ABBREVIATIONS:

ug/L - micrograms per liter
mg/L - milligrams per liter
CRDL - Contract Required Detection Limit
DWQS - Drinking Water Quality Stds.
IDL - Instrument Detection Limit
MCL - Maximum Contaminant Level
NA - Not Applicable
NYSDEC - New York State Dept. of
Environmental Conservation
PCBs - Polychlorinated Biphenyls
SVOCs - Semi-Volatile Organic Compounds
VOCs - Volatile Organic Compounds

NOTES:

- 1) Contract Required Detection Limit (CRDL)
- 2) US EPA Drinking Water Regulations and Health Advisories
EPA 822-R-007, May 1994.
- 3) NYSDEC Water Quality Standards and Guidance Values, June 1998. Unless otherwise noted, the value listed is the State promulgated standard for the protection of drinking water from a
- 4) Background sample collected from 6MW-10
- 5) 6MW-29 is a duplicate sample of 6MW-09
 - a) The value listed is the NYSDEC standard for the protection of drinking water from a surface water source. The value listed is also the groundwater standard through reference as a Principal Organic Contaminant (POC).
 - b) The value listed is the Principal Organic Contaminant (POC) standard for the protection of drinking water from a groundwater source.
 - c) The value listed is a guidance for the protection of drinking water from a groundwater source.
 - d) The value listed represents the maximum allowable concentration of phenolic compounds. Total phenolic compounds may not exceed 1.0 ppb.

DATA QUALIFIERS:

B - Value is less than CRDL but greater than IDL.
J - The analyte was positively identified; the associated value is the approx. concentration of analyte in the sample
R - The analyte was rejected due to inability to meet quality control criteria.
U - Compound was analyzed for, but not detected
UJ - The analyte was not detected above the reported sample quantitation limit. However the reported quantitation limit is approximate and may or may not precisely measure the analyte of the sample.
107 Indicates concentration that exceeds either State or Federal regulatory limits.

Inorganics. Several inorganic constituents were reported in exceedance of the NYSDEC groundwater standards and the Site 6 groundwater background. These inorganics included the essential nutrient elements magnesium, manganese and sodium; and thallium. The concentration of thallium detected in the Site 6 groundwater slightly exceeded the NYSDEC guidance value of 0.5 µg/L. A promulgated NYSDEC groundwater standard for thallium is not currently available.

3.3.1.3 RI Soil Sampling GC Screening Results

At soil boring locations SB-1, SB-2, SB-4, SB-5, SB-7, and SB-9, samples were collected and sent to an off-site laboratory for GC screening analysis for VOCs using EPA Method 8021. A sample was also collected from the location of TW-2. Screening results are presented in Table 3-4. A summary of the screening results are as follows:

- SB-1, collected from 8 to 8.6 feet bgs, contained the heavy-end gasoline fuel components 1,2,4-trimethylbenzene (828 µg/Kg); 1,3,5-trimethylbenzene (254 µg/Kg); 4-isopropyltoluene (2200 µg/Kg); isopropylbenzene (468 µg/Kg); n-butylbenzene (252 µg/Kg); n-propylbenzene (180 µg/Kg); sec-butylbenzene (1980 µg/Kg); and tert-butylbenzene (441 µg/Kg). Additionally, the chlorinated VOCs cis-1,2-DCE (2600 µg/Kg) and TCE (2940 µg/Kg) were also detected. TCE was in exceedance of the NYSDEC cleanup concentration of 700 µg/Kg.
- SB-2, collected from 4 to 6 feet bgs, contained PCE at 140,000 µg/Kg. This exceeds the NYSDEC cleanup concentration of 1,400 µg/Kg.
- SB-4, collected from 4 to 4.7 feet bgs, contained PCE at 8480 µg/Kg. This exceeds the NYSDEC cleanup concentration of 1,400 µg/Kg.
- SB-5, collected from 3.4 to 4 feet bgs, contained PCE at 217 µg/Kg.
- SB-9, collected from 4 to 6 feet bgs, contained TCE at 32.2 µg/Kg.
- SB-7, collected from 5 to 6 feet bgs, was nondetect for all of the previously identified contaminants, at a practical quantitation limit (PQL) of 27.7 µg/Kg.

Sample TW-2, collected from 3.5 to 4 feet bgs, contained 1,2,4-trimethylbenzene (3310 µg/Kg); 1,3,5-trimethylbenzene (2900 µg/Kg); 4-isopropyltoluene (1630 µg/Kg); ethylbenzene (622 µg/Kg); isopropylbenzene (3900 µg/Kg); n-butylbenzene (604 µg/Kg); n-propylbenzene (1220 µg/Kg); sec-butylbenzene (785 µg/Kg); tert-butylbenzene (491 µg/Kg); and total xylenes (1668 µg/Kg). The xylene result was the only VOC detected in exceedance of NYSDEC cleanup concentrations. These above listed compounds are typical heavy-end, gasoline fuel components.

3.3.1.4 RI Soil Sampling Analytical Results

A total of ten soil samples were collected from various soil borings and submitted for laboratory analysis for VOCs, SVOCs, Pest/PCBs, herbicides, total cyanide, and TAL metals. The analytical results are presented in Table 3-5. A summary of the analytical findings is presented below:

TABLE 3-4
SOIL BORING SAMPLE RESULTS
GC SCREENING
SCHENECTADY ANGB - SITE 6
SCOTIA, NEW YORK

ANALYTE	BKGRND CONC.	NYSDEC CLEANUP CONC. ¹	SAMPLE NUMBERS / SAMPLE INTERVALS										
			SB-1 8-8.6'	SB-2 4-6'	SB-3	TW-2 ² 3.5-4'	SB-4 4.4-4.7'	SB-5 3.4-4'	SB-6 5-6'	SB-7 5-6'	SB-8	SB-9 4-5'	SB-10
VOCs (ug/kg)													
1,2,4-Trimethylbenzene	ND	NA	828	ND	NS	3,310	ND	ND	NS	ND	NS	ND	NS
1,3,5-Trimethylbenzene	ND	NA	254	ND	NS	2,900	ND	ND	NS	ND	NS	ND	NS
4-Isopropyltoluene	ND	NA	2,200	ND	NS	1,630	ND	ND	NS	ND	NS	ND	NS
cis-1,2-Dichloroethene	ND	NA	2,600	ND	NS	ND	ND	ND	NS	ND	NS	ND	NS
Ethylbenzene	ND	5,500	ND	ND	NS	622	ND	ND	NS	ND	NS	ND	NS
Isopropyl benzene	ND	NA	468	ND	NS	3,900	ND	ND	NS	ND	NS	ND	NS
m,p-Xylene	ND	1,200	ND	ND	NS	1,490	ND	ND	NS	ND	NS	ND	NS
n-Butylbenzene	ND	NA	252	ND	NS	604	ND	ND	NS	ND	NS	ND	NS
n-Propylbenzene	ND	NA	180	ND	NS	1,220	ND	ND	NS	ND	NS	ND	NS
O Xylene	ND	NA	ND	ND	NS	178	ND	ND	NS	ND	NS	ND	NS
sec-Butylbenzene	ND	NA	1,980	ND	NS	785	ND	ND	NS	ND	NS	ND	NS
tert-Butylbenzene	ND	NA	441	ND	NS	491	ND	ND	NS	ND	NS	ND	NS
Tetrachloroethene	ND	1,400	ND	40,000	NS	ND	8,480	217	NS	ND	NS	ND	NS
Trichloroethene	ND	700	2,940	ND	NS	ND	ND	ND	NS	ND	NS	32.2	NS

ABBREVIATIONS:

ug/kg - micrograms per kilogram
MCL - Maximum Contaminant Level
MW - Monitoring Well
NA - Not Applicable
ND - Not Detected
NS - Not Sampled
NYSDEC - New York State Dept. of Environmental Conservation
SB - Soil Boring
TOC - Total Organic Carbon
TW - Temporary Well
VOCs - Volatile Organic Compounds

NOTES:

- 1) NYSDEC TAGM HWR-94-4046 January 24, 1994, adjusted for TOC content.
- 2) TW-2 represents a soil sample collected during installation of a temporary well.

DATA QUALIFIERS:

Indicates concentration that exceeds State regulatory limits.

**TABLE 3-5
SOIL SAMPLE RESULTS
SCHENECTADY ANGB - SITE 6
SCOTIA, NEW YORK**

ANALYTE	DETECTION LIMIT ¹	BCKGRND CONC.	NYSDEC CLEANUP CONC. ²	SAMPLE NUMBERS									
				SB-2 4-6'		TW-2 3-4'		TW-22 3-4'		SB-11 2-4'		SB-12 2-4'	
VOCs (ug/kg)													
cis-1,2-Dichloroethene	6	ND	NA	17		6	U	6	U	1	U	200	J
tert-Butylbenzene	6	ND	NA	6	U	6	U	12		1	U	1	U
Trichloroethene	6	ND	700*	14		6	U	1	U	1	U	95	
Ethylbenzene	6	ND	5,500*	6	U	10	J	17	J	1	U	1	U
Isopropyl benzene	6	ND	NA	6	U	69	J	150	J	1	U	1	U
4-Isopropyltoluene	6	ND	NA	6	U	52	J	140	J	1	U	1	U
n-Propylbenzene	6	ND	NA	6	U	84	J	220	J	1	U	1	U
1,1,1,2-Tetrachloroethane	6	ND	NA	7.1		6	U	5.6	U	1	U	1	U
1,3,5-Trimethylbenzene	6	ND	NA	6	U	110	J	380	J	1	U	1	U
1,2,4-Trimethylbenzene	6	ND	NA	6	U	170	J	600	J	1	U	1	U
Tetrachloroethene	6	ND	1,400*	8,600	J	7	J	6	UJ	4	U	520	J
m,p-Xylene	6	ND	1,200*	6	U	49	J	140	J	1	U	1	U
trans-1,2-Dichlorofluoromethane	1	ND	NA	6	U	6	U	6	U	1	U	6.2	
Toluene	1	5.4	1,500*	6	U	6	U	6	U	1	U	1.4	J
Trichlorofluoromethane	1	ND	NA	6	U	6	U	6	U	1	UJ	1	U
SVOCs (ug/kg)													
Fluoranthene	390	340	50,000**	390	U	44	J	68	J	38	J	390	U
Benzo (b) fluoranthene	390	330	1100	390	UJ	390	UJ	370	UJ	370	U	390	U
2,2'oxibis (1 Chloropane)	390	ND	NA	390	UJ	390	UJ	370	UJ	370	U	390	U
Pentachlorophenol	980	ND	1,000 or MDL	980	R	970	R	930	R	940	U	970	U
n-Nitrosodimethylamine	390	330	NA	390	UJ	390	UJ	370	UJ	370	U	390	U
Pyrene	390	ND	50,000**	390	U	390	UJ	55	J	41	J	390	U
2-Methylnaphthalene	390	ND	36,400	390	U	88	J	370	U	370	U	390	U
Naphthalene	390	ND	13,000	390	U	110	J	370	UJ	370	U	390	U
Hexachlorocyclopentadiene	390	ND	NA	390	UJ	390	UJ	370	U	370	UJ	390	UJ
2,4-Dinitrophenol	390	ND	NA	390	U	390	U	370	U	940	UJ	970	UJ
bis (2-Ethylhexyl) phthalate	390	ND	50,000**	390	U	390	U	370	U	370	U	110	J
Benzo (a) anthracene	390	180	224 or MDL	390	U	390	U	370	U	370	U	390	U
Chrysene	390	250	400	390	U	390	U	370	U	370	U	390	U
Benzo (a) pyrene	390	210	61 or MDL	390	U	390	U	370	U	370	U	390	U
PEST/PCBs (ug/kg)													
4,4'-DDD	3.9	6	2,100	3.9	U	3.9	U	3.7	U	3.8	U	3.9	U
4,4'-DDT	3.7	3	2,100	3.9	U	3.9	U	3.7	U	3.8	U	3.9	U
HERBICIDES (ug/kg)													
2,4-D	0.6	ND	500	0.58	R	0.58	R	0.56	R	0.6	R	0.6	R
2,4,5-TP (Silvex)	0.6	0.24	700	0.58	UJ	0.58	U	0.56	U	0.6	UJ	0.6	UJ
Dinoseb	1.1	ND	NA	1.2	UJ	1.2	U	1.1	U	1.1	R	1.2	R
Picloram	0.5	ND	NA	0.47	UJ	0.46	UJ	0.44	UJ	0.4	UJ	0.5	UJ
CYANIDE, Total (mg/kg)													
	0.5	ND	ND	ND		ND		ND		ND		ND	
INORGANICS (mg/kg)													
Aluminum	200	15,321	SB	14,200		14,200	J	18,800	J	13,100	J	10,200	J
Antimony	60	17	SB	1.1	U	0.5	U	1	U	2.7	U	1.4	U
Arsenic	2	8	7.5 or SB	16.4	J	7.6	J	6.8	J	11.2		5.4	
Barium	200	97	300 or SB	115		90.3	J	156	J	75.4	J	66.2	J
Beryllium	1	0.81	.16 or SB	0.9	J	0.6	J	1	J	0.7	J	0.5	J
Cadmium	1	ND	1 or SB	1.1	J	0.7	J	0.7	J	0.2	J	0.3	J
Calcium	5,000	11,383	SB	2,070	J	3,360		1,840		2,860	J	5,060	J
Chromium	2	23	10 or SB	24.5		16.7		21.6		17.7		14	
Cobalt	50	16	30 or SB	25.9		11.6	J	13.8	J	14.2	J	9	J
Copper	25	42	25 or SB	48		24.5		24		32.2		21.1	
Iron	100	33,876	2,000 or SB	40,500		23,200		31,800		30,800	J	19,000	J
Lead	3	45	SB	25.6	J	15.9	J	10	J	20.2		12.3	
Magnesium	5,000	8,120	SB	6,690		4,420		4,990		4,600		4,480	J
Manganese	15	855	SB	885		464		363		535	J	205	J
Nickel	40	29	13 or SB	59.7		21.4		24.6		30	J	18.9	
Potassium	5,000	1,930	SB	2,280	B	1,370	J	1,910	J	1,760	J	1,590	
Silver	2	ND	SB	0.6		0.6	U	0.7	U	1.3	J	1	J
Sodium	5,000	380	SB	232		192	U	39.3	U	67	U	66	U
Thallium	10	ND	SB	0.5		1.1	U	0.5	U	1.8	U	0.9	U
Vanadium	50	30	150 or SB	25.2		21.9		32.8		28		20.9	
Zinc	20	116	20 or SB	132		75.2		75.4		75.35	J	56.3	J

TABLE 3-5 (Cont.)
SOIL SAMPLE RESULTS
SCHENECTADY ANGB - SITE 6
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	BCKGRND CONC.	NYSDEC CLEANUP	SAMPLE NUMBERS									
				SB-13		SB-14		SB-15		SB-55 ⁴		SB-16	
VOCs (ug/kg)													
cis-1,2-Dichloroethene	6	ND	NA	1	U	1	U	1	U	1	U	1	U
tert-Butylbenzene	6	ND	NA	1	U	1	U	1	U	1	U	1	U
Trichloroethene	6	ND	700*	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	6	ND	5,500*	1	U	1	U	1	U	1	U	1	U
Isopropyl benzene	6	ND	NA	1	U	1	U	1	U	1	U	1	U
4-Isopropyltoluene	6	ND	NA	1	U	1	U	1	U	1	U	1	U
n-Propylbenzene	6	ND	NA	1	U	1	U	1	U	1	U	1	U
1,1,1,2-Tetrachloroethane	6	ND	NA	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	6	ND	NA	1	U	1	U	1	U	1	U	1	U
1,2,4-Trimethylbenzene	6	ND	NA	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	6	ND	1,400*	1	U	1	U	1	U	1	U	1	U
m,p-Xylene	6	ND	1,200*	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichlorofluoromethane	1	ND	NA	1	U	1	U	1	U	1	U	1	U
Toluene	1	5.4	1,500*	1	U	1	U	1	U	0.8	U	1	U
Trichlorofluoromethane	1	ND	NA	1	U	1	U	1	U	1	U	1	U
SVOCs (ug/kg)													
Fluoranthene	390	340	50,000**	410	U	390	U	60	J	410	U	94	J
Benzo (b) fluoranthene	390	330	1,100	410	U	390	U	55	J	410	U	78	J
2,2'oxibis (1 Chloropane)	390	ND	NA	410	U	390	U	370	U	410	U	390	U
Pentachlorophenol	980	ND	1,000 or MDL	1,000	U	970	U	920	U	1,000	U	970	U
n-Nitrosodimethylamine	390	330	NA	410	U	390	U	370	U	410	U	390	U
Pyrene	390	ND	50,000**	410	U	48	J	70	J	410	U	98	J
2-Methylnaphthalene	390	ND	36,400	410	U	390	U	370	U	410	U	390	U
Naphthalene	390	ND	13,000	410	U	390	U	370	U	410	U	390	U
Hexachlorocyclopentadiene	390	ND	NA	410	UJ	390	U	370	U	410	U	390	U
2,4-Dinitrophenol	390	ND	NA	1,000	U	390	U	920	U	1,000	UJ	390	U
bis (2-Ethylhexyl) phthalate	390	ND	50,000**	410	U	390	U	370	UJ	410	U	390	U
Benzo (a) anthracene	390	180	224 or MDL	410	U	54	J	370	U	410	U	45	J
Chrysene	390	250	400	410	U	390	U	370	U	410	U	47	J
Benzo (a) pyrene	390	210	61 or MDL	410	U	39	J	40	J	410	U	52	J
PEST/PCBs (ug/kg)													
4,4'-DDD	3.9	6	2,100	4	U	0.7	U	2.8	J	2.1	U	3.9	U
4,4'-DDT	3.7	3	2,100	4	U	3.9	U	0.9	J	4.1	U	3.9	U
HERBICIDES (ug/kg)													
2,4-D	0.6	ND	500	0.6	R	0.6	R	0.5	R	0.6	R	0.6	R
2,4,5-TP (Silvex)	0.6	0.24	700	0.6	UJ	0.6	UJ	0.5	UJ	0.6	R	0.6	UJ
Pentachlorophenol (P CP)	1.1	ND	1,000 or MDL	1.2	R	1.2	R	1.1	R	1.2	R	1.2	R
Dinoseb	1.1	ND	NA	1.2	R	1.2	R	1.1	R	1.2	R	1.2	R
Picloram	0.5	ND	NA	0.5	UJ	0.5	UJ	0.4	UJ	0.5	UJ	0.5	UJ
CYANIDE, Total (mg/kg)													
	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
INORGANICS (mg/kg)													
Aluminum	200	15,321	SB	14,600	J	14,000	J	17,400	J	17,800	J	11,000	J
Antimony	60	17	SB	2.9	U	2.8	U	2.6	U	2.9	U	1.4	U
Arsenic	2	8	7.5 or SB	8	J	10.4	J	18.7	J	9.2	J	6.2	J
Barium	200	97	300 or SB	93.6	J	65.5	J	116	J	124	J	80	J
Beryllium	1	0.81	.16 or SB	0.8	J	0.7	J		J		J		J
Cadmium	1	ND	1 or SB	0.1	U	0.2	J	0.5	J	0.9	J	0.2	J
Calcium	5,000	11,383	SB	2,250	J	1,590	J	7,020	J	6,010	J	5,210	J
Chromium	2	23	10 or SB	17.4	J	21.8	J	19.4	J	22.5	J	13.5	J
Cobalt	50	16	30 or SB	9.5	J	15.6	J	9.4	J	10.6	J	10.2	J
Copper	25	42	25 or SB	24	J	31.7	J	22.8	J	24.2	J	20	J
Iron	100	33,876	2,000 or SB	27,900	J	24,000	J	32,100	J	33,600	J	22,200	J
Lead	3	45	SB	16.0	J	18.4	J	18.4	J	22.3	J	14.1	J
Magnesium	5,000	8,120	SB	3,940	J	5,930	J	6,440	J	5,610	J	3,870	J
Manganese	15	855	SB	421	J	661	J	418	J	551	J	522	J
Nickel	40	29	13 or SB	23.0	J	35	J	21.5	J	23.5	J	15.6	J
Potassium	5,000	1,930	SB	1,710	J	2,450	J	1,520	J	1,890	J	1,380	J
Silver	2	ND	SB	1.4	U	1.3	U	1.6	J	1.7	J	1	J
Sodium	5,000	380	SB	72.2	U	69.2	U	64	U	72	U	33.8	U
Thallium	10	ND	SB	1.9	U	1.8	U	1.7	U	1.9	U	0.9	U
Vanadium	50	30	150 or SB	29.8	J	25.7	J	35	J	38	J	24	J
Zinc	20	116	20 or SB	78.2	J	76.3	J	56	J	64.9	J	48	J

ABBREVIATIONS:

ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
DWQS - Drinking Water Quality Strds.
IDL - Instrument Detection Limit
MDL - Method Detection Limit
NA - Not Applicable
ND - Not Detected
NYSDEC - New York State Dept. of Environmental Conservation
PCBs - Polychlorinated Biphenyls
SB - Soil Boring
SVOCs - Semi-Volatile Organic Compounds
TAGM - Technical & Administrative Guidance Memo
VOCs - Volatile Organic Compounds

NOTES:

- Contract Required Detection Limit (CRDL)
- NYSDEC TAGM HWR-94-4046, Jan 24, 1994. Where applicable, the soil cleanup objectives were corrected for TOC levels. Where the GW based Soil Cleanup Objectives differed from the Recommended Soil Cleanup Objectives, the more stringent value was used.
- TW-22 is a duplicate sample of TW-2
- SB-55 is a duplicate sample of SB-15
- As per TAGM #4046, total VOCs < 10 ppm.
- As per TAGM #4046, total VOCs < 10 ppm, total SVOCs < 500 ppm, and individual SVOCs < 50 ppm must be maintained for the listed

DATA QUALIFIERS:

- B - Value is less than CRDL but greater than IDL.
J - The analyte was positively identified; the associated value is the approx. concentration of analyte in the sample
R - The analyte was rejected due to inability to meet quality control criteria.
U - Compound was analyzed for, but not detected
UJ - The analyte was not detected above the reported sample quantitation limit. However the reported quantitation limit is approximate and may or may not precisely measure the analyte of the sample.
1172 Indicates concentration that exceeds either State or Federal regulatory limits.

- SB-2. Sample collected from 4 to 6 feet bgs. VOCs detected included cis-1,2-DCE (17 µg/Kg); TCE (14 µg/Kg); 1,1,1,2-tetrachloroethane (7.1 µg/Kg); and PCE (8,600 µg/Kg), of which only PCE was in excess of the NYSDEC cleanup standard (1,400 µg/Kg). No significant VOC TICs were reported by the laboratory. No significant SVOCs were reported by the laboratory. Trace amounts of several polynuclear aromatic hydrocarbons (PAH) near the PQL were recorded. The laboratory did not report the presence of any pesticides, herbicides, PCBs or cyanides. Significant inorganics detected above the NYSDEC cleanup criteria included arsenic (16.4 mg/Kg), beryllium (0.9 mg/Kg), cadmium (1.1 mg/Kg), chromium (24.5 mg/Kg), cobalt (25.9 mg/Kg), copper (48.8 mg/Kg), nickel (59.7 mg/Kg) and zinc (132 mg/Kg). Iron (40,500 mg/Kg), manganese (888 mg/Kg), and potassium, (2,280 mg/Kg) were also detected above NYSDEC cleanup criteria.
- TW-2. Sample was collected from a depth of 3 to 4 feet bgs. A duplicate sample of TW-2, TW-22, was also collected from this same depth. Although no VOCs were detected above available background or NYSDEC cleanup standards, several heavy end petroleum related compounds were detected in TW-2 and TW-22 at elevated levels relative to the other sample results. N-propylbenzene (84 to 220 µg/Kg), 1,3,5-trimethylbenzene (110 to 380 µg/Kg) and 1,2,4-trimethylbenzene (170 to 600 µg/Kg) had the highest concentrations. Only two inorganics, aluminum, detected at 18,000 µg/Kg, and beryllium, detected at 1.0 µg/Kg, exceeded NYSDEC cleanup standards (15,321 µg/Kg and 0.81 µg/Kg, respectively). These were detected in the duplicate sample, TW-22. Although the sample results for the same compounds from TW-2 were comparable, they did not exceed either of these standards. The laboratory did not report the presence of any pesticides, herbicides, PCBs or cyanides.
- SB-11. Sample collected from 2 to 4 feet bgs. was found to be relatively free of organic contamination. No significant VOCs, SVOCs, pesticides, herbicides, PCBs, or cyanide were reported. Two inorganic compounds which only slightly exceeded NYSDEC cleanup criteria were arsenic at 11.2 mg/Kg and nickel at 30 mg/Kg. The cleanup standards for these two compounds are 8 mg/Kg and 29 mg/Kg, respectively.
- SB-12. Sample collected from 2 to 4 feet bgs. VOCs detected in this sample included cis-1,2-DCE (200 µg/Kg); trans-1,2-dichlorofluoromethane (6.2 µg/Kg); TCE (95 µg/Kg); PCE (520 µg/Kg); and toluene (1.4 µg/Kg), all of which are less than the NYSDEC cleanup standards. No significant VOCs TICs were reported by the laboratory, nor were there any SVOCs, pesticides, herbicides, PCBs, or cyanide reported. No inorganic compounds were detected above NYSDEC cleanup criteria.
- SB-13. Sample collected from 2 to 4 feet bgs. No significant VOCs, SVOCs, pesticides, herbicides, PCBs, or cyanide were reported. No inorganic compounds were detected above NYSDEC cleanup criteria.
- SB-14. Sample collected from 2 to 4 feet bgs. No significant VOCs, SVOCs, pesticides, herbicides, PCBs or cyanides were reported. Inorganics detected at concentrations slightly above the NYSDEC cleanup criteria included arsenic (10.4 mg/Kg), nickel (35 mg/Kg), and potassium (2,150 mg/Kg).
- SB-15. Sample collected from 2 to 4 feet bgs. No significant VOCs, SVOCs, pesticides,

herbicides, PCBs or cyanides were reported. A duplicate sample of SB-15, SB-55, was also collected from this same depth. Inorganics detected at concentrations slightly above the NYSDEC cleanup criteria included aluminum (17,400 mg/Kg), arsenic (8.7 mg/Kg), barium (116 mg/Kg), beryllium (1 mg/Kg), and vanadium (35 mg/Kg). Sample results from the duplicate sample, SB-55, were almost identical to the results from the original sample.

- SB-16. Sample collected from 2 to 4 feet bgs. No significant VOCs, SVOCs, pesticides, herbicides, PCBs or cyanides were reported. Of the inorganic compounds analyzed for, only beryllium, at 1.0 mg/Kg, was detected above the NYSDEC cleanup criteria of 0.81 mg/Kg.

3.3.1.5 Surficial Geology

The overburden material at Site 6 consists mainly of a brownish to dark gray inorganic clayey silt with some fine to medium sand. The material was dry and fairly loose but could be rolled into 1/4-inch threads when wet. The thickness of the overburden ranged from between four and eight feet bgs throughout the majority of the northern section of Site 6. Following surficial topography, the overburden becomes increasingly shallower towards the southern edge of the site.

3.3.1.6 Bedrock Geology

During the advancement of soil borings to facilitate the installation of groundwater monitoring wells at Site 6, bedrock was encountered at between four and eight feet bgs. Split spoon samples recovered from the point of refusal typically had 3 to 7 inches of fractured, weathered shale in the nose of the sampler. This shale was typically dark gray to bluish black and highly fractured. Due to the fact that the bedrock was highly fractured, rock coring or the use of a roller bit was not required. The borings were advanced with the use of hollow stem augers (HSA). The fractured shale was pulverized into a fine powder and brought to the surface as a fine powder. Boring logs are presented in Appendix D.

3.3.1.7 Hydrogeology

Groundwater at Site 6 was consistently encountered at depths ranging from 5 to 7 feet bgs. Groundwater flows along the overburden/bedrock interface and within the first few feet of the fractured, weathered bedrock. Hydraulic gradients were calculated for Site 6 using groundwater elevation data obtained from monitoring wells 6MW-08, 6MW-09, and 6MW-10 measured on May 17, 1999. Hydraulic gradients ranged from 0.03 ft/ft (measured between 6MW-08 and 6MW-09) to 0.42 ft/ft (measured between 6MW-09 and 6MW-10), with an average gradient of 0.037 ft/ft.

Hydraulic conductivity (K) was estimated from in-situ hydraulic conductivity tests performed on monitoring wells 6MW-03, 6MW-08, 6MW-09, and 6MW-10. Hydraulic conductivity values ranged from 8.46×10^{-6} cm/sec measured at 6MW-08 to 2.72×10^{-4} measured at 6MW-10. Groundwater flow velocity at Site 6 was calculated using a lower hydraulic gradient (I) of 0.03 ft/ft (measured between 6MW-08 and 6MW-09) and an upper gradient of 0.42 ft/ft (measured between 6MW-09 and 6MW-10), a K value of 2.12×10^{-3} cm/sec, and an estimated effective porosity of 15%. A groundwater flow velocity of 0.015 ft/day (5.5 ft/yr) was calculated using the shallower gradient of 0.03 ft/ft. A flow velocity of 0.022 ft/day (7.9 ft/yr) was calculated using the steeper gradient of

0.042 ft/ft.

3.4 Summary and Conclusions

Within Site 6, the RI revealed three apparently separate and distinct soil contaminant locations. The dominant Contaminants of Concern (COCs) within these three areas volatile organic compounds and, to lesser degree, inorganics. These areas were designated as Area A, Area B, and Area C. Their specific soil contaminants and relative locations are described as follows:

- Area A-Tetrachloroethene (a.k.a. perchloroethene, PCE): Area A is centered near soil boring location SB-2, with diminished levels extending northwest to SB-5 and southeast to SB-4. The concentration of PCE is above the NYSDEC criteria for soil based on laboratory analytical results.
- Area B-Trichloroethene (TCE): Area B is approximately 100 feet north (up gradient) from the PCE location. This area extends in a northeast direction from soil boring SB-1 to SB-10. The concentration of TCE is above the NYSDEC criteria for soil based on laboratory screening data.
- Area C-Weathered Fuel Constituents (heavy-end residual): This contaminant location is centered near TW-2, and possesses trace amounts (7 ug/kg, estimated) of PCE. The fuel is significantly weathered and is void of its lighter-end components, including benzene, ethylbenzene, and toluene. With the exception of a single laboratory screening result for xylenes, all soil contaminants were detected below the NYSDEC soil criteria at this location.

Downgradient of the above referenced locations, where PCE and TCE were detected in soil, the more mobile and soluble degradation product, *cis*-1,2-DCE, was detected in groundwater. In (down gradient) monitoring well 6MW-09, both *cis*-1,2-DCE and PCE were detected above the NYSDEC criteria for groundwater. In two (down gradient) temporary wells, (near the Site 6/Site 3 boundary), TW-9 and TW-12, *cis*-1,2-DCE was also detected above the NYSDEC criteria for groundwater. Vinyl chloride was also detected in TW-9 and TW-12, but at levels slightly below the NYSDEC criteria. In temporary monitoring well TW-1, *cis*-1,2-DCE was detected in the groundwater at a concentration below the NYSDEC criteria. Monitoring well 6MW-08 and microwells MIC-A and MIC-D (located down gradient from Site 6) did not possess any chlorinated VOC contaminants. *Cis*-1,2-DCE and vinyl chloride were detected in 6MW-03 at concentrations that exceeded the NYSDEC criteria for groundwater quality. The presence of *cis*-1,2-DCE and vinyl chloride at 6MW-03 may have resulted from the degradation of the PCE and TCE in soils situated upgradient. During headspace screening, RI soil borings field screening samples collected from the 4-6 ft interval in SB-6 and SB-8 reported readings of 200 and 300 ppm, respectively. These borings are located upgradient of 6MW-03.

The soil contamination detected near TW-2 does not appear to be impacting the groundwater. A groundwater sample collected from TW-2 possessed 1,3,5-Trimethylbenzene at a concentration of 1.33µg/L, below the NYSDEC drinking water standard of 5µg/L. In monitoring well 6MW-03 (located directly down gradient from TW-2) gasoline fuel constituents were not detected during the RI.

3.5 Removal Action

Based on the results of the RI, three Areas of Concern (AOC), Areas A, B, and C, were identified. Excavation and off-site disposal were chosen as the remedial action. Aneptek was contracted by the ANG to conduct a Time Critical Removal Action (TCRA) at Site 6. The TCRA was conducted on April 22 to April 25, 2002. The areas of excavation were between SB-4 and SB-5 (Area A), between SB-1 and SB-10 (Area B), and centering on TW-2 (Area C). Excavated areas are shown in Figure 3-5. Soils were excavated from the ground surface to a depth of approximately 8 feet bgs. Approximately 173 cubic yards of soil were removed. Soils were transported to EMS1 in Hudson Falls, New York, for disposal by incineration. Confirmatory soil samples were collected from the sidewalls and floor of each excavation and submitted to an off-site laboratory for VOC analysis by EPA Method 8260B. Sample results are presented in Table 3-6. Confirmatory sampling locations and results for Areas A, B, and C are summarized in Figures 3-6, 3-7, and 3-8, respectively.

3.6 Data Gaps

As stated in Section 3.2 of this TM, Site 6 was not originally identified as an ERP Site to be investigated during the RI. Based on results from the RI activities conducted at ERP Site 3, it became apparent that groundwater at Site 3 was being impacted from point sources located upgradient and adjacent to Site 3. As this was realized near the end of the RI field program, the scope of work conducted at Site 6 was limited in nature. This resulted in a limited number of soil and groundwater sampling points with corresponding limited information about site contamination, contributing to a number of data gaps relating to the vertical and horizontal extent of soil and groundwater contamination. The objective of the SDC was to address existing data gaps to facilitate the completion of the FS at Site 6.

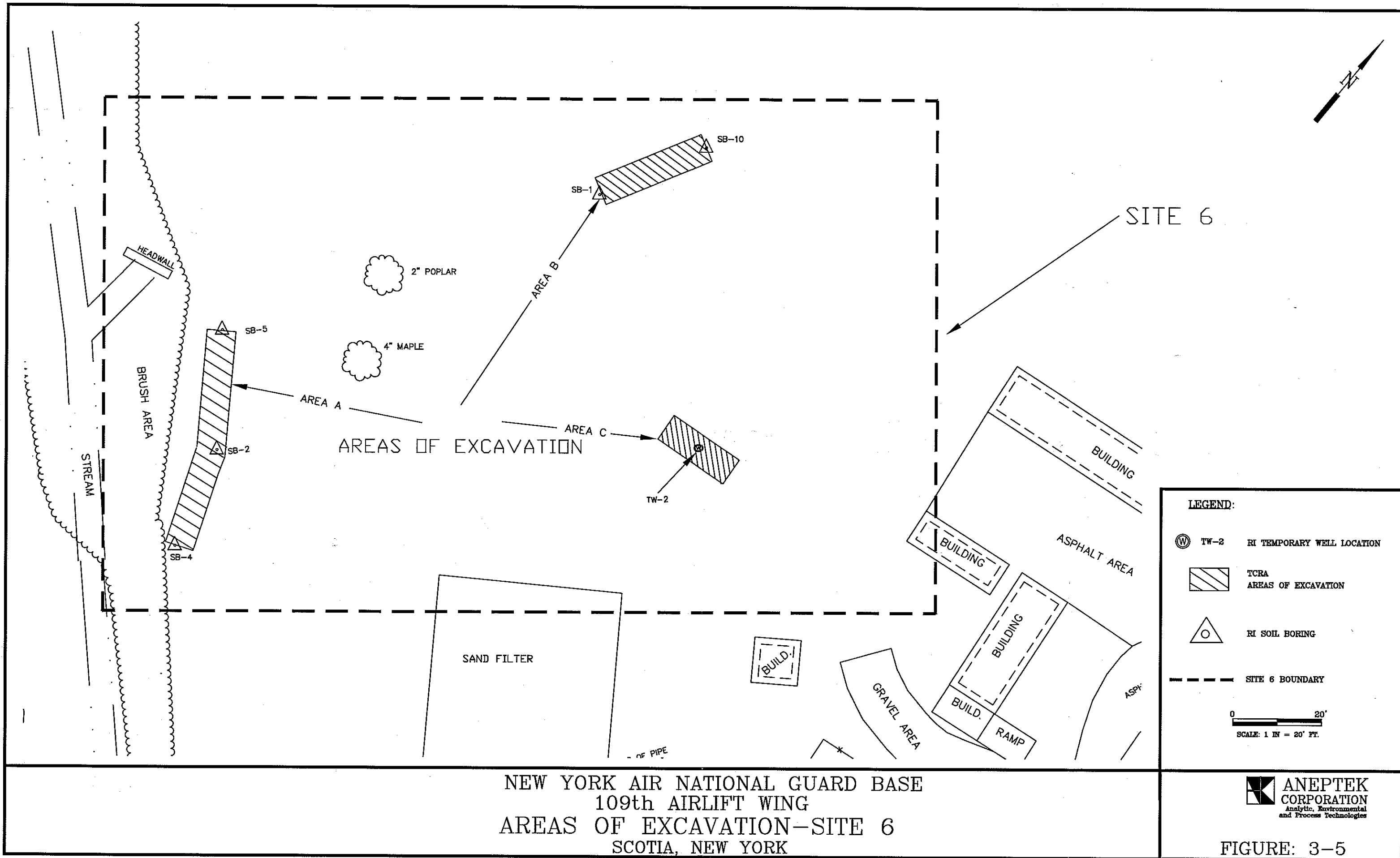


TABLE 3-6
CONFIRMATORY SOIL SAMPLING ANALYTICAL RESULTS
SCHENECTADY ANGB - SITE 6 TCRA
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	BCKGRND CONC. ²	NYSDEC CLEANUP CONC. ³	SAMPLE IDENTIFICATION				
				EX-A-W-Sidewall	EX-A-N-Bottom	EX-A-N-Sidewall	EX-A-E-Sidewall	EX-A-S-Bottom
VOCs (ug/kg)								
Dichlorodifluoromethane	1.1	ND	NL	1.1	JL	1.1	JL	1.2
cis-1,2-Dichloroethene	1.1	ND	NL	3.9	JQ	1.1	U	1.2
Chloroform	1.1	ND	NL	1.1	U	1.1	U	1.2
Trichloroethene	1.1	ND	700	2.7	JQ	1.1	JQ	1.2
Benzene	1.1	ND	NL	1.3	JQ	1.9	JQ	1.2
Tetrachloroethene	1.1	ND	1400	2.7	JQ	400	JQ	3.6
Toluene	1.1	5.4	1500	2.5	JQ	3.1	JQ	3.8
m,p-Xylene	1.1	ND	1200	1.1	U	1.1	U	0.8
4-Isopropyltoluene	1.1	ND	NL	1.1	U	1.1	U	1.2
1,2,4-Trichlorobenzene	1.1	ND	NL	1.1	U	1.1	U	1.2
Naphthalene	1.1	ND	13,000	1.1	U	1.1	U	1.2

ANALYTE	DETECTION LIMIT ¹	BCKGRND CONC. ²	NYSDEC CLEANUP CONC. ³	SAMPLE IDENTIFICATION				
				EX-A-S-Sidewall	EX-B-N-Bottom	EX-B-S-D-Bottom	EX-B-N-Sidewall	EX-B-E-Sidewall
VOCs (ug/kg)								
Dichlorodifluoromethane	1.1	ND	NL	1.1	JL	1.2	JL	1.2
cis-1,2-Dichloroethene	1.1	ND	NL	1.1	JQ	5.8	JQ, JF	4.9
Chloroform	1.1	ND	NL	1.1	U	1.2	U	1.2
Trichloroethene	1.1	ND	700	2.1	JQ	8.6	JF	5.6
Benzene	1.1	ND	NL	2.7	JQ	1	JQ	1.1
Tetrachloroethene	1.1	ND	1400	240	U	1.2	U	1.2
Toluene	1.1	5.4	1500	13	U	2.6	JQ	3.4
m,p-Xylene	1.1	ND	1200	1.1	U	1.2	U	1.2
4-Isopropyltoluene	1.1	ND	NL	1.1	U	1.2	U	2.3
1,2,4-Trichlorobenzene	1.1	ND	NL	1.1	U	1.2	U	1.2
Naphthalene	1.1	ND	13,000	1.1	U	2.3	JQ	2.5

TABLE 3-6 (Cont)
CONFIRMATORY SOIL SAMPLING ANALYTICAL RESULTS
SCHENECTADY ANGB - SITE 6 TCRA
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	BCKGRND CONC. ²	NYSDEC CLEANUP CONC. ³	SAMPLE IDENTIFICATION				
				EX-B-S-Sidewall	EX-B-S-Bottom	EX-B-W-Sidewall	EX-C-E-Bottom	EX-C-S-Sidewall
VOCs (ug/kg)								
Dichlorodifluoromethane	1.1	ND	NL	1.2	JL	1.2	JL	1.2
cis-1,2-Dichloroethene	1.1	ND	NL	1.2	JF	1.2	U	1.2
Chloroform	1.1	ND	NL	1.2	U	1.2	U	1.2
Trichloroethene	1.1	ND	700	1.2	JF	1.2	U	1.3
Benzene	1.1	ND	NL	1.2	JQ	1.2	JQ	1.2
Tetrachloroethene	1.1	ND	1400	1.2	U	1.2	U	1.2
Toluene	1.1	5.4	1,500	1.2	U	1.2	U	1.7
m,p-Xylene	1.1	ND	1200	1.2	U	1.2	U	1.2
4-Isopropyltoluene	1.1	ND	NL	1.2	U	1.2	U	1.2
1,2,4-Trichlorobenzene	1.1	ND	NL	1.2	U	1.2	U	1.2
Naphthalene	1.1	ND	13,000	1.2	U	1.2	U	1.2

ANALYTE	DETECTION LIMIT ¹	BCKGRND CONC. ²	NYSDEC CLEANUP CONC. ³	SAMPLE IDENTIFICATION				
				EX-C-W-Sidewall	EX-C-E-D-Bottom	EX-C-E-Sidewall	EX-C-W-Bottom	EX-C-N-Sidewall
VOCs (ug/kg)								
Dichlorodifluoromethane	1.1	ND	NL	1.1	JL	1.1	JL	1.2
cis-1,2-Dichloroethene	1.1	ND	NL	46	JQ	1.3	JQ	1.2
Chloroform	1.1	ND	NL	1.1	U	1.2	U	1.2
Trichloroethene	1.1	ND	700	91	U	5.8	19	12
Benzene	1.1	ND	NL	2.9	JQ	2	JQ	1.2
Tetrachloroethene	1.1	ND	1400	1.1	JQ	0.7	JQ	1.2
Toluene	1.1	5.4	1500	3	JF	5	JQ	1.3
m,p-Xylene	1.1	ND	1200	1.1	U	1.1	U	1.2
4-Isopropyltoluene	1.1	ND	NL	1.1	U	1.1	U	1.2
1,2,4-Trichlorobenzene	1.1	ND	NL	1.1	U	1.1	U	1.2
Naphthalene	1.1	ND	13,000	1.1	U	1.1	U	1.2

ABBREVIATIONS:

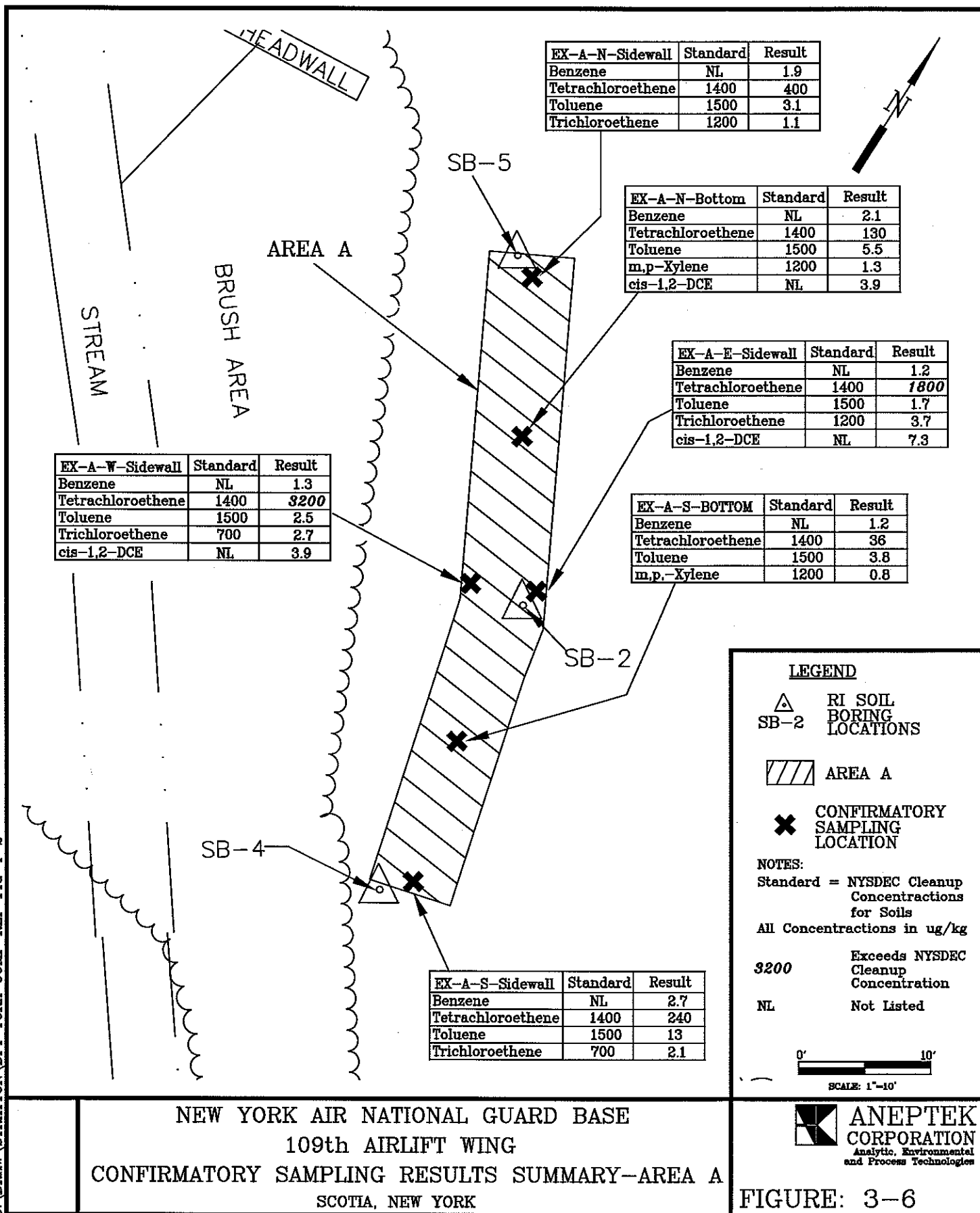
ug/kg - micrograms per kilogram
DWQS - Drinking Water Quality Std.
MDL - Method Detection Limit
MSD - Matrix Spike (Duplicate)
NYSDEC - New York State Dept. of Environmental Conservation
NL - Not Listed
RI - Remedial Investigation
RPD - Relative Percent Difference
VOCs - Volatile Organic Compounds
D - Duplicate Sample

NOTES:

- 1) Contract Required Detection Limit (CRDL)
- 2) RI Background Sample Results
- 3) NYSDC TAGM HWR-94-4046, Jan 24, 1994. Where applicable, the soil cleanup objectives were corrected for TOC levels. Where the GW based Soil Cleanup Objectives differed from the Recommended Soil Cleanup Objectives, the more stringent value was used.

DATA QUALIFIERS:

- The analyte was positively identified; the associated value is the approx. concentration of analyte in the sample
- Field duplicate %RPD was high (greater than 50% for soils) for this compound
- The blank spike and/or blank spike duplicate % recoveries were not within the control limits of 60-140% for organics
- The MS and/or MSD % recoveries were not within the control limits for this compound
- Estimate due to detection level below lowest calibration standard
- Compound was analyzed for, but not detected
- Compound exceeds regulatory limit



EX-B-W-Sidewall	Standard	Result
Benzene	NL	ND
Toluene	1500	ND
Trichloroethene	700	ND
cis-1,2-DCE	NL	ND
Tetrachloroethene	NL	ND
m,p-Xylene	NL	ND
Napthalene	13000	ND

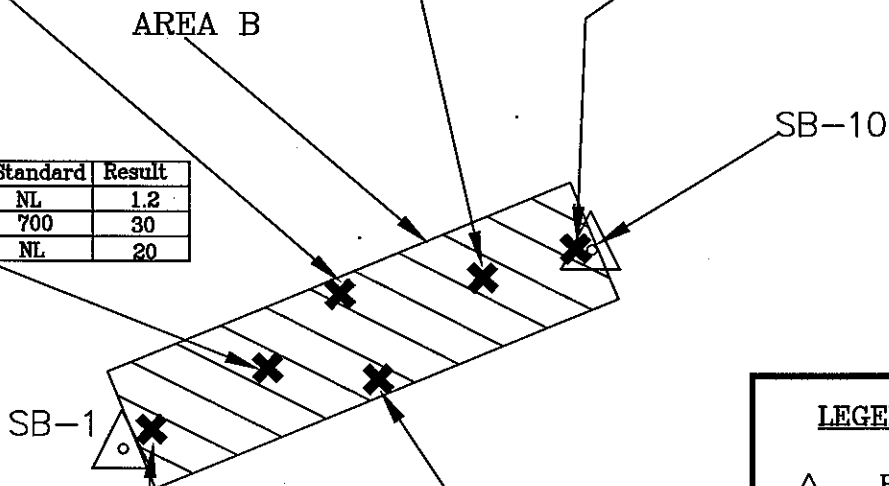
EX-B-N-Bottom	Standard	Result
Trichloroethene	700	1.3
cis-1,2-DCE	NL	1.3

EX-B-N-Sidewall	Standard	Result
Toluene	1500	1.2

EX-B-S-Bottom	Standard	Result
Benzene	NL	1.2
Trichloroethene	700	30
cis-1,2-DCE	NL	20

EX-B-S-Sidewall	Standard	Result
Benzene	NL	ND
Toluene	1500	ND
Trichloroethene	700	ND
cis-1,2-DCE	NL	ND
Tetrachloroethene	NL	ND
m,p-Xylene	NL	ND
Napthalene	13000	ND

EX-B-E-Sidewall	Standard	Result
Benzene	NL	1.1
Toluene	1500	3.4
Trichloroethene	700	5.6
cis-1,2-DCE	NL	4.9
4-Isopropyltoluene	NL	2.3
1,2,4-Trichlorobenzene	NL	1.2
Napthalene	13000	2.5



LEGEND

△ RI SOIL BORING LOCATIONS
SB-1

▨ AREA B

✕ CONFIRMATORY SAMPLING LOCATION

NOTES:

Standard = NYSDEC Cleanup Concentrations for Soils

All Concentrations in ug/kg

NL Not Listed



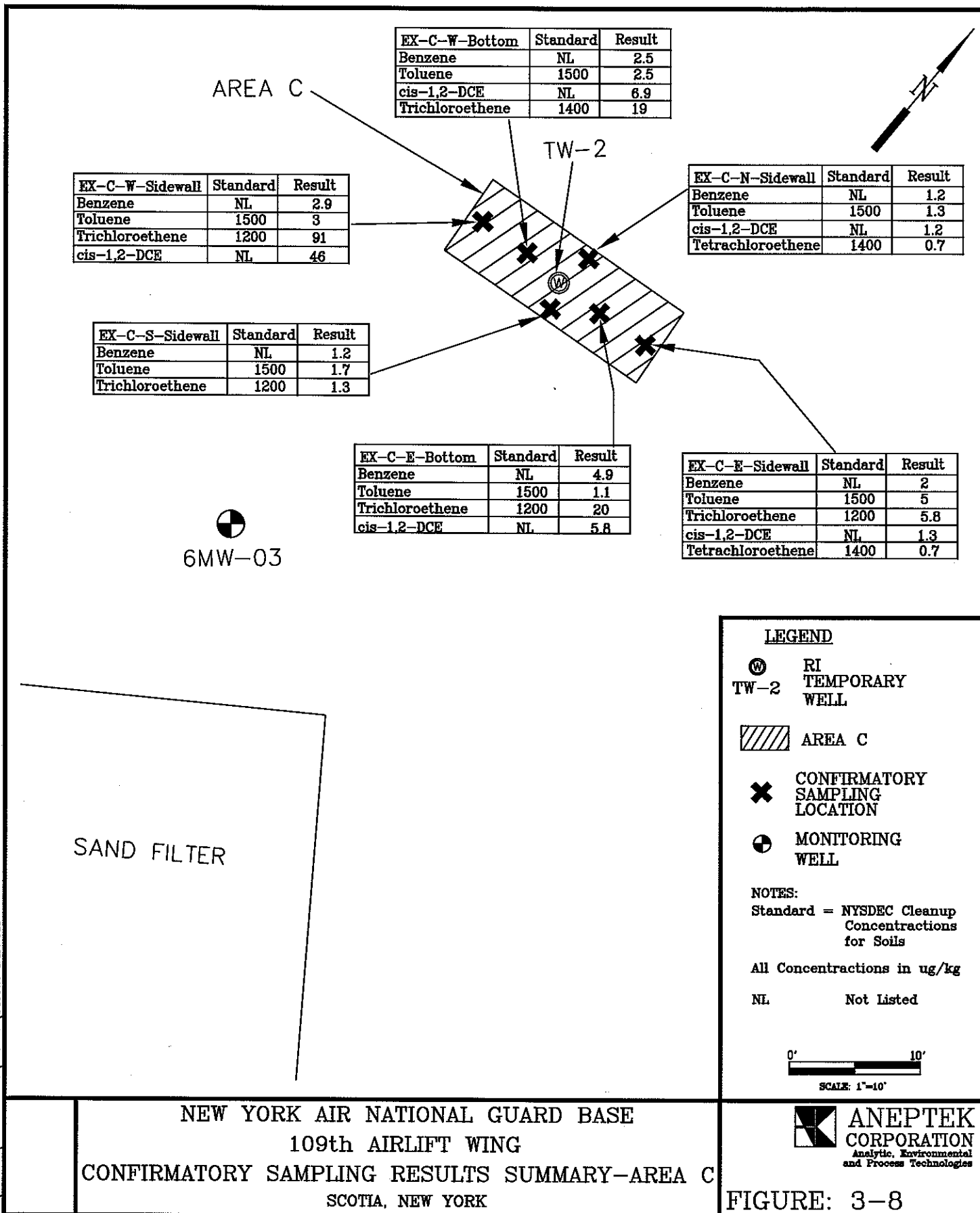
SCALE: 1"=10'

NEW YORK AIR NATIONAL GUARD BASE
109th AIRLIFT WING
CONFIRMATORY SAMPLING RESULTS SUMMARY-AREA B
SCOTIA, NEW YORK



ANEPTEK CORPORATION
Analytic, Environmental
and Process Technologies

FIGURE: 3-7



SECTION 4.0

4.1 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

This section presents a preliminary analysis of Federal and State ARARs and additional criteria To-Be-Considered (TBC). Applicable requirements are those cleanup standards, standards of control, or other substantive environmental protection requirements, criteria or limitation promulgated under Federal or State law which specifically address a hazardous substance, pollutant, contaminant, remedial action, location or other circumstances at a CERCLA site. Relevant and appropriate requirements are those Federal and/or State requirements that, while not “applicable” to a hazardous substance, pollutant, contaminant, remedial action, location or other circumstance at a CERCLA site, address problems or situations sufficiently similar to those encountered at a CERCLA site that their use is well suited to the particular site. TBC criteria are non-promulgated advisories or guidance issued by federal or state agencies that, although not legally binding, can be used in determining the level of clean-up for protection of health and the environment.

4.1 Methodology

The determination of ARARs/TBCs for the SDC is based on a review of: (1) the types, quantities and extent of contaminants potentially present at the site, (2) local considerations of the site, and (3) the types of actions being considered to mitigate the public health and environmental threats posed by the release of contaminants from the site. Following this, the universe of Federal and State requirements is examined and all chemical-specific, location-specific and action-specific ARARs pertinent to current or potential future conditions at the site are determined. Also identified are the additional State or Federal criteria and guidance (TBCs) which may be used during the CERCLA remedial response process. This analysis gives consideration to the requirements of the “CERCLA Compliance with other Laws Manual” (EPA, 1988b) as well as the “Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA” (EPA, 1988a).

The Chemical-specific ARARs for the SDC are presented in Table 4-1. The Location-specific ARARs pertinent to the SDC are initially evaluated in Table 4-2. Other criteria, advisories, and guidance to-be-considered are presented in Table 4-3. A general listing of chemical-specific ARAR and TBC concentration values are provided in Table 4-4 for water and Table 4-5 for soils/sediment.

TABLE 4-1
POTENTIAL CHEMICAL-SPECIFIC ARARS FOR SITE 6

ARARS	SYNOPSIS
<i>Federal ARARs</i>	
1. Clean Water Act (CWA) Ambient Water Quality Criteria (AWQC); CWA Section 304	<p>Federal AWQC are health-based criteria that have been developed for 95 carcinogenic and non-carcinogenic compounds. AWQC for the protection of human health provides levels for exposure both from drinking the water and consumption of aquatic organisms (i.e. fish), and from consumption of fish alone. AWQC for the protection of aquatic life includes acute and chronic levels for freshwater and marine organisms. Remedial actions involving contaminated surface water or groundwater must consider water uses and the circumstances of the release or threatened release.</p> <p>Local wells use groundwater for drinking water supplies; therefore, the SDWA MCLs and Maximum Contaminant Level Goals (MCLGs) are potential ARARs for the aquifer. MCLs are legally enforceable federal drinking water standards, and MCLGs are nonenforceable health goals established by USEPA.</p> <p>Any remedial action at the PPBA may generate air emissions. If so, the Clean Air Act requirements for emissions must be met. Clean Air Act standards include both Ambient Air Quality Standards (AAQS) and National Emissions Standards for Hazardous Air Pollutants (NESHAPS).</p>
2. Safe Drinking Water Act (SDWA) National Drinking Water Regulation (40 CFR 141)	
3. Clean Air Act	

TABLE 4-1 (Cont.)
POTENTIAL CHEMICAL-SPECIFIC ARARS AT SITE 6

ARARS	SYNOPSIS
<i>State ARARs</i>	
1. New York State Rules for Inactive Hazardous Waste Sites 6 NYCRR Subpart 375	This regulation includes the New York State regulations for inactive hazardous waste sites.
2. New York State water quality regulations 6 NYCRR Chapter X	This regulation establishes the requirements for the State Pollutant Discharge Elimination System (SPDES) program. This program provides the standards for surface water and drinking water to protect human health and the environment. 6 NYCRR Parts 701 and 702 include surface water standards and 6 NYCRR Part 703 includes groundwater standards.
3. New York State Hazardous Waste Regulations 6 NYCRR Part 373	This regulation includes the standards for groundwater monitoring for releases from solid waste management units.
4. New York State Drinking Water Regulations 10 NYCRR Part 5; NYSDC TOGS 1.1.1	This regulation provides the New York State Department of Health drinking water quality standards. These regulations would apply to groundwaters used as drinking water supplies. Specific standards and guideline values are included in the guidance document TOGS 1.1.1.
5. New York Air Quality Regulations 6 NYCRR Parts 256 and 257	These regulations include the New York State requirements for air quality. 6 NYCRR Part 256 describes the State Air Quality Classification System. 6 NYCRR Part 257 includes ambient air quality standards. These requirements would be ARARs if a remedial action is implemented.

TABLE 4-2
POTENTIAL LOCATION-SPECIFIC ARARS AT SITE 6

ARARS	SYNOPSIS
<i>Federal ARARs</i>	
1. National Environmental Policy Act (NEPA) (40 CFR 6, Appendix A); Protection of Wetlands, (EO 11990), Executive Order	<p>Appendix A of 40 CFR 6 sets forth policy for carrying out provisions of Protection of Wetlands Executive Order. Under this order, federal agencies are required to minimize the degradation, loss, or destruction of wetlands, and to preserve the natural and beneficial values of wetlands. Appendix A requires that no remedial alternative adversely affect a wetland if another practicable alternative is available. If no alternative is available, impacts from implementing the chosen alternative must be mitigated. During the FS process, the identification and evaluation of alternatives for the site will include an evaluation of each alternative's impact on any wetlands identified at or near the PPBA.</p>
2. Endangered Species Act of 1973, 16 USC 1531 et seq. (50 CFR 81, 225, 402)	<p>Directs the state to establish programs for the protection of endangered or protected species in the state's jurisdiction. The states can apply for federal assistance by filing an application with the Federal Government and entering into a cooperative agreement. In complying with the requirements of Section 404, the New York Department of Fish and Wildlife should be contacted to determine if any threatened or endangered species exist in the vicinity of the work area.</p>
3. Migratory Bird Treaty Act of 1972	<p>The Migratory Bird Treaty Act of 1972 implements many treaties involving migratory birds. This statute protects almost all species of native birds in the U.S. from unregulated "take" which can include poisoning at hazardous waste sites. The Act is a primary tool of the U.S. Fish and Wildlife Service and other Federal agencies in managing migratory birds.</p>

**TABLE 4-3
OTHER CRITERIA, ADVISORIES, AND GUIDANCE TO BE CONSIDERED**

CRITERIA	SYNOPSIS
<p><i>Federal TBC's</i></p> <ol style="list-style-type: none"> 1. Environmental Protection Agency (EPA) Reference Doses (RfDs) 	<p>EPA RfDs are dose levels developed for non-carcinogenic effects. They are considered levels unlikely to cause significant adverse health effects associated with a threshold mechanism of action in human exposure for a lifetime. RfDs are used to characterize risks of groundwater contaminant exposure.</p>
<ol style="list-style-type: none"> 2. EPA Carcinogen Assessment Group - Potency Factors (CAGs) 	<p>EPA CAGs were developed from Health Effects Assessments (HEAs), or evaluations by the Carcinogen Assessment Group, and present the most up-to-date cancer risk potency information. CAGs complete the individual incremental cancer risk resulting from exposure to contaminants.</p>
<ol style="list-style-type: none"> 3. Acceptable Intake-Chronic (AIC) and Subchronic (AIS) - EPA Health Assessment Documents 	<p>EPA developed these two guidance documents for assessing risks and determining contaminant transport and fate. The AIC and AIS EPA Health Assessment Documents provide values developed for the RfDs and HEAs for non-carcinogenic compounds. AIC and AIS values characterize the risks from these contaminants.</p>
<ol style="list-style-type: none"> 4. EPA Health Advisories (Office of Drinking Water) 	<p>EPA Health Advisories are estimates of risks due to consumption of contaminated drinking water. The advisories consider non-carcinogenic effects only, and should be considered for contaminants in groundwater used for drinking water.</p>
<p><i>State TBC's</i></p> <ol style="list-style-type: none"> 1. NYSDEC TAGM HWR-94-4046 	<p>This guidance document provides cleanup standards for soils in New York State. These criteria are not promulgated standards but may be used to establish site-specific cleanup goals.</p>
<ol style="list-style-type: none"> 2. NYSDEC Air Guide 1 	<p>This document provides guidance for the control of toxic ambient air concentrations in New York State, and would be useful in establishing the allowable air emissions from a remedial action.</p>

TABLE 4-4
POTENTIAL CHEMICAL-SPECIFIC ARARS AND TBCs AT SITE 6
SOIL/SEDIMENT

Parameters	Soil Criteria (a)		Sediment Criteria (b)			
			Aquatic Toxicity		Human Health	Wildlife Residue
Metals (mg/kg)						
Aluminum	SB					
Antimony	SB					
Arsenic	7.5 or SB		5			
Barium	300 or SB					
Beryllium	0.16 or SB					
Cadmium	1 or SB		0.8			
Chromium	10 or SB		26			
Copper	25 or SB		19			
Iron	2000 or SB		2.4 %			
Lead	SB		27			
Manganese	SB		428			
Mercury	0.1		0.11			
Nickel	13 or SB		22			
Selenium	2 or SB					
Silver	SB					
Thallium	SB					
Vanadium	150 or SB					
Zinc	20 or SB		85			
Semivolatile Organics (mg/kg)						
Acenaphthene	50	c,e	7.3	c		
Anthracene	50	c,e				
Benz(a)anthracene	0.224 or MDL	c,e			0.007	c
Benzo(b)fluoranthene	1.1	c,e			0.007	c
Benzo(k)fluoranthene	1.1	c,e			0.007	c
Benzo(g,h,i)perylene	50	c,e				
Benzo(a)pyrene	0.061 or MDL	c,e			0.007	c
Chrysene	0.4	c,e			0.007	c
Dibenz(a,h)anthracene	0.014 or MDL	c,e				
Dibenzofuran	6.2	c,e				
Fluoranthene	50	c,e				
Fluorene	50	c,e				
Indeno(1,2,3-c,d)pyrene	3.2	c,e			0.007	c
2-Methylnaphthalene	36.4	c,e				
Naphthalene	13	c,e				
Phenanthrene	50	c,e	1.39	c		
Pyrene	50	c,e				

TABLE 4-4 (Cont.)
POTENTIAL CHEMICAL-SPECIFIC ARARS AND TBCs AT SITE 6
SOIL/SEDIMENT

Parameters	Soil Criteria (a)		Sediment Criteria (b)					
			Aquatic Toxicity		Human Health		Wildlife Residue	
Volatile Organics (mg/kg)								
Benzene	0.06	c,d			0.006	c		
Chlorobenzene	1.7	c,d	0.035	c				
Ethylbenzene	5.5	c,d						
Toluene	1.5	c,d						
Xylenes (total)	1.2	c,d						
1,2-Dichlorobenzene	7.9	c,d	0.12	c				
1,3-Dichlorobenzene	1.6	c,d	0.12	c				
1,4-Dichlorobenzene	8.5	c,d	0.12	c				
1,2,4-Trichlorobenzene	3.4	c,d	0.91	c				

Notes:

SB = Site Background

MDL = Method Detection Limit

mg/kg = milligrams per kilogram

ug/L = micrograms per liter.

(a) NYSDEC TAGM HWR-94-4046, January 24, 1994.

(b) NYSDEC Sediment Criteria, December, 1989.

(c) Values are TOC dependent. Values presented in this table assume a TOC of 1%.

(d) Total VOCs in soil should not exceed 10 mg/kg.

(e) Total SVOCs in soil should not exceed 500 mg/kg.

5.0 FIELD PROGRAM

5.1 Summary

The field program conducted during the SDC included the advancement of soil borings, the installation of both temporary and permanent monitoring wells, the collection of subsurface soil and groundwater samples, and the performance of a groundwater elevation survey to further define groundwater flow direction at Site 6. All field activities (sample collection, well installation, well development and purging, etc..) were conducted in accordance with the Final SDC Work Plan (Aneptek, May, 2002).

5.2 Deviations from the Work Plan

All of the tasks outlined in the Final SDC Work Plan (Aneptek, May 2002) were completed as planned with the following exceptions:

- Twelve soil samples were collected for laboratory analysis instead of the planned ten.
- Eleven permanent groundwater monitoring wells were installed instead of the planned ten.
- Twenty three temporary monitoring wells were installed instead of the planned twenty.

The summary of the planned and executed field program for the SDC is outlined in Table 5-1.

5.3 Investigative Activities

The following sections outline the investigative activities performed during the SDC.

5.3.1 Soil Borings

A total of 47 soil borings were advanced during the SDC field program. Twelve borings were advanced to facilitate the collection of soil samples, eleven were advanced to facilitate the installation of permanent groundwater monitoring wells, and twenty three were advanced to facilitate the installation of temporary wells. All borings were advanced using a "Mobile Drill" Model 61 drill rig equipped with 8.25 outer diameter (OD) HSAs. For the collection of soil samples, borings were advanced to refusal (bedrock) using HSA's. For the installation of temporary and permanent monitoring wells, borings were advanced to refusal using HSAs at which point drilling methods were switched to air hammer to advance through bedrock to the desired depth.

5.3.2 Temporary Wells

A total of twenty three temporary wells were installed to facilitate the collection of groundwater samples for GC screening analysis by EPA Method 8260. Temporary wells were completed using a 5-ft PVC screen with 0.01 slot size and PVC riser. No filter sand pack or other materials were placed in the annular space. After completion of the borehole to the desired depth, the screen and riser were immediately placed into the borehole. An expandable, locking cap was placed on the top of the riser until a sample could be collected. Temporary well locations are shown in Figure 5-1.

Table 5-1
Planned and Executed Field Program - Site 6

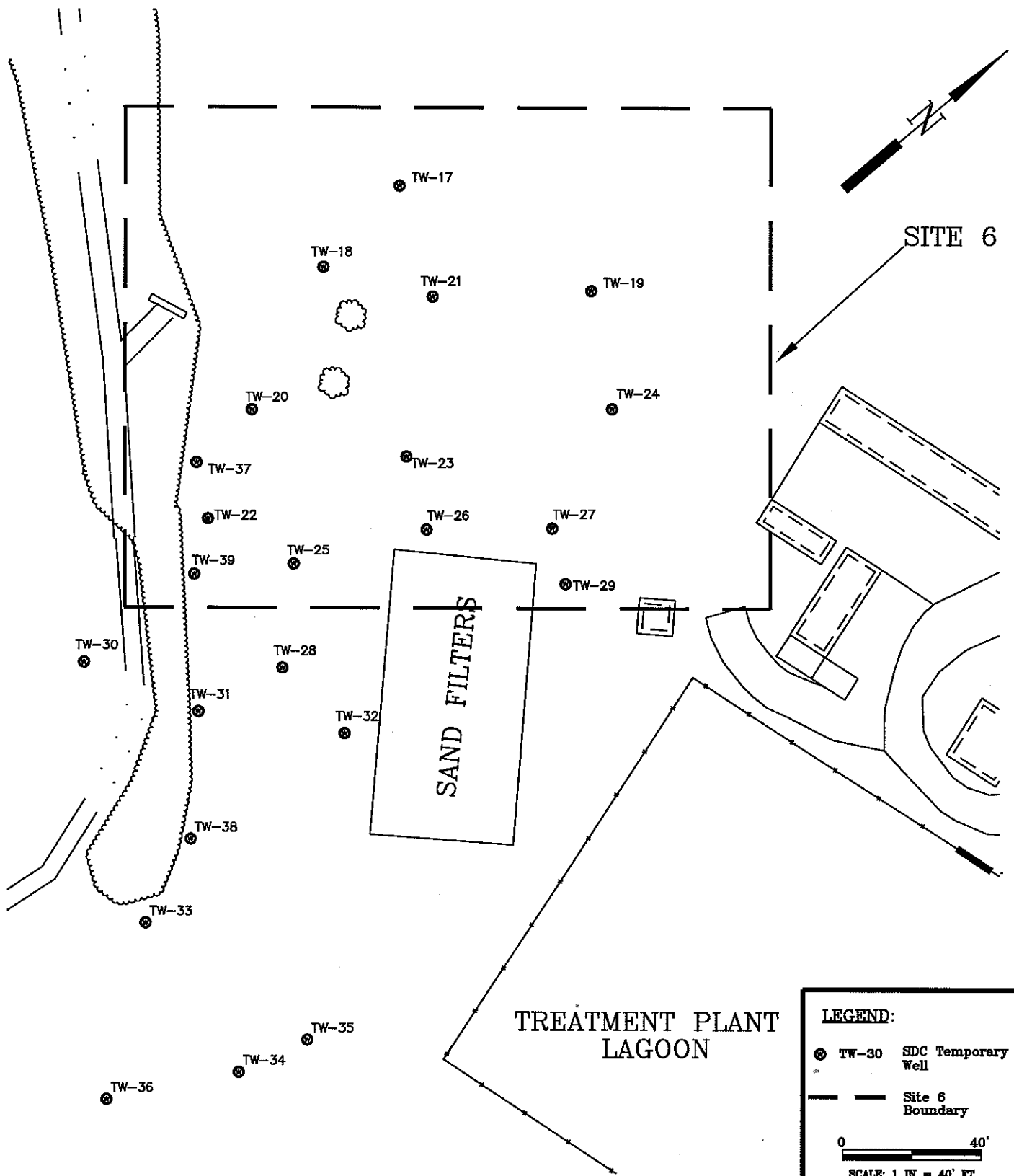
Location	Planned Activities	Executed Activities
Site 6	<p>Advance up to 20 soil borings to bedrock using direct push (Geoprobe®) methods. Install temporary well-points to facilitate the collection of groundwater samples for GC screening for VOC's.</p> <p>Advance up to 10 soil borings to collect confirmatory soil samples. Perform analysis for VOC's, SVOC's, and TAL Metals</p> <p>Install 3 stream staff gauges, conduct groundwater elevation survey using existing monitoring wells, microwells, temporary wells, and stream gauges.</p> <p>Install up to 10 overburden groundwater monitoring wells. Conduct 2 rounds of groundwater sampling (new wells plus four previously installed wells). Perform analysis for VOC's, SVOC's, and TAL Metals.</p>	<p>Advanced 23 soil borings, installed 23 temporary well points using HSAs. GC screening samples collected as planned.</p> <p>Advanced 12 soil borings, collected 12 soil samples. Performed analysis as planned.</p> <p>Stream gauges installed and measured as planned. Groundwater elevations measured at 6 permanent wells, 11 temporary wells, and 2 microwells.</p> <p>Installed 11 permanent monitoring wells. Sampling conducted as planned.</p>

5.3.3 Monitoring Wells

Based on the results of the groundwater GC screening analysis, eleven groundwater monitoring wells were installed at Site 6. Wells installed during the SDC were identified as 6MW-11 through 6MW-21.

All wells were installed at the overburden/bedrock interface with the wells screened to intersect the water table. Groundwater was typically found at the overburden/bedrock interface at a depth of between 4 to 6 feet bgs. Total depths of the wells were typically 14 to 15 feet bgs. Except where noted in the well construction diagrams, all wells were completed in the following manner.

All monitoring wells were finished with a concrete pad and, depending on location, either a protective, flush mounted road box installed at the ground surface or a protective steel stick-up riser. All monitoring wells were constructed of 2-inch I.D., Schedule 40 poly-vinyl chloride (PVC) pipe containing a 10-foot screen at the base. Screen slot size is 0.01 inches. Connections were threaded and no PVC glue was used. The monitoring wells were installed through 8.25-inch OD augers. Clean, #0 silica sand was placed in the annular space around the screen section and extended two feet above the top of the screen. Immediately on top of the #0 silica sand, a one-foot layer of #00 silica sand was added.



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109th AIRLIFT WING
SDC TEMPORARY WELL LOCATIONS
SCOTIA, NEW YORK

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FIGURE: 5-1

Next, a 2-foot layer of bentonite chips was added to seal the sand layers, the bentonite layer being hydrated with potable water. Grout, a mixture of cement and bentonite, was then added above the bentonite layer and extended to two feet below the ground surface. The flush mount road box/protective steel riser was then placed around the top of the PVC riser and a concrete pad poured to surface level. All monitoring wells were equipped with a locking, vented well cap. After installation, all monitoring wells were developed in accordance with Standard Operating Procedure (SOP) No. 6 in Appendix C of the Final Work Plan (Aneptek, May, 2002). Locations of wells installed during this SDC are shown in Figure 5-2, well construction details are provided in Table 5-2, well construction diagrams are provided in Appendix C.

5.3.4 Screening Sampling

Both soil and groundwater samples were collected for screening analysis. Soil samples were screened in the field using a PID, groundwater samples were collected for off-site laboratory GC screening. Each phase of sample screening is discussed below.

5.3.4.1 Field Screening - Soil

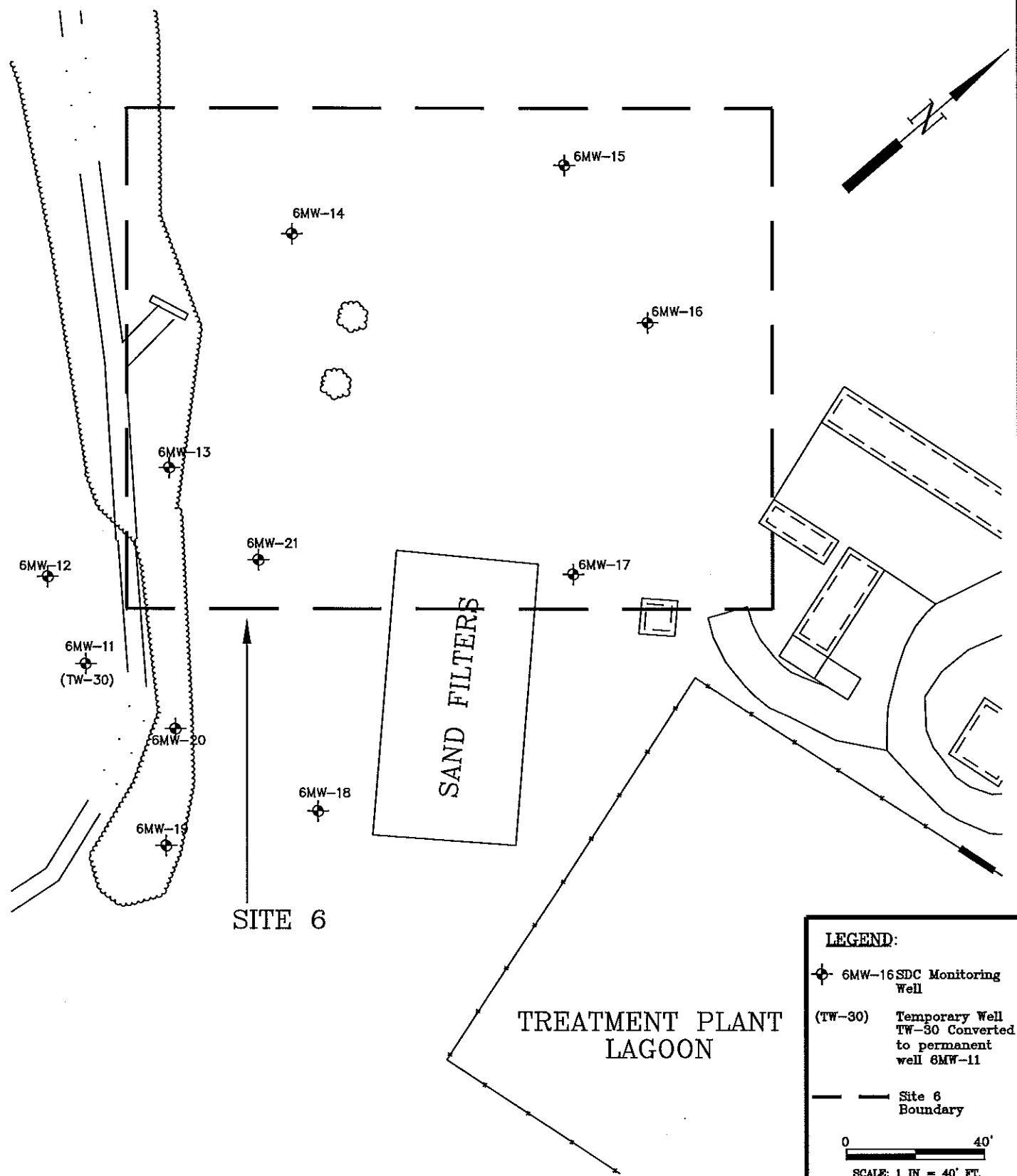
Soils were screened in the field during the installation of temporary wells, permanent monitoring wells, and during the collection of soil samples for laboratory analysis. All soils were screened using a Photovac® HL2000 MircoTIP PID equipped with a 11.7 eV lamp. The PID was calibrated at the beginning of each work day according to manufacturers specifications. During the installation of temporary wells, HSAs were used to advance the soil boring to refusal. Soil cuttings brought to the surface by the HSAs were screened as they emerged at the top of the borehole. If a reading of 10 ppm or greater was registered, the soils were drummed.

During the installation of permanent monitoring wells and when collecting soil samples for laboratory analysis, samples were collected continuously from the ground surface to refusal using two-inch ID steel split spoons. Upon retrieval of the sample interval, the sampler was opened and the tip of the PID probe was immediately passed slowly over the length of the sample. If winds were above 10 miles per hour (mph) during field screening, the sampler was moved to an enclosed area prior to opening. The tip of the probe was held as close to the sample surface as possible without coming into contact with the sample. PID readings were noted in the logbook along with that portion of the sample interval which produced the readings. Soils were screened during the installation of permanent wells to ensure that a well would not be located in an area of soil contamination. If contamination was indicated during well installation, the borehole was abandoned and grouted to the surface. The well was then re-located and the process repeated.

During the advancement of soil borings for the purpose of collecting soil samples for laboratory analysis, the sample interval which registered the highest reading when screened was submitted for analysis. If none of the sample intervals indicated the presence of contamination, the sample interval from just above the water table was collected and submitted for analysis.

5.3.4.2 Laboratory Screening - Groundwater

A total of 36 groundwater samples were collected and submitted to Northeast Analytical Laboratories, Schenectady, New York, for GC screening per EPA Method 8260. Sample locations were comprised of 23 temporary wells installed during this SDC and 13 sample locations (four



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SDC MONITORING WELL LOCATIONS
SCOTIA, NEW YORK

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FIGURE: 5-2

**TABLE 5-2
WELL CONSTRUCTION SUMMARY - SITE 6
STRATTON ANGB
SCOTIA, NEW YORK**

WELL DESIGNATION	REFERENCE POINT	GROUND SURFACE ELEVATION (ft msl)	REFERENCE POINT ELEVATION (ft msl)	RISER HEIGHT ABOVE GROUND SURFACE (ft)	DEPTH TO TOP OF SCREEN (bgs)	ELEVATION TOP OF SCREEN (ft msl)	DEPTH TO BOTTOM OF SCREEN (ft bgs)	ELEVATION BOTTOM OF SCREEN (ft msl)	ELEVATION CENTER OF SCREEN (ft msl)	TOTAL DEPTH OF BORING (ft bgs)	LENGTH OF SCREEN (ft)
6MW-03	Top Of PVC	306.7	305.95	Flush Mount	3.5	303.2	13.5	293.2	298.2	14.8	10
6MW-04	Top Of PVC	306.7	305.97	Flush Mount	3.5	303.2	13.5	293.2	298.2	14.8	10
6MW-08	Top Of PVC	302.4	302.22	Flush Mount	5	297.4	15	287.4	292.4	16	10
6MW-09	Top Of PVC	304.1	304.06	Flush Mount	5	299.1	15	289.1	294.1	16	10
6MW-10	Top Of PVC	313.7	313.56	Flush Mount	5	308.7	15	298.7	303.7	16	10
6MW-11	Top Of PVC	303.27	304.78	1.51	5	298.27	15	288.27	293.27	15.5	10
6MW-12	Top Of PVC	303.75	306.35	2.6	5	298.75	15	288.75	293.75	15.5	10
6MW-13	Top Of PVC	305.58	308.9	3.32	5	300.58	15	290.58	295.58	15.5	10
6MW-14	Top Of PVC	310.8	310.64	Flush Mount	5	305.8	15	295.8	300.8	15.5	10
6MW-15	Top Of PVC	312.09	311.85	Flush Mount	4	308.09	14	298.09	303.09	14.5	10
6MW-16	Top Of PVC	311.11	310.99	Flush Mount	5	306.11	15	296.11	301.11	15.5	10
6MW-17	Top Of PVC	308.39	308.23	Flush Mount	4	304.39	14	294.39	299.39	14.5	10
6MW-18	Top Of PVC	304.92	304.78	Flush Mount	7	297.92	17	287.92	292.92	17.5	10
6MW-19	Top Of PVC	302.71	305.36	2.65	7	295.71	17	285.71	290.71	17.5	10
6MW-20	Top Of PVC	302.95	305.44	2.49	5	297.95	15	287.95	292.95	15.5	10
6MW-21	Top Of PVC	305.84	305.53	Flush Mount	6.6	299.24	16.6	289.24	294.24	17.1	10

ABBREVIATIONS:

bgs - below ground surface

ft - feet

msl - mean sea level

permanent monitoring wells, seven temporary wells, and two microwells) which were previously installed as part of the field program during the RI. All wells were purged of static water prior to sampling. All samples were collected using clean, dedicated bailers.

5.4 Groundwater Elevation Survey

During the SDC field program, two groundwater elevation surveys were conducted to further define groundwater flow direction at Site 6. As part of this survey, three staff gauges were installed in a stream which abuts the western edge of Site 6. One gauge was installed slightly upstream of Site 6, one at the mid-point of Site 6, and one slightly downstream of Site 6. The locations of the gauges were surveyed and elevations established. The gauges were graduated to provide surface water level readings accurate to 0.01 feet. The first survey was conducted on April 26, 2002 at the start of the SDC field program. Groundwater elevations were measured at 5 existing monitoring wells (6MW-03, 6MW-04, 6MW-08, 6MW-09, and 6MW-10), 11 temporary wells (TW's-1, 3, 4, 5, 8, 9, 11, 12, 14, 15, and 16), and 2 microwells (MIC-C and MIC-D [Figure 3-4]) which were installed during the RI, plus the newly installed staff stream gauges (SG-1, SG-2, and SG-3). The second survey was conducted on August 12, 2002 incorporating all previously existing RI monitoring wells, the newly installed SDC monitoring wells, and the stream gauges.

All data points used in this survey were located and elevations established by ABD Surveyors and Engineers of Schenectady, New York. During each survey, groundwater elevations at all data points were recorded within the same 8 hour period. All wells were opened and allowed to equilibrate for approximately 30 minutes prior to measurements being recorded. All groundwater elevations were measured from the top of the PVC well riser. All groundwater and stream gauge elevations were measured to the nearest 0.01 feet.

5.5 Confirmatory Sampling

Both confirmatory soil and groundwater samples were collected and submitted to Sevm Trent Laboratories (STL), Newburgh, New York, for analysis for Target Compound List (TCL) VOCs (EPA Method 8260), SVOCs (EPA Method 8270), and Target Analyte List (TAL) metals (EPA Method 6010). Fourteen confirmatory soil samples were collected. In addition to the soil samples, two rounds of confirmatory groundwater samples were collected from the 11 monitoring wells installed during this SDC plus four monitoring wells installed during the RI. Groundwater samples collected for metals analysis were not filtered prior to analysis. Quality control (QC) samples incorporated in addition to the confirmatory samples included duplicate samples, equipment decontamination rinsates, field blanks, matrix spike/matrix spike duplicate (MS/MSD) samples, and trip blanks. Groundwater sampling analytical results were compared to NYSDEC Drinking Water Quality Standards (DWQS [Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June, 1989]). Soil sampling analytical results were compared to NYSDEC Soil Cleanup Objectives (TAGM, January 24, 1994). Soil and groundwater confirmatory sampling is discussed below.

5.5.1 Confirmatory Sampling - Soil

A total of 14 confirmatory soil samples were collected. This number includes two duplicate samples. Samples were collected continuously from the ground surface to refusal using 24 inch by two inch OD steel split spoons. The split spoons were advanced using a 140 lb drop weight. Blow counts

were noted for each 6 inches advanced and entered on the boring log. Samples were collected from those soil boring intervals which exhibited the highest concentration of contamination when screened with a PID. If none of the sample intervals indicated the presence of contamination, the sample interval from just above the water table was collected and submitted for analysis. These samples were then submitted to STL for full analysis for VOCs, SVOCs, and TAL metals. All samples were collected in accordance with SOP No.4, Appendix D, of the Final SDC Work Plan (Aneptek, May 2002). Confirmatory soil sampling locations are shown in Figure 5-3.

5.5.2 Confirmatory Sampling - Groundwater

Two rounds of confirmatory groundwater samples were collected from the eleven monitoring wells installed during this SDC plus four monitoring wells installed during the RI. The first round was conducted in June of 2002, the second in August of 2002. These samples were then submitted to STL for full analysis for VOCs, SVOCs, and TAL metals (total). All samples were collected with clean, dedicated bailers. All wells were sampled in accordance with SOP No. 6, Appendix D, of the Final SDC Work Plan (Aneptek, May 2002). Confirmatory groundwater sampling locations are shown in Figure 5-4.

5.6 Surveying

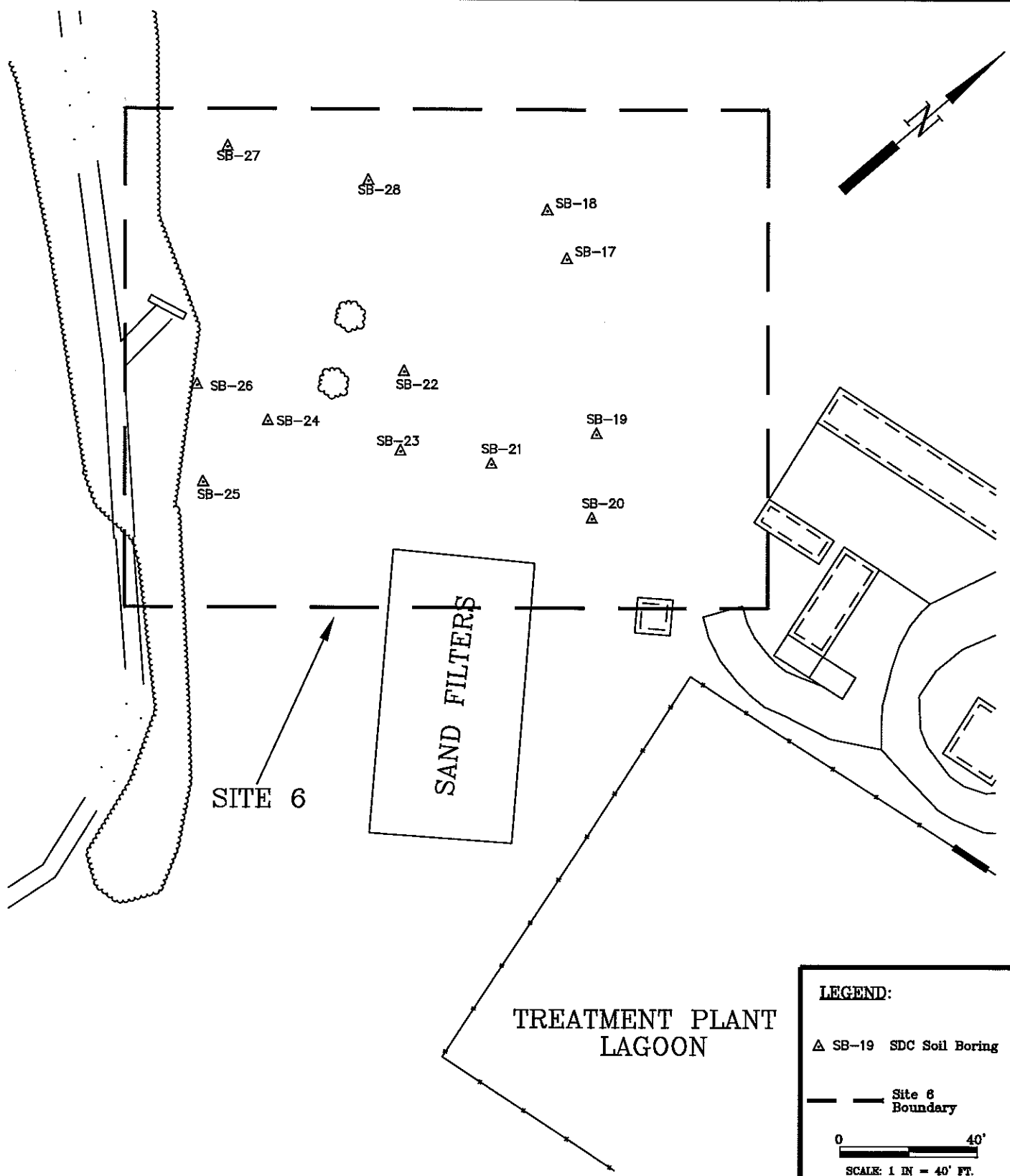
All soil borings, monitoring wells, temporary wells, and stream gauges installed during the SDC were surveyed by a ABD Surveyors and Engineers of Schenectady, New York, a registered New York land surveyor. All data points were located and northing and easting coordinates established. Elevations relative to Mean Sea Level (MSL) were established. A topographical map of Site 6 was developed showing the locations of all monitoring wells, temporary wells, soil borings, and stream gauges, as well as elevations for each surveyed point. Other pertinent structures within Site 6 were also surveyed.

5.7 Borehole/Well Abandonment

Upon completion of the field program, PVC well materials from all temporary wells and microwells were removed and properly disposed of. All temporary wells, microwells, and all boreholes were then grouted to the surface using a standard cement/bentonite mixture mixed in accordance with NYSDEC requirements. The grout mixture consisting of one 94-pound bag of type I Portland cement, approximately 6 pounds of powdered bentonite, and 9 gallons of potable water. Each borehole was filled from the bottom up using a 1 inch diameter tremie pipe.

5.8 Investigative Derived Waste

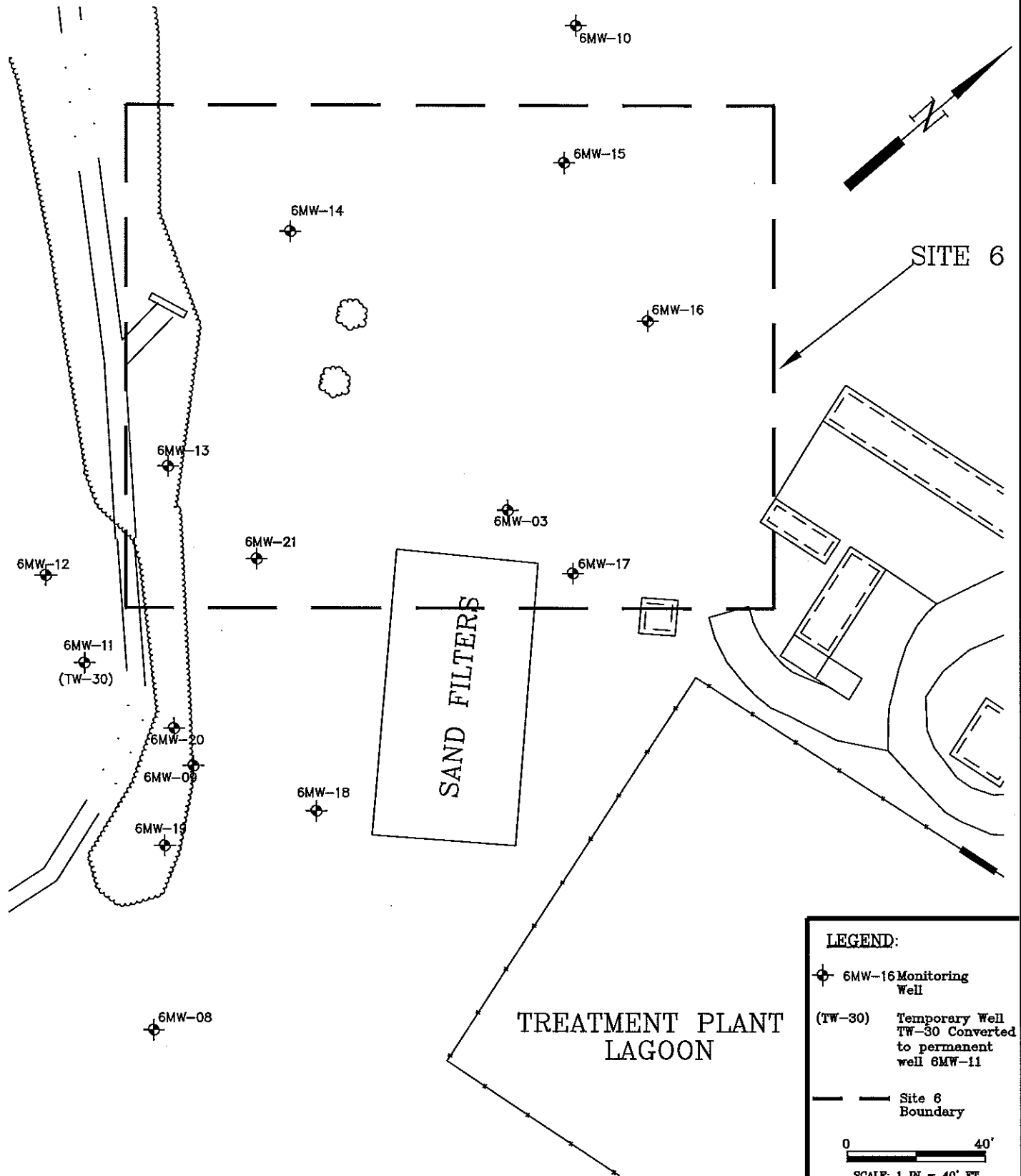
Investigative Derived Waste (IDW) generated during the SDC consisted of well development and purge water, de-contamination fluids, and soils from drill cuttings. Following completion of the field program, samples were collected from each matrix and submitted for laboratory analysis for VOCs, SVOCs, and TAL metals. Based on the results of the analysis and with NYSDEC approval, all IDW was disposed of on the ground at Site 6.



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SAMPLING LOCATIONS
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FIGURE: 5-3



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SDC CONFIRMATORY GROUNDWATER
SAMPLING LOCATIONS
SCOTIA, NEW YORK

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FIGURE: 5-4

SECTION 6.0

6.0 INVESTIGATIVE FINDINGS

This section details the investigative findings of the SDC field program.

6.1 Groundwater Elevation Survey

An initial groundwater elevation survey was conducted using existing permanent and temporary monitoring wells and microwells that were installed during performance of the RI, plus the newly installed stream gauges. This initial survey was conducted on April 26, 2002. A second round of groundwater elevation measurements were taken on August 12, 2002, using both the RI monitoring wells and wells installed during the SDC. Groundwater elevation data for the April and August measurements are presented in Table 6-1, general groundwater flow direction, based on the August 12 measurements, is shown in Figure 6-1.

6.1.1 Groundwater Flow Direction-Site 6

Groundwater flow direction was calculated using the results of the August 12 measurements in which all available permanent monitoring wells were used plus the stream gauges. Based on these measurements, general groundwater flow direction is to the south-southeast with slight local variations in flow direction. This direction is consistent with findings presented in the RI report (Aneptek, September, 2000), and, to a lesser extent, as reported during a Site Investigation (ABB, 1996) conducted at Site 3 (adjacent to and downgradient of Site 6). Groundwater flow generally follows site topography with a slightly steeper gradient in the areas above the sand filters to a flatter terrain with less gradient in the sand filter area. Below the sand filter area to the east of monitoring well 6MW-08, site topography again reverts to a steeper gradient.

6.1.2 Geology/Hydrogeology-Site 6

Site 6 geologic and hydrogeologic conditions, based *on* results from the RI, are presented in Section 3.3, Previous Investigations [Sections 3.3.1.5 thru 3.3.1.7]) in this TM. Due to the relatively small size and homogeneous nature of Site 6, geologic and hydrogeologic conditions encountered during the performance of the SDC were generally the same as those encountered during performance of the RI. A brief summary of these conditions is presented below, for a more detailed description please refer to the abovementioned sections in this TM. Additional site hydrogeologic cross sections were developed using the newly installed SDC monitoring wells. The location of these cross sections is shown in Figure 6-2. Cross sections A-A', B-B', and C-C', are presented in Figures 6-3, 6-4, and 6-5, respectively.

Overburden material at Site 6 consists mainly of a brownish to dark gray inorganic clayey silt with some fine to medium sand. The material was dry and fairly loose. The thickness of the overburden ranged from between four and eight feet bgs throughout the majority of the northern section of Site 6. Bedrock was encountered at between four and eight feet bgs. Split spoon samples recovered from the point of refusal typically had 3 to 7 inches of fractured, weathered shale in the nose of the sampler. This shale was typically dark gray to bluish black and highly fractured.

Table 6-1
Groundwater Elevations-April 26, 2002

Point	Top PVC MSL	GW Elev. 4/26/02	GW Elev. MSL
6MW-03	305.95	3.88	302.07
MW-04	305.97	8.7	297.27
6MW-08	302.22	5.96	296.26
6MW-09	304.06	5.23	298.83
6MW-10	313.62	4.56	309.06
TW-1	310.29	4.66	305.63
TW-3	310.19	5.99	304.2
TW-4	314.26	7.84	306.42
TW-5	313.07	6.03	307.04
TW-8	310.74	7.07	303.67
TW-9	306.58	7.15	299.43
TW-11	318.71	7.14	311.57
TW-12	306.78	7.07	299.71
TW-14	314.19	8.61	305.58
TW-15	305.3	6.28	299.02
TW-16	303.34	5.31	298.03
SG-1	306.85	0.35	305.14
SG-2	303.67	0.34	301.95
SG-3	295.65	0.62	294.21

Groundwater Elevations-August 12, 2002

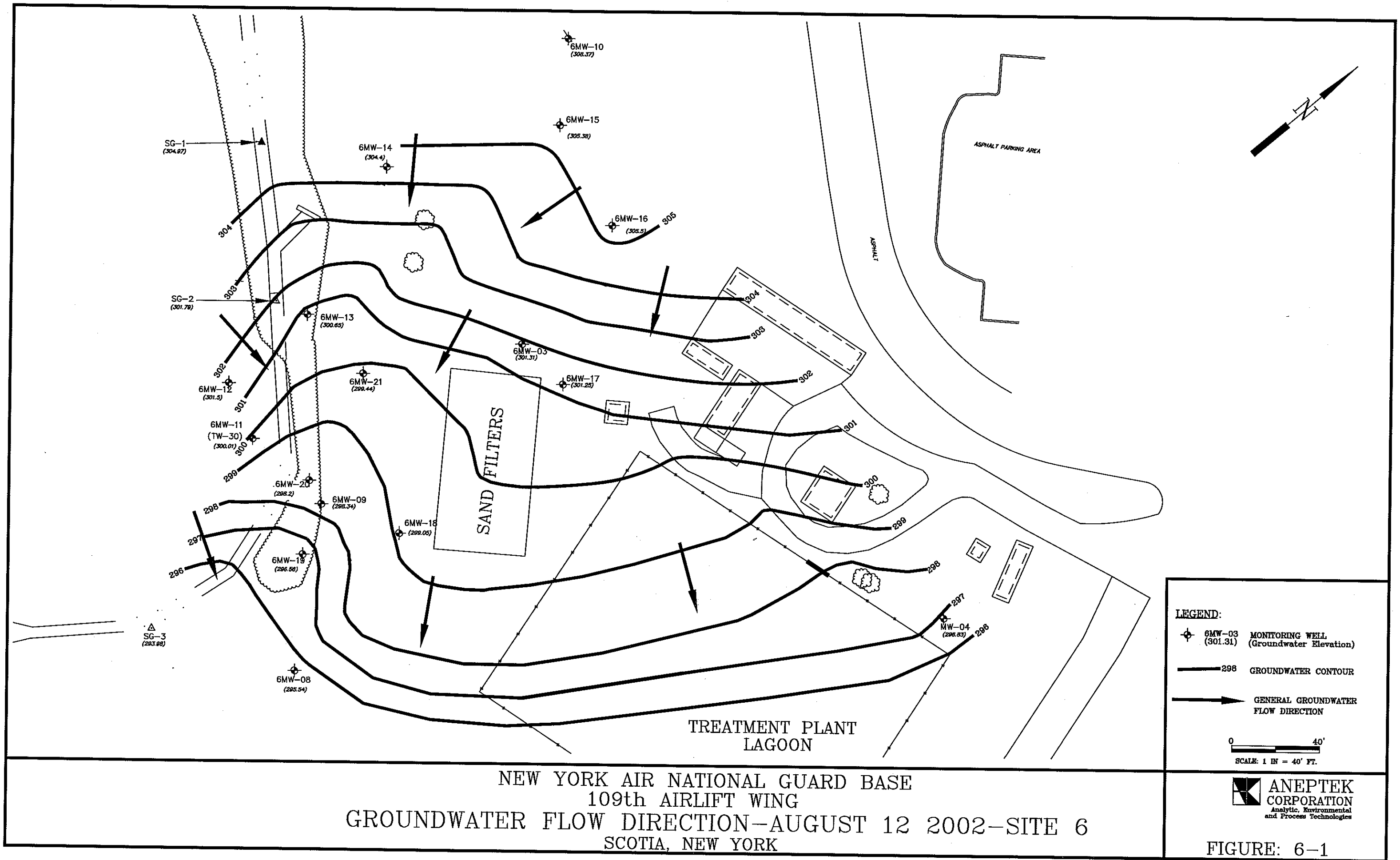
Point	Top PVC MSL	GW Elev. 8/12/02	GW Elev. MSL
6MW-03	305.95	4.64	301.31
MW-04	305.97	9.14	296.83
6MW-08	302.22	6.68	295.54
6MW-09	304.06	5.72	298.34
6MW-10	313.62	5.25	308.37
6MW-11	304.78	4.77	300.01
6MW-12	306.35	4.85	301.5
6MW-13	308.9	8.25	300.65
6MW-14	310.64	6.24	304.4
6MW-15	311.85	6.47	305.38
6MW-16	310.99	5.49	305.5
6MW-17	308.23	6.98	301.25
6MW-18	304.78	5.73	299.05
6MW-19	305.36	8.8	296.56
6MW-20	305.44	7.24	298.2
6MW-21	305.53	6.09	299.44
SG-1	306.85	0.18	304.97
SG-2	303.67	0.18	301.79
SG-3	295.65	0.39	293.98

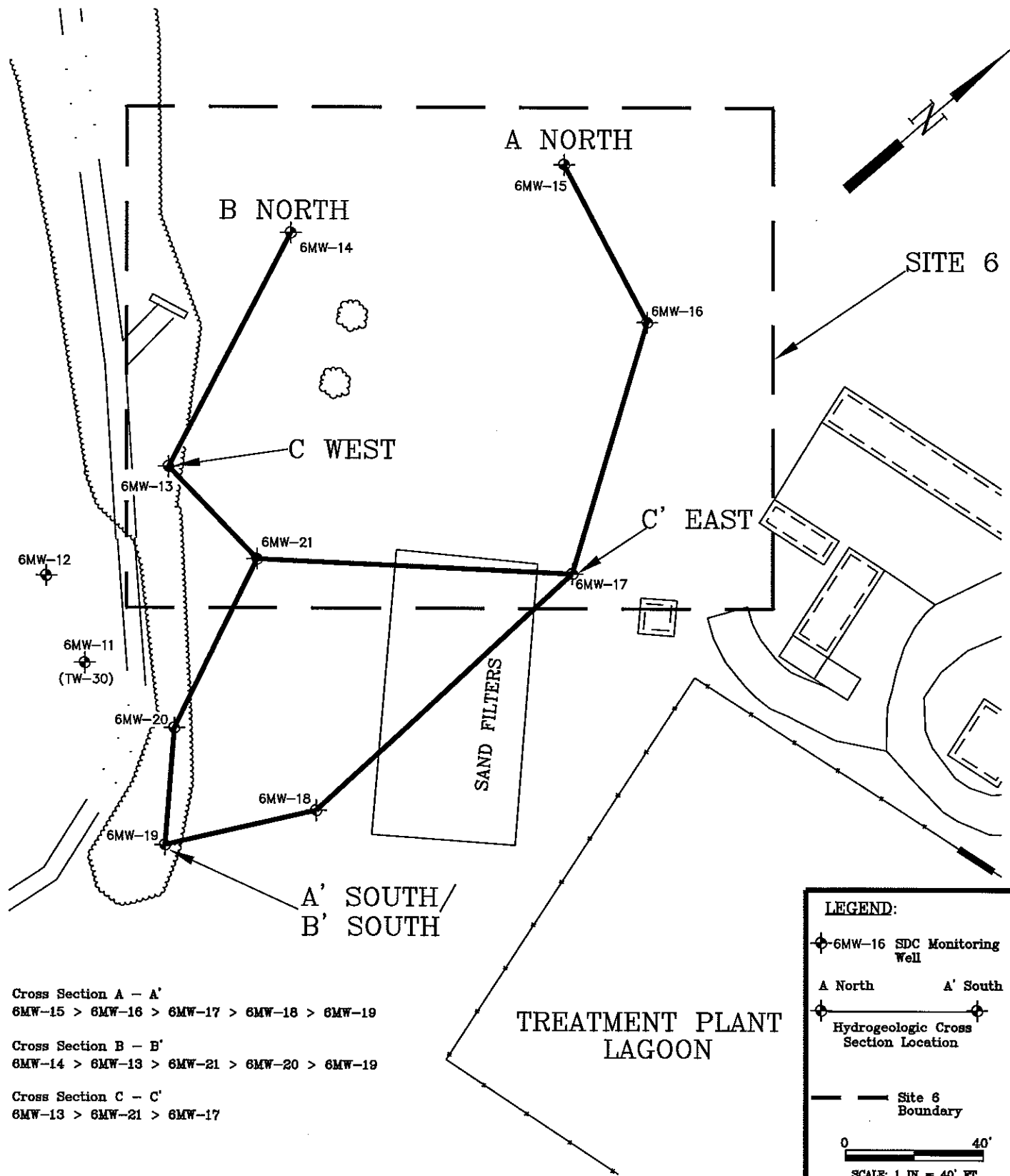
ABBREVIATIONS:

msl - mean sea level

SG-stream gauge

GW Elev.-groundwater elevation

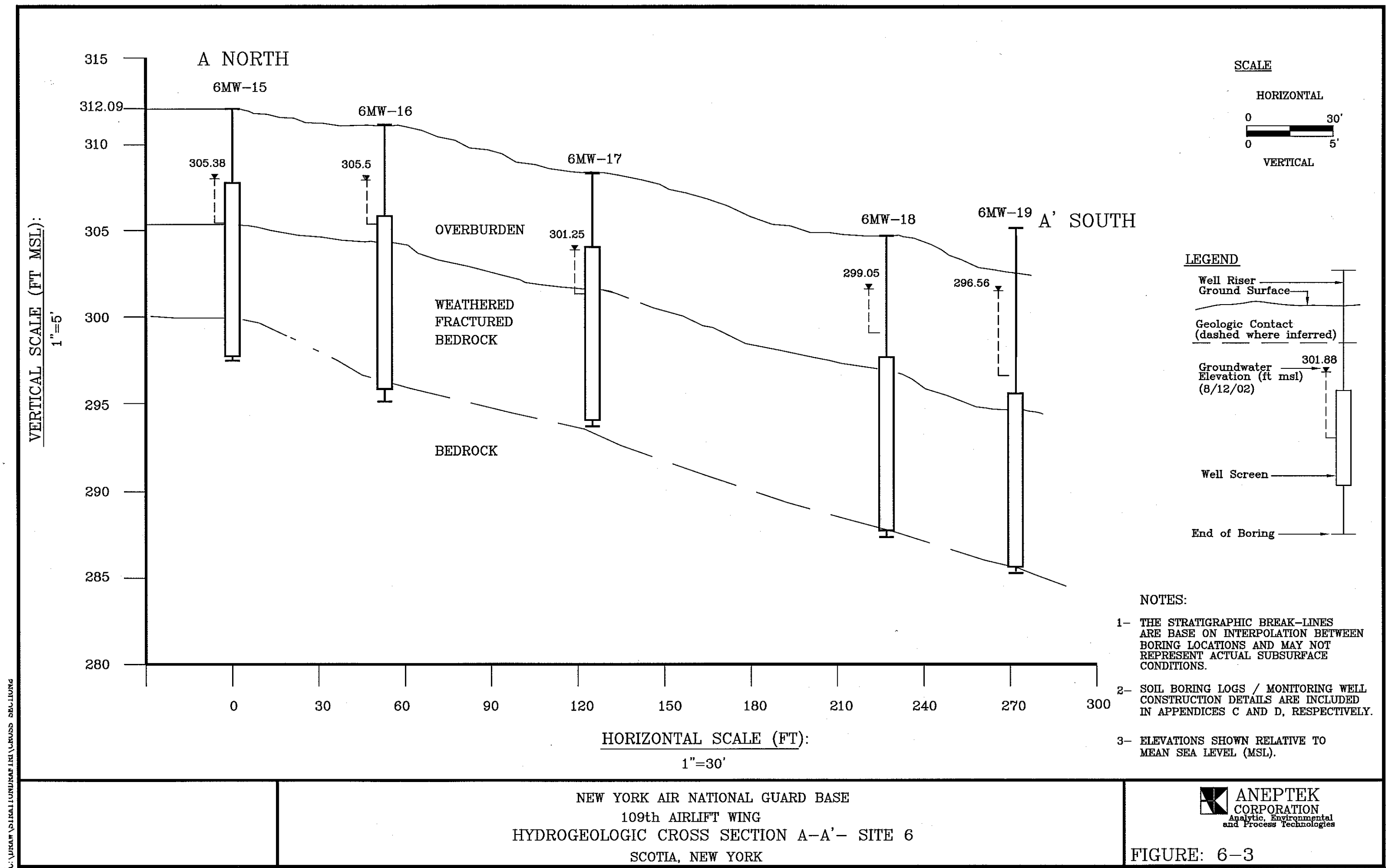


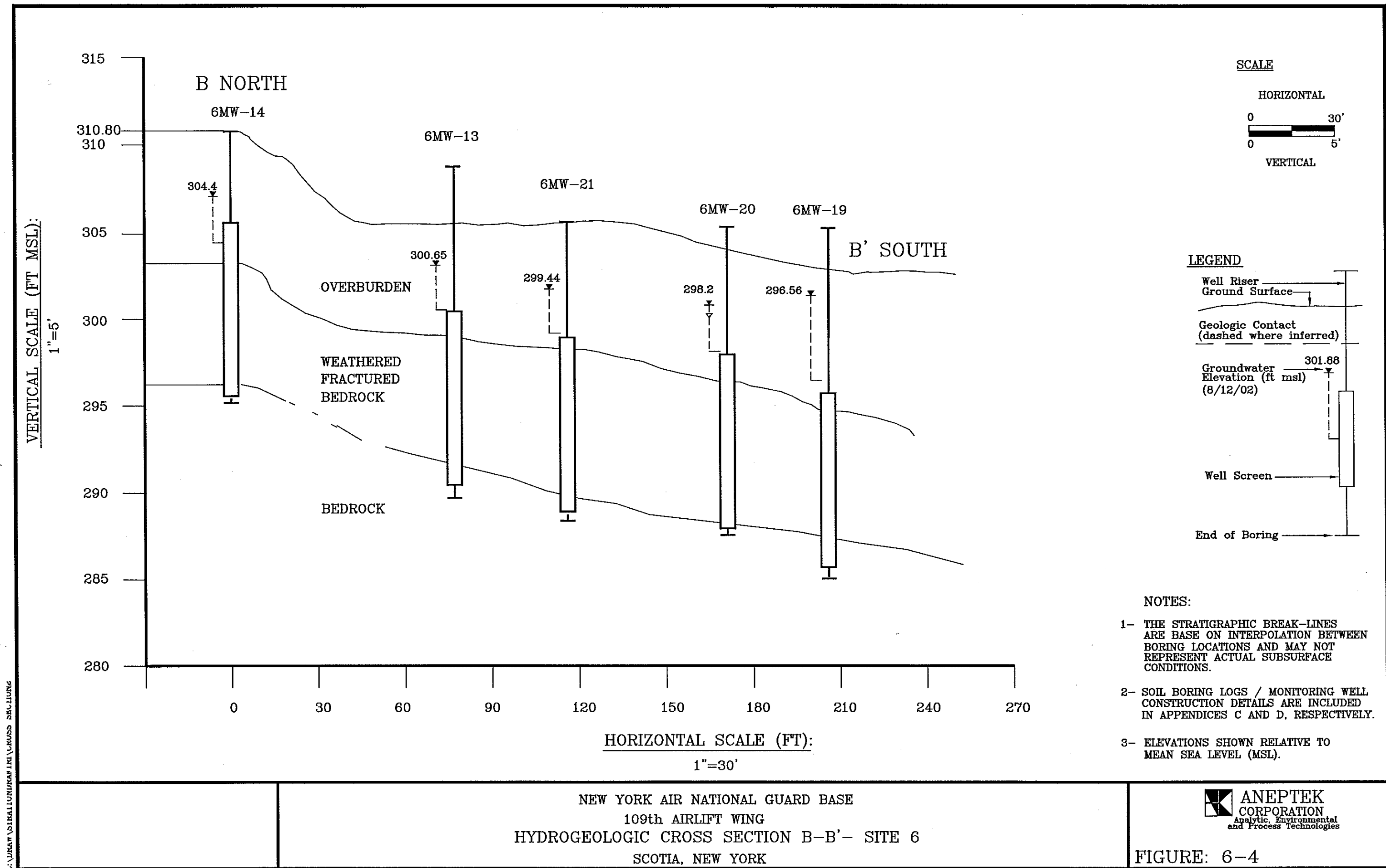


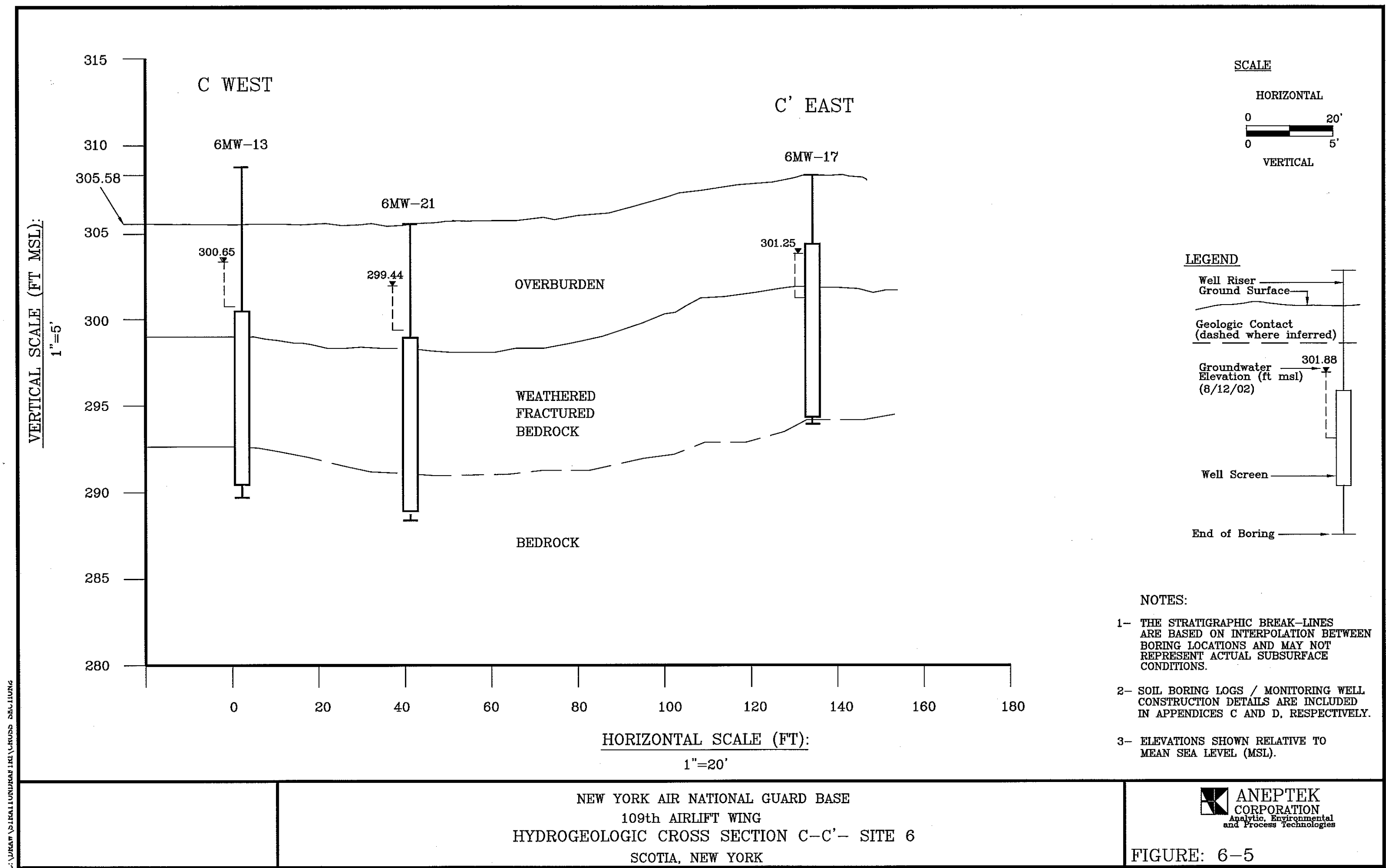
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 LOCATIONS OF HYDROGEOLOGIC
 CROSS SECTIONS—SITE 6
 SCOTIA, NEW YORK

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FIGURE: 6-2







Groundwater at Site 6 was consistently encountered at depths ranging from 5 to 7 feet bgs. Groundwater flows along the overburden/bedrock interface and within the first few feet of the fractured, weathered bedrock. Hydraulic gradients were calculated for Site 6 using groundwater elevation data obtained from monitoring wells 6MW-08, 6MW-09, and 6MW-10 (Figure 3-3). Hydraulic gradients ranged from 0.03 ft/ft (measured between 6MW-08 and 6MW-09) to 0.42 ft/ft (measured between 6MW-09 and 6MW-10), with an average gradient of 0.037 ft/ft.

Hydraulic conductivity (K) was estimated from in-situ hydraulic conductivity tests performed on monitoring wells 6MW-03, 6MW-08, 6MW-09, and 6MW-10 (Figure 3-3). Hydraulic conductivity values ranged from 8.46×10^{-6} cm/sec measured at 6MW-08 to 2.72×10^{-4} measured at 6MW-10. Groundwater flow velocity at Site 6 was calculated using a lower hydraulic gradient (I) of 0.03 ft/ft (measured between 6MW-08 and 6MW-09) and an upper gradient of 0.42 ft/ft (measured between 6MW-09 and 6MW-10), a K value of 2.12×10^{-3} cm/sec, and an estimated effective porosity of 15%. A groundwater flow velocity of 0.015 ft/day (5.5 ft/yr) was calculated using the shallower gradient of 0.03 ft/ft. A flow velocity of 0.022 ft/day (7.9 ft/yr) was calculated using the steeper gradient of 0.042 ft/ft (Final RI report Aneptek, September, 2000).

6.2 Screening Sampling

Both soil and groundwater samples were collected for screening analysis. Soil samples were screened in the field using a PID, groundwater samples were collected for off-site laboratory GC screening. Results of each phase of screening is discussed below.

6.2.1 Field Screening Results-Soil

Out of the 23 temporary wells installed, six (TW-17, TW-23, TW-25, TW-28, TW-34, and TW-39) contained soils which registered above 10 ppm when screened at the top of the borehole. Concentrations ranged from 19.5 ppm at TW-25 to >9999 ppm at TW-23. Soils which registered above 10 ppm when screened were believed to originate at depths of between 2 to 5 feet bgs, however, as no samples were being collected, these depths can only be approximated.

Of the 12 soil borings advanced, only four, SB-17, SB-18, SB-21, and SB-26, contained soils which registered above background levels. Soil collected from the 5 to 6 ft bgs interval from SB-17 registered 85 ppm when screened. Soil collected from the 2 to 4 ft bgs interval from SB-18 registered 2.5 ppm. Soil collected from SB-21 from the 7-8 ft bgs registered 14 ppm, and soil collected from the 5 to 6 ft bgs interval from SB-26 registered 14 ppm when screened. None of the soil samples collected during the advancement of soil borings for the purpose of installing permanent monitoring wells registered any readings above background levels. PID screening results are presented in Table 6-2.

6.2.2 Laboratory Screening Results-Groundwater

A total of 36 groundwater samples were collected and submitted to an off-site laboratory for GC screening. Samples were screened for VOCs using EPA Method 8260. Twenty three of these samples were collected from temporary well points which were installed during this SDC. The remaining thirteen samples were collected from sampling points which were installed as part of the

Table 6-2
Field Screening Results-Soil-Site 6 SDC
Schenectady ANGB
Scotia, New York

Sample Location	Sample Interval/ft bgs	Result (ppm)
SB-17	5-6	85
SB-18	2-4	4.5
SB-19	7-8	0
SB-20	4.5-5.5	0
SB-21	7-8	14
SB-22	5-6	0
SB-23	6-7	0
SB-24	4.5-5.5	0
SB-25	5-6	0
SB-26	5-6	14
SB-27	6-7.5	0
SB-28	7-8	0

ABBREVIATIONS:

SB- Soil Boring

ft bgs-feet below ground surface

ppm- parts per million

field program during the RI. The RI locations included four groundwater monitoring wells, 6MW-03, 6MW-08, 6MW-09, and 6MW-10, seven temporary wells, TW-1, TW-3, TW-7, TW-9, TW-12, TW-15, and TW-16, and two microwells, MIC-C, and MIC-D.

Of the 36 samples collected, 19 contained one or more VOCs which exceeded its respective NYSDEC drinking water standard. The pre-dominant compounds detected included cis-1,2-DCE, PCE, and TCE. Vinyl chloride was detected above its respective regulatory standard in 5 of the samples collected. Concentrations of cis-1,2-DCE ranged from 16.2 µg/L detected in TW-24 to 812 µg/L detected in TW-22. The NYSDEC drinking water standard for cis-1,2-DCE is 5 µg/L. Concentrations of PCE ranged from 28.1 µg/L detected in TW-15 to 560 µg/L detected in TW-22. The drinking water standard for PCE is 5 µg/L. Concentrations of TCE ranged from 7.6 µg/L in TW-24 to 378 µg/L in TW-22. Vinyl chloride was detected in TW-17, TW-21, TW-23, TW-25, and TW-27, at concentrations ranging from 4.41 in TW-17 to 40.3 in TW-25. The NYSDEC drinking water standard for vinyl chloride is 2 µg/L. Hexachlorobutadiene was detected in two samples, TW-29 and TW-31, at concentrations of 1.61 µg/L and 2.92 µg/L, respectively. The NYSDEC drinking water standard for hexachlorobutadiene is 0.5 µg/L. Hexachlorobutadiene is used as a solvent, to make lubricants, as a heat transfer liquid, and as a hydraulic fluid. This compound had not been previously detected at Site 6.

Other compounds detected at concentrations below their respective drinking water standards include 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, acetone, trans-1,2-DCE, and naphthalene. All groundwater GC screening results are presented in Table 6-3 and summarized in Figure 6-6.

6.3 Confirmatory Sampling

Confirmatory samples collected during this SDC included both subsurface soil and groundwater samples. All confirmatory soil and groundwater samples were submitted for laboratory analysis for VOCs, SVOCs, and TAL metals (total, aqueous samples). All confirmatory sampling data was submitted for third party data validation. Soil and groundwater confirmatory sampling results are discussed below.

6.3.1 Confirmatory Sampling Results - Soil

A total of fourteen confirmatory subsurface soil samples were submitted for laboratory analysis. Two of the fourteen samples were duplicate samples (SB-23D and SB-27D). Samples were selected for laboratory analysis based on field screening results as described in Section 5.3.4.1. Samples are identified by the soil boring from which they were collected followed by the depth of the sample interval bgs.

Of the fourteen samples collected, three contained chlorinated VOCs at concentrations exceeding their respective NYSDEC Cleanup Concentrations. TCE was detected in SB-19 7-8 at a concentration of 2,800 µg/kg, above the cleanup concentration of 700 µg/kg. PCE was detected in SB-25 5-6 and SB-26 5-6 at concentrations of 14,000 µg/kg and 20,000 µg/kg, respectively. The cleanup concentration for PCE is 1,400 µg/kg. These compounds were also detected at low concentrations in several other samples.

A number of petroleum related VOCs were also detected at concentrations below their respective cleanup concentrations. Toluene was detected in twelve of the samples collected with concentrations

TABLE - 6-3
GROUNDWATER SAMPLE RESULTS-SITE 6 SDC
GC SCREENING
SCHENECTADY ANGB

ANALYTE	DETECTION LIMITS ¹	NY STATE DWQS ²	SAMPLE NUMBERS							
			TW-1	TW-3	TW-7	TW-9	TW-12	TW-15	TW-16	
VOCs (ug/L)										
cis-1,2,-Dichloroethene	5	5	4.9	ND	1.61	278	61.6	22.1		ND
Tetrachloroethene	5	5	ND	ND	ND	335	4.09	28.1		ND
trans-1,2-Dichloroethene	5	5	ND	ND	ND	1.79	ND	ND		ND
Trichloroethene	5	5	1.22	ND	ND	45	12.7	3.06		ND
Vinyl Chloride	5	2	ND	ND	ND	1.09	ND	ND		ND

ANALYTE	DETECTION LIMITS ¹	NY STATE DWQS ²	SAMPLE NUMBERS							
			TW-17	TW-18	TW-19	TW-20	TW-21	TW-22	TW-23	
VOCs (ug/L)										
1,2,3-Trichlorobenzene	5	5	ND	ND	1.16	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	1.22
cis-1,2,-Dichloroethene	5	5	28.6	4.37	23.4	1.12	139	812	227	
Naphthalene	5	10	ND	ND	1.28	ND	ND	ND	ND	ND
Tetrachloroethene	5	5	ND	ND	ND	ND	ND	560	ND	ND
trans-1,2-Dichloroethene	5	5	ND	ND	ND	ND	ND	3.23	1.26	
Trichloroethene	5	5	ND	ND	51	ND	3.03	378	1.89	
Vinyl Chloride	5	2	4.41	ND	ND	ND	11	ND	7.08	

TABLE -6-3 (CONT)
GROUNDWATER SAMPLE RESULTS-SITE 6 SDC
GC SCREENING
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMITS ¹	NY STATE DWQS ²	SAMPLE NUMBERS						
			TW-24	TW-25	TW-26	TW-27	TW-28	TW-29	
VOCs (ug/L)									
1,2,3-Trichlorobenzene	5	5	ND	ND	ND	1.09	ND	2.23	
1,2,4-Trichlorobenzene	5	5	ND	ND	ND	ND	ND	2.04	
4-Isopropyltoluene	5	4	ND	ND	ND	ND	ND	1.25	
Acetone	5	NL	ND	ND	ND	ND	ND	19.8	
cis-1,2-Dichloroethene	5	5	16.2	20.3	34.6	67.5	ND	ND	
Hexachlorobutadiene	5	0.5	ND	ND	ND	ND	ND	2.92	
n-Butylbenzene	5	5	ND	ND	ND	ND	ND	1.56	
Naphthalene	5	10	ND	ND	ND	1.15	ND	2.31	
sec-Butylbenzene	5	5	ND	ND	ND	ND	ND	1.59	
Trichloroethene	5	5	7.6	ND	ND	3.53	ND	ND	
Vinyl Chloride	5	2	ND	40.3	ND	15.2	ND	ND	

ANALYTE	DETECTION LIMITS ¹	NY STATE DWQS ²	SAMPLE NUMBERS						
			TW-30	TW-31	TW-32	TW-33	TW-34	TW-35	TW-36
VOCs (ug/L)									
cis-1,2-Dichloroethene	5	5	ND	1.41	12.3	ND	ND	ND	ND
Hexachlorobutadiene	5	0.5	ND	1.61	ND	ND	ND	ND	ND
Naphthalene	5	10	1.86	1.22	1.21	ND	ND	ND	ND

TABLE - 6-3 (CONT)
GROUNDWATER SAMPLE RESULTS-SITE 6 SDC
GC SCREENING
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMITS ¹	NY STATE DWQS ²	SAMPLE NUMBERS						
			TW-37	TW-38	TW-39	6MW-03	6MW-08	6MW-09	6MW-10
VOCs (ug/L)									
cis-1,2-Dichloroethene	5	5	21.6	ND	107	31.3	ND	36.7	ND
Tetrachloroethene	5	5	63	ND	336	ND	ND	44.7	ND
trans-1,2-Dichloroethene	5	5	ND	ND	1.09	ND	ND	ND	ND
Trichloroethene	5	5	43.6	ND	36.7	ND	ND	3.83	ND

ANALYTE	DETECTION LIMITS ¹	NY STATE DWQS ³	SAMPLE NUMBERS	
			MIC-C	MIC-D
VOCs (ug/L)				
cis-1,2-Dichloroethene	5	5	2.25	ND

ABBREVIATIONS:

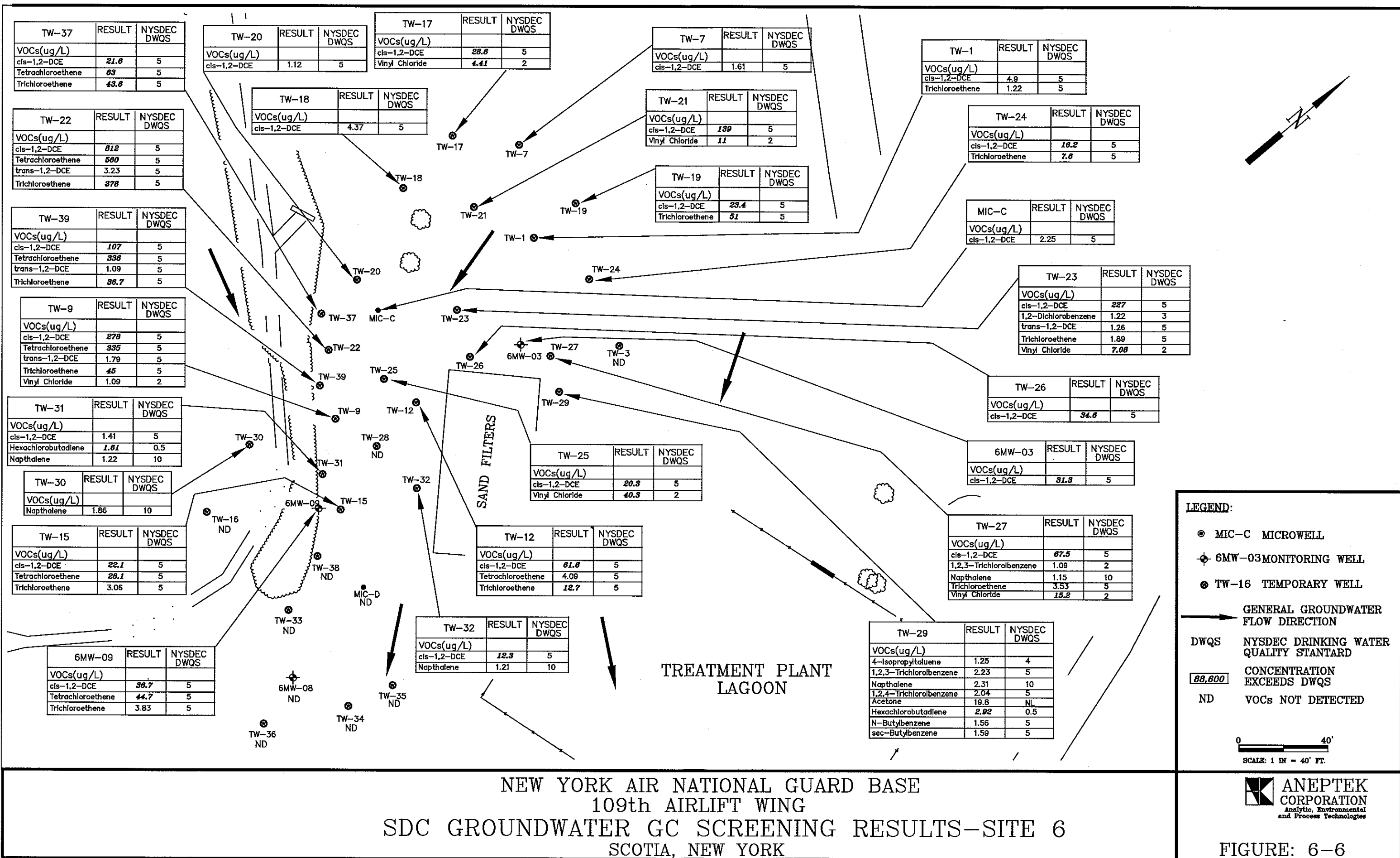
ug/L- micrograms per liter
 DWQS - Drinking Water Quality Standards
 NL - Not Listed
 ND - Not Detected
 TW - Temporary Well
 MW - Monitoring Well
 MCL - Maximum Contaminant Level
 NYSDEC - New York State Department
 of Environmental Conservation
 VOC's - Volatile Organic Compounds

NOTES:

- ¹ Contract Required Detection Limit for Organics (CDRL)
² NYSDEC Water Quality Standards and Guidance Values, June 1998.
 Sample screened only for the compounds listed.

DATA QUALIFIERS:

335 Indicates concentration that exceeds State or Federal regulatory limits.



ranging from 1.1 µg/kg in SB-21 7-8 to 14 µg/kg in SB-26 5-6. The cleanup concentration for toluene is 1,500 @kg. A number of other petroleum constituents were detected at low concentrations in sample SB-17 5-6, including isopropylbenzene (35 µg/kg), n-propylbenzene (29 µg/kg), 1,3,5-trimethylbenzene (8 µg/kg), 1,2,4-trimethylbenzene (12 @kg), 4 isopropyltoluene (180 µg/kg), and 1,2-dichlorobenzene (6.6 @kg). The remaining samples were generally free of VOC contamination.

SVOCs were detected in only one sample. Sample SB-22 5-6 reported concentrations of 1,3-dichlorobenzene, 1,4-dichlorobenzene, and 1,2-dichlorobenzene at concentrations of 100 µg/kg, 94 µg/kg, and 590 µg/kg, respectively. There is no cleanup concentration listed for these compounds. Three samples, SB-25 5-6, SB-26 5-6, and SB-27 5-6, had rejected results for 2,4-dinitrophenol and 4-nitrophenol due to low response factors during instrument calibration.

Several inorganic analytes were detected above their respective cleanup concentrations. Arsenic was detected in eleven of the samples with concentrations ranging from 8.2 mg/kg in SB-23 6-7 to 15.3 mg/kg in SB-28 7-8. The cleanup concentration for arsenic is 7.5 or site background (8 mg/kg). Chromium was detected in six of the samples collected with concentrations ranging from 23.3 mg/kg in SB-25 5-6 to 32.6 mg/kg in SB-18 2-4, exceeding the cleanup concentration of 10 mg/kg or site background (23 mg/kg). Chromium was also detected in the remaining eight samples at concentrations above 10 mg/kg but below the site background level of 23 mg/kg. Iron, nickel, and potassium were detected in several samples above their respective cleanup concentrations. Beryllium was detected in nine of the samples collected with concentrations ranging from 0.81 mg/kg in SB-27D 6-7.5 to 1.5 mg/kg detected in SB-18 2-4, exceeding the regulatory standard of 0.16 mg/kg or site background (0.81 mg/kg). It should be noted that SB-27D 6-7.5 is a duplicate sample of SB-27 6-7.5, beryllium was detected in SB-27 6-7.5 at a concentration of 0.7 mg/kg. All confirmatory soil sampling results are presented in Table 6-4 and summarized in Figure 6-7.

6.3.2 Confirmatory Sampling Results - Groundwater

Two rounds of confirmatory groundwater samples were collected. The first round was collected in June of 2002, the second in August of 2002. During each sampling event a total of 17 samples were collected, this number includes two duplicate samples per round (6MW-121 and 6MW-181 in the first round, 6MW-133 and 6MW-201 in the second round). It should be noted that monitoring well 6MW-11 is a converted temporary well (TW-30). It was converted into permanent well after the original well location did not recharge with adequate amounts of water to facilitate sample collection. Attempts were made to install an adequate sand pack around the well screen, however as this was not done during well installation, the effectiveness of the sand pack to filter out particulates from the groundwater was compromised. As a result, samples collected from 6MW-11 had a higher degree of turbidity than other samples collected. This is the probable cause for the increased detections of inorganics in the 6MW-11 sample results. The results for each round are discussed below.

6.3.2.1 June 2002 Results

Of the 17 samples collected, six contained VOCs above their respective NYSDEC DWQS. Vinyl chloride was detected in sample 6MW-03 at a concentration of 2.1 µg/L, slightly above the drinking water standard of 2.0 µg/L. Cis-1,2-DCE was detected in four of the samples collected with concentrations ranging from 16 µg/L in 6MW-09 to 41 µg/L in 6MW-03. Two other samples

TABLE 6-4
SOIL SAMPLING ANALYTICAL RESULTS
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE CLEAN UP CONC. ²	BACKGROUND CONC. ³	SAMPLE NUMBERS				
				SB-17 5-6	SB-18 2-4	SB-19 7-8	SB-20 4.5-5.5	SB-21 7-8
VOCs (ug/kg)								
Chloromethane	1.1	NL	ND	1.4	1.2	8.5	1.1	3.3
Vinyl Chloride	1.1	200	ND	1.1	1.2	1.1	1.1	1.2
trans-1,2-Dichloroethylene	1.1	300	ND	0.9	1.2	1.1	1.1	1.2
cis-1,2-Dichloroethene	1.1	NL	ND	2.7	1.2	1.10	10	22
Trichloroethene	1.1	700*	ND	5	1.2	2800	54	14
Benzene	1.1	60	ND	1.1	1.2	1.1	1.1	1.2
Tetrachloroethene	1.1	1400*	ND	2.1	1.2	1.1	1.4	3
Toluene	1.1	1500	5.4	1.3	1.2	1.1	4.4	1.1
Chlorobenzene	1.1	1700	ND	1.1	1.2	1.1	1.1	1.2
Isopropylbenzene	1.1	NL	ND	35	1.2	1.1	1.1	1.2
n-Propylbenzene	1.1	NL	ND	29	1.2	1.1	1.1	1.2
1,3,5-Trimethylbenzene	1.1	NL	ND	8	1.2	1.1	0.8	1.2
1,2,4-Trimethylbenzene	1.1	NL	ND	12	1.2	1.1	1.1	1.2
1,3-Dichlorobenzene	1.1	1600	ND	1.1	1.2	1.1	1.1	1.2
4-Isopropyltoluene	1.1	NL	ND	180	1.2	1.1	1.1	1.2
1,4-Dichlorobenzene	1.1	8500	ND	1.1	1.2	1.1	1.1	1.2
1,2-Dichlorobenzene	1.1	7900	ND	6.6	1.2	1.1	1.1	1.2
Naphthalene	1.1	13,000	ND	1.6	1.2	1.1	1.1	1.2
SVOCs (ug/Kg)								
1,3-Dichlorobenzene	330	NL	ND	430	440	370	370	390
1,4-Dichlorobenzene	330	NL	ND	430	440	370	370	390
1,2-Dichlorobenzene	330	NL	ND	430	440	370	370	390
2,4-Dinitrophenol	800	200 or MDL	ND	1100	1100	940	940	980
4-Nitrophenol	800	100 or MDL	ND	1100	1100	940	940	980
bis(2-Ethylhexyl)phthalate	330	50,000**	ND	430	440	370	370	390

TABLE 6-4 (Cont.)
SOIL SAMPLING ANALYTICAL RESULTS
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE CLEAN UP CONC. ²	BACKGROUND CONC. ³	SAMPLE NUMBERS				
				SB-17 5-6	SB-18 2-4	SB-19 7-8	SB-20 4.5-5.5	SB-21 7-8
INORGANICS (mg/Kg)								
Aluminum	40	SB	15,321	20400	27700	14100	13800	13400
Antimony	12	SB	17	1.4	1.4	1.2	1.2	1.3
Arsenic	2	7.5 or SB	8	9.5	8.5	13.8	12.8	6.3
Barium	40	300 or SB	97	148	286	74.1	74.3	101
Beryllium	1	.16 or SB	0.81	1.1	1.5	0.9	0.85	0.84
Cadmium	1	1 or SB	ND	0.66	Jb	Jb	Jb	Jb
Calcium	1000	SB	11,383	591	1880	11.7	11.6	12.2
Chromium	2	10 or SB	23	26.6	32.6	24.8	23.8	19.5
Cobalt	10	30 or SB	16	16.4	9.9	22	23.1	9.1
Copper	5	25 or SB	42	33.9	30	48.3	42.8	35.8
Iron	20	2,000 or SB	33,876	37000	40500	38500	37300	24800
Lead	0.6	SB	45	12.4	12.1	22.8	19.9	13.3
Magnesium	1000	SB	8,120	5800	6870	7080	6490	3460
Manganese	3	SB	855	666	215	783	887	751
Mercury	0.1	0.1	0.38	0.12	0.13	0.1	0.11	0.12
Nickel	8	13 or SB	29	38.3	39.4	50.5	42.7	30.1
Potassium	1000	SB	1,930	2420	2650	2050	2420	1970
Selenium	1	2 or SB	ND	0.51	0.53	0.45	0.45	0.47
Silver	2	SB	ND	0.4	0.41	0.35	0.35	0.37
Sodium	1000	SB	380	194	220	93.3	145	99.9
Thallium	2	SB	ND	0.93	0.96	0.82	0.81	0.86
Vanadium	10	150 or SB	30	35.7	38.5	22.1	22.2	28.2
Zinc	4	20 or SB	116	85.9	96.2	109	91.2	68.6
								Um, UJ
								U

TABLE 6-4 (Cont.)
SOIL SAMPLING ANALYTICAL RESULTS
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE CLEAN UP CONC. ²	BACKGROUND CONC. ³	SAMPLE NUMBERS					
				SB-22 5-6	SB-23 6-7	SB-23D 6-7	SB-24 4,5-5,5	SB-25 5-6	
VOCs (ug/kg)									
Chloromethane	1.1	NL	ND	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	U
Vinyl Chloride	1.1	200	ND	1.2 U	4.5 Jf, Jq	39 Jf	1.2 U	1.1 U	U
trans-1,2-Dichloroethylene	1.1	300	ND	1.2 U	1.2 U	3.2 Jf	1.2 U	1.1 U	U
cis-1,2-Dichloroethene	1.1	NL	ND	28	330 Jf	110 Jf	18	21	
Trichloroethene	1.1	700*	ND	22	8.2	6 Jq	11 Jm	17	
Benzene	1.1	60	ND	1.2 U	1.2 U	0.9 Jq	1.2 U	1.1 U	U
Tetrachloroethene	1.1	1400*	ND	2.3 Um	1.2 U	1.2 U	1 Jq	14000	
Toluene	1.1	1500	5.4	2.9 Jq	4.5 Jq	2.6 Jq	1.3 Jm, Jq	12	
Chlorobenzene	1.1	1700	ND	1.2 U	26 Jf	51 Jf	1.2 U	1.1 U	U
Isopropylbenzene	1.1	NL	ND	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	U
n-Propylbenzene	1.1	NL	ND	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	U
1,3,5-Trimethylbenzene	1.1	NL	ND	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	U
1,2,4-Trimethylbenzene	1.1	NL	ND	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	U
1,3-Dichlorobenzene	1.1	1600	ND	1.3 Jq	1.2 U	3.4 Jq	1.2 U	1.1 U	U
4-Isopropyltoluene	1.1	NL	ND	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	U
1,4-Dichlorobenzene	1.1	8500	ND	1.2 Jq	1.2 U	3.2 Jq	1.2 U	1.1 U	U
1,2-Dichlorobenzene	1.1	7900	ND	6.7	71 Um	91 Um	1.2 U	1.1 U	U
Naphthalene	1.1	13,000	ND	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	U
SVOCs (ug/Kg)									
1,3-Dichlorobenzene	330	NL	ND	100 Jq	400 U	420 U	390 U	370 U	U
1,4-Dichlorobenzene	330	NL	ND	94 JI, Jq	400 UJ	420 UJ	390 UJ	370 U, UJ	
1,2-Dichlorobenzene	330	NL	ND	590	400 U	420 U	390 U	370 U	U
2,4-Dinitrophenol	800	200 or MDL	ND	980 UJ	1000 UJ	1000 UJ	970 U		Rc
4-Nitrophenol	800	100 or MDL	ND	980 UJ	1000 UJ	1000 UJ	970 UJ		Rc
bis(2-Ethylhexyl)phthalate	330	50,000**	ND	57 Jq	400 U	420 U	390 U	370 U	U

TABLE 6-4 (Cont.)
SOIL SAMPLING ANALYTICAL RESULTS
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE CLEAN UP CONC. ²	BACKGROUND CONC. ³	SAMPLE NUMBERS				
				SB-22 5-6	SB-23 6-7	SB-23D 6-7	SB-24 4.5-5.5	SB-25 5-6
INORGANICS (mg/Kg)								
Aluminum	40	SB	15,321	14000	13100	14600	14100	14200
Antimony	12	SB	17	1.3 UJ	1.3 UJ	1.3 UJ	1.2 UJ	1.2 UJ
Arsenic	2	7.5 or SB	8	7.8 Jb	82 Jb	4.5 Jb	15 Jb	14.5 Jb
Barium	40	300 or SB	97	99.7	89.2	114	94.3	92
Beryllium	1	.16 or SB	0.81	0.76	0.76	0.78	0.88	0.89
Cadmium	1	1 or SB	ND	0.55 Jb	0.51 Jb	0.46	0.78 Jb	0.82 Jb
Calcium	1000	SB	11,383	1290	2130 Jf	659 Jf	106 Um	204
Chromium	2	10 or SB	23	19.6	19.3	20.3	23.5	23.3
Cobalt	10	30 or SB	16	17	12.5	13.1	23.6	23.4
Copper	5	25 or SB	42	33	28.4	17.7	54.7	53.3
Iron	20	2,000 or SB	33,876	27600	27400	22100	38500	37600
Lead	0.6	SB	45	13.3	13.1	16.7	23.6	21
Magnesium	1000	SB	8,120	5290	5090	3730	6280	6320
Manganese	3	SB	855	501	507	464	1030	1060
Mercury	0.1	0.1	0.38	0.11 U	0.11 U	0.12 U	0.12 U	0.11 Jm
Nickel	8	13 or SB	29	37.1	29.4	22.9	68.8	76.5
Potassium	1000	SB	1,930	2120	1920	1610	2330	2170
Selenium	1	2 or SB	ND	0.47 Ja, Jq	0.53 Jq	0.5 U	0.46 U	0.45 U
Silver	2	SB	ND	0.37 UJ	0.37 UJ	0.39 UJ	0.36 UJ	0.35 UJ
Sodium	1000	SB	380	121 Um, UJ	108 Um, UJ	647 Uf	106 Um, UJ	97.5 Um, UJ
Thallium	2	SB	ND	0.86 U	0.87 U	0.91 U	3.1 Um, UJ	0.82 U
Vanadium	10	150 or SB	30	23.7	24.5	28.9	21.8	21.8
Zinc	4	20 or SB	116	76.1	69.5	73.7	108	118

TABLE 6-4 (Cont.)
SOIL SAMPLING ANALYTICAL RESULTS
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE CLEAN UP CONC. ²	BACKGROUND CONC. ³	SAMPLE NUMBERS			
				SB-26 5-6	SB-27 6-7.5	SB-27D 6-7.5	SB-28 7-8
VOCs (ug/kg)							
Chloromethane	1.1	NL	ND	1.1 U	1.2 UJ	5 Jf, Jq	8.1 U
Vinyl Chloride	1.1	200	ND	1.1 U	1.2 U	1.2 U	1.1 U
trans-1,2-Dichloroethylene	1.1	300	ND	1.1 U	1.2 U	1.2 U	1.1 U
cis-1,2-Dichloroethene	1.1	NL	ND	66	1.2 U	1.2 U	35
Trichloroethene	1.1	700*	ND	65	1.2 U	1.2 U	8.4
Benzene	1.1	60	ND	1.1 U	1.2 U	1.2 U	1.1 U
Tetrachloroethene	1.1	1400*	ND	20000	1.2 U	1.2 U	0.6 Jq
Toluene	1.1	1500	5.4	14	5.9 Jq	2.7 Jq	2 Jq
Chlorobenzene	1.1	1700	ND	1.1 U	1.2 U	1.2 U	1.1 U
Isopropylbenzene	1.1	NL	ND	1.1 U	1.2 U	1.2 U	1.1 U
n-Propylbenzene	1.1	NL	ND	1.1 U	1.2 U	1.2 U	1.1 U
1,3,5-Trimethylbenzene	1.1	NL	ND	1.1 U	1.2 U	1.2 U	1.1 U
1,2,4-Trimethylbenzene	1.1	NL	ND	1.1 U	1.2 U	1.2 U	1.1 U
1,3-Dichlorobenzene	1.1	1600	ND	1.1 U	1.2 U	1.2 U	1.1 U
4-Isopropyltoluene	1.1	NL	ND	1.1 U	1.2 U	1.2 U	1.1 U
1,4-Dichlorobenzene	1.1	8500	ND	1.1 U	1.2 U	1.2 U	1.1 U
1,2-Dichlorobenzene	1.1	7900	ND	1.1 U	1.2 U	1.2 U	1.1 U
Naphthalene	1.1	13,000	ND	1.1 U	1.2 U	1.2 U	1.1 U
SVOCs (ug/Kg)							
1,3-Dichlorobenzene	330	NL	ND	370 U	400 U	410 U	380 U
1,4-Dichlorobenzene	330	NL	ND	370 UJ	400 U, UJ	410 UJ	380 U
1,2-Dichlorobenzene	330	NL	ND	370 U	400	410 U	380 U
2,4-Dinitrophenol	800	200 or MDL	ND	Rc	Rc	1000 U	960 UJ
4-Nitrophenol	800	100 or MDL	ND	Rc	Rc	1000 U	960 UJ
bis(2-Ethylhexyl)phthalate	330	50,000**	ND	370 U	400 U	410 U	380 U

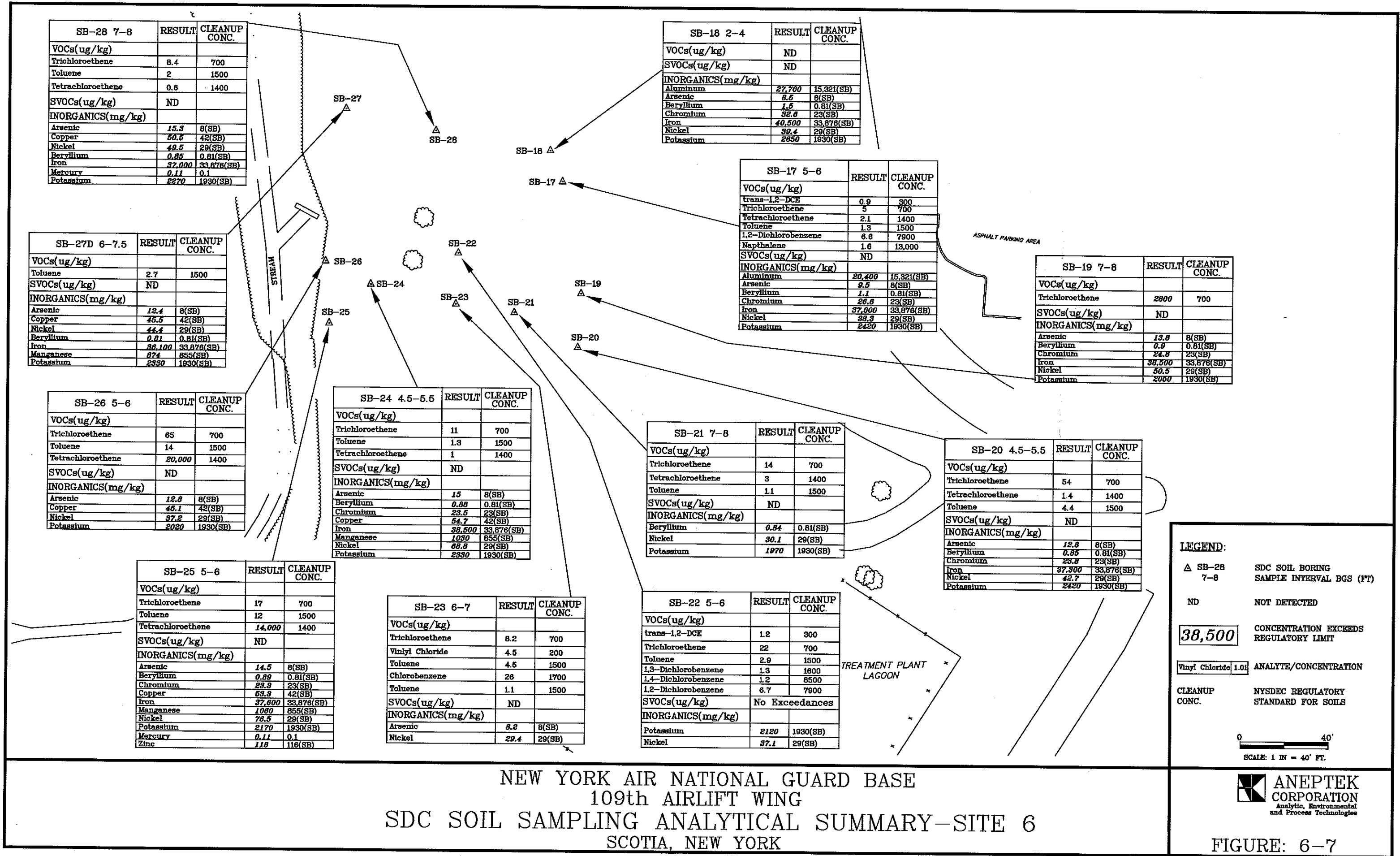
TABLE 6-4 (Cont.)
SOIL SAMPLING ANALYTICAL RESULTS
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE CLEAN UP CONC. ²	BACKGROUND CONC. ³	SAMPLE NUMBERS			
				SB-26 5-6	SB-27 6-7.5	SB-27D 6-7.5	SB-28 7-8
INORGANICS (mg/Kg)							
Aluminum	40	SB	15,321	11900	11500	12500	13200
Antimony	12	SB	17	1.2	1.3	1.3	1.2
Arsenic	2	7.5 or SB	8	12.8	11.8	12.4	15.3
Barium	40	300 or SB	97	67.1	70.9	77.6	79.2
Beryllium	1	.16 or SB	0.81	0.7	0.7	0.81	0.85
Cadmium	1	1 or SB	ND	0.5	0.53	0.61	0.69
Calcium	1000	SB	11,383	198	390	414	346
Chromium	2	10 or SB	23	20.5	19.9	22.3	22.9
Cobalt	10	30 or SB	16	12.3	16.6	19.3	19.9
Copper	5	25 or SB	42	46.1	42.9	45.5	50.5
Iron	20	2,000 or SB	33,876	32300	32800	36100	37000
Lead	0.6	SB	45	17.7	15.3	17.4	22.4
Magnesium	1000	SB	8,120	5500	5250	5810	6180
Manganese	3	SB	855	358	680	874	644
Mercury	0.1	0.1	0.38	0.11	0.11	0.12	0.11
Nickel	8	13 or SB	29	37.2	39.7	44.4	49.5
Potassium	1000	SB	1,930	2020	2150	2330	2270
Selenium	1	2 or SB	ND	0.45	0.5	0.56	0.46
Silver	2	SB	ND	0.35	0.37	0.38	0.36
Sodium	1000	SB	380	92.7	89.6	93.1	109
Thallium	2	SB	ND	0.81	0.86	0.88	0.83
Vanadium	10	150 or SB	30	19.8	19.7	21.7	21
Zinc	4	20 or SB	116	85.7	81.5	91.1	90.8

ABBREVIATIONS:
 ug/gg - micrograms per kilogram
 mg/kg - milligrams per kilogram
 MDL - Method Detection Limit
 NYSDEC - New York State Dept. of Environmental Conservation
 NA - Not Applicable
 ND - Not Detected
 NL - Not Listed
 RI - Remedial Investigation
 RPD - Relative Percent Difference
 SB - Soil Boring
 SVOCs - Semi-Volatile Organic Compounds
 TAGM - Technical and Administrative Guidance Memorandum
 VOCs - Volatile Organic Compounds

NOTES:
 1) Contract Required Detection Limit (CRDL)
 2) NYSDEC TAGM HVR-94-4046, Jan 24, 1994. Where applicable, the soil cleanup objectives were corrected for TOC levels. Where the GW based Soil Cleanup Objectives differed from the Recommended Soil Cleanup Objectives, the more stringent value was used.
 3) Background concentrations from RI.
 *) As per TAGM #4046, total VOCs < 10 ppm.
 **) As per TAGM #4046, total VOCs < 10 ppm, total SVOCs < 500 ppm, and individual SVOCs < 50 ppm must be maintained for the listed NYSDEC concentrations to apply.

DATA QUALIFIERS:
 U - Compound was analyzed for, but not detected
 UJ - The analyte was not detected above the reported sample quantitation limit
 Um - Sample result was less than the action level of 5X the maximum concentration found in any blank and has been qualified as nondetected.
 J - The analyte was positively identified; the associated value is the approx. concentration of analyte in the sample.
 Ja - The result of the furnace analytical spike was outside of criteria. Positive and/or conducted sample results are estimated dependent on the recovery.
 JB - The EIS recovery of an element is outside of criteria or nondetected interference was detected in the KSA analysis.
 Jc - The initial or continuing calibration verification standard was outside of control limits of 90-110%.
 Jf - Field duplicate #RPD was high for this compound.
 Jg - The recovery for the surrogate CRDL standard was outside the control limits of 80-120%.
 The positive and/or non-detected results are estimated dependent on the recovery.



reporting cis-1,2-DCE were 6MW-13 and 6MW-20, each at a concentration of 28 $\mu\text{g/L}$. The drinking water standard for cis-1,2-DCE is 5 $\mu\text{g/L}$. TCE was detected in samples 6MW-13 and 6MW-21 at a concentration of 18 $\mu\text{g/L}$, and in 6MW-121 (duplicate of sample 6MW-21), at a concentration of 17 $\mu\text{g/L}$. PCE was detected in sample 6MW-13 at a concentration of 3,700 $\mu\text{g/L}$. PCE was also detected in sample 6MW-09 at a concentration of 24 $\mu\text{g/L}$ and in 6MW-21 and 6MW-121 at a concentration of 260 $\mu\text{g/L}$, respectively. The drinking water standard for PCE is 5 $\mu\text{g/L}$.

These compounds were also detected at concentrations below their respective drinking water standards in numerous samples. Cis-1,2-DCE was detected in 6MW-18 and 6MW-181 (duplicate of 6MW-18) at a concentration of 18 $\mu\text{g/L}$. TCE was detected in samples 6MW-03, 6MW-09, and 6MW-20, at concentrations of 1.3 $\mu\text{g/L}$, 2.4 $\mu\text{g/L}$, and 1.3 $\mu\text{g/L}$, respectively. PCE was detected in 6MW-12, 6MW-14, 6MW-15, and 6MW-20, at concentrations of 2.4 $\mu\text{g/L}$, 1.4 $\mu\text{g/L}$, 0.5 $\mu\text{g/L}$, and 1.3 $\mu\text{g/L}$, respectively.

No SVOCs were detected in exceedance of NYSDEC DWQS. Only one SVOC was detected. Bis (2-Ethylhexyl)phthalate was detected in samples 6MW-17, 6MW-18, and 6MW-19 at concentrations of 4 $\mu\text{g/L}$, 1 $\mu\text{g/L}$, and 2 $\mu\text{g/L}$, respectively. The drinking water standard for bis (2-Ethylhexyl)phthalate is 5 $\mu\text{g/L}$. No other SVOCs were detected in any of the samples collected.

Several inorganics were detected at concentrations exceeding their respective NYSDEC DWQS. Of these analytes, iron and sodium were the most prevalent. Iron was detected in 12 of the 17 samples collected at concentrations ranging from 310 $\mu\text{g/L}$ in 6MW-09 to 13,300 $\mu\text{g/L}$ in 6MW-17, exceeding the water quality standard of 300 $\mu\text{g/L}$. Sodium was detected in 14 of the samples collected at concentrations exceeding the water quality standard of 20,000 $\mu\text{g/L}$. Concentrations ranged from 23,300 $\mu\text{g/L}$ detected in 6MW-16 to 162,000 $\mu\text{g/L}$ detected in 6MW-19. Magnesium was detected in seven of the samples collected at concentrations ranging from 41,500 $\mu\text{g/L}$ in 6MW-121 to 63,900 $\mu\text{g/L}$ detected in 6MW-15. The water quality standard for magnesium is 35,000 $\mu\text{g/L}$. Manganese was detected in eleven of the samples collected above its respective water quality standard of 300 $\mu\text{g/L}$. Cobalt was detected in four of the samples collected exceeding the water quality standard of 5 $\mu\text{g/L}$. Antimony was detected in 6MW-17 and 6MW-181 at concentrations of 13.4 $\mu\text{g/L}$ and 11 $\mu\text{g/L}$, respectively, exceeding the water quality standard of 5 $\mu\text{g/L}$. Analytical results from the June sampling event are presented in Table 6-5 and summarized in Figure 6-8.

6.3.2.2 August 2002 Results

Of the 17 samples collected during the second round of sampling, six contained VOCs above their respective NYSDEC DWQS. Vinyl chloride was detected in sample 6MW-03 at a concentration of 6.51 $\mu\text{g/L}$, exceeding the drinking water standard of 2.0 $\mu\text{g/L}$. Cis-1,2-DCE was detected in five of the samples collected. Concentrations ranged from 12 $\mu\text{g/L}$ in 6MW-09 to 120 $\mu\text{g/L}$ in 6MW-133 (duplicate sample of 6MW-13). Cis-1,2-DCE was also detected in 6MW-03, 6MW-13, and 6MW-21 at concentrations of 46 $\mu\text{g/L}$, 98 $\mu\text{g/L}$, and 71 $\mu\text{g/L}$, respectively. The drinking water standard for cis-1,2-DCE is 5 $\mu\text{g/L}$. TCE was detected in samples 6MW-13, 6MW-21, and 6MW-133 at concentrations of 48 $\mu\text{g/L}$, 16 $\mu\text{g/L}$ and 48 $\mu\text{g/L}$, respectively, above the drinking water standard of 5 $\mu\text{g/L}$. PCE was detected in samples 6MW-09, 6MW-13, 6MW-21, and 6MW-133 at concentrations of 16 $\mu\text{g/L}$, 570 $\mu\text{g/L}$, 300 $\mu\text{g/L}$, and 740 $\mu\text{g/L}$, respectively. The drinking water standard for PCE is 5 $\mu\text{g/L}$.

These compounds were also detected at levels below their respective drinking water standards in samples 6MW-09 (TCE at 1.7 $\mu\text{g/L}$), 6MW-20 (cis-1,2-DCE at 2.7 $\mu\text{g/L}$), and 6MW-201 (cis-1,2-DCE at 4.1 $\mu\text{g/L}$). Trans-1,2-DCE was detected in 6MW-133 at a concentration of 1.2 $\mu\text{g/L}$. The

TABLE 6-5
GROUND WATER SAMPLING RESULTS - FIRST ROUND-JUNE 2002
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE DWQS ²	BACKGROUND CONC. ³	SAMPLE NUMBERS										
				6MW-03		6MW-08		6MW-09		6MW-10		6MW-11		
VOCs (ug/L)														
Vinyl Chloride	1.0	2	ND	2.1	J	1	U	1	U	1	U	1	U	
trans-1,2-Dichloroethylene	1.0	5	ND	1	U	1	U	1	U	1	U	1	U	
cis-1,2-Dichloroethene	1.0	5	ND	41		1	U	16		1	U	1	U	
Trichloroethene	1.0	5	ND	1.3	J	1	U	2.4	J	1	U	1	U	
Tetrachloroethene	1.0	5	ND	1	U	1	U	24		1	U	1	U	
SVOCs (ug/L)														
bis (2-Ethylhexyl) phthalate	10		12	11	U	10	U	11	U	11	U	11	U	
INORGANICS (ug/L)														
Aluminum	200	NL	10.2	UJ	69	Jm	202	Jm	175	Jm	1030	Jm	5380	Jm
Antimony	60	3	2.6	UJ	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
Arsenic	10	25	2.6	UJ	3.6	Jq	2.6	U	2.6	U	2.6	U	2.6	U
Barium	200	1000	78.8	J	153	Jm	67.7	Jm	98.4	Jm	42.1	Jm	129	Jm
Beryllium	5	3 ^c	0.4	J	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U
Cadmium	5	5	0.4	J	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U
Calcium	5000	NL	####		68700		138000		74100		####		175000	
Chromium	10	50	14		0.83	U	0.83	U	0.83	U	0.88	Jq,Jm	5.9	Jm
Cobalt	50	5	0.6	U	2.5	U	2.5	U	2.5	U	2.5	U	5.2	
Copper	25	200	0.5	UJ	6.9	U	6.9	U	6.9	U	6.9	U	10.2	Jq,Jm
Iron	100	300	1.3	U	2250	Jm	3020	Jm	310	Jm	1770	Jm	8180	Jm
Lead	3	25	1.1	U	2.9	UJ	2.9	UJ	2.9	UJ	2.9	UJ	6	Jg
Magnesium	5000	35000 ^c	####	J	20300		45900		22300		####		50300	
Manganese	15	300	85	J	425		1140		66.9		235		1120	
Mercury	0.2	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	40	100	3.8	J	29.6	Jq, Jm	15.2	U	15.2	U	15.2	U	15.2	U
Potassium	5000	NL	3360	J	7230	Jp	4570	Jp	9620	Jp	1880	Jp	8960	Jp
Selenium	2	10	2	U	2	U	2	U	2	U	2	U	2	U
Silver	10	50	10	U	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ
Sodium	5000	20000	6870	J	75600		64400		77800		5320		23500	
Thallium	10	0.5 ^c	1.1	U	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U
Vanadium	50	NL	1.2	U	3.7	U	3.7	U	3.7	U	3.7	U	9.1	
Zinc	20	2000 ^c	9.2	J	17.8	U	17.8	U	17.8	U	17.8	U	23.4	Jq

TABLE 6-5 (Cont.)
GROUND WATER SAMPLING RESULTS - FIRST ROUND-JUNE 2002
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE DWQS ²	BACKGROUND CONC. ³	SAMPLE NUMBERS										
				6MW-12		6MW-13		6MW-14		6MW-15		6MW-16		
VOCs (ug/L)														
Vinyl Chloride	1.0	2	ND	1	U	1	U	1	U	1	U	1	U	
trans-1,2-Dichloroethylene	1.0	5	ND	1	U	1	U	1	U	1	U	1	U	
cis-1,2-Dichloroethene	1.0	5	ND	1	U	28	J	1	U	1	U	1	U	
Trichloroethene	1.0	5	ND	1	U	18	J	1	U	1	U	1	U	
Tetrachloroethene	1.0	5	ND	2.4	J	3700	J	1.4	J	0.5	J	1	U	
SVOCs (ug/L)														
bis (2-Ethylhexyl) phthalate	10		12	11	U	10	U	10	U	11	U	10	U	
INORGANICS (ug/L)														
Aluminum	200	NL	10.2	UJ	113	Jm	109	Jm	764	Jm	422	Jm	272	Jm
Antimony	60	3	2.6	UJ	5.3	U	5.3	U	5.3	U	5.3	UJ	5.3	U
Arsenic	10	25	2.6	UJ	2.6	U	2.6	U	2.6	U	2.6	UJ	2.6	U
Barium	200	1000	78.8	J	80.3	Jm	121	Jm	84.9	Jm	66.5	Jm	168	Jm
Beryllium	5	3 ^c	0.4	J	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U
Cadmium	5	5	0.4	J	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U
Calcium	5000	NL	71900		173000		107000		29200		266000		74600	
Chromium	10	50	14		0.83	U	0.83	U	0.83	U	0.83	U	0.83	U
Cobalt	50	5	0.6	U	3.1	Jq	2.5	U	2.5	U	2.5	U	2.5	U
Copper	25	200	0.5	UJ	6.9	U	6.9	U	6.9	U	6.9	U	6.9	U
Iron	100	300	1.3	U	71.9	Jm	124	Jm	1020	Jm	581	Jm	354	Jm
Lead	3	25	1.1	U	2.9	UJ	2.9	UJ	2.9	UJ	2.9	UJ	2.9	UJ
Magnesium	5000	35000 ^c	18600	J	58500		32700		9960		63900		25000	
Manganese	15	300	85	J	2600		1640		269		88		1150	
Mercury	0.2	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	40	100	3.8	J	15.2	U	15.2	U	15.2	U	15.2	U	15.2	U
Potassium	5000	NL	3360	U	4690	Jp	4520	Jp	5090	Jp	9360	Jp	9530	Jp
Selenium	2	10	2	U	2	U	2	U	2	U	2	U	2	U
Silver	10	50		U	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ
Sodium	5000	20000	6870	J	6410		19300		93800		100000		23300	
Thallium	10	0.5 ^c	1.1	U	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U
Vanadium	50	NL	1.2	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U
Zinc	20	2000 ^c	9.2	J	17.8	U	17.8	U	17.8	U	17.8	U	17.8	U

TABLE 6-5 (Cont.)
GROUND WATER SAMPLING RESULTS - FIRST ROUND-JUNE 2002
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE DWQS ²	BACKGROUND CONC. ³	SAMPLE NUMBERS										
				6MW-17		6MW-18		6MW-19		6MW-20		6MW-21		
VOCs (ug/L)														
Vinyl Chloride	1.0	2	ND	1	U	1	U	1	U	1	U	1	U	
trans-1,2-Dichloroethylene	1.0	5	ND	1	U	1	U	1	U	1	U	1.2	J	
cis-1,2-Dichloroethene	1.0	5	ND	1	U	0.8	J	1	U	28		1	U	
Trichloroethene	1.0	5	ND	1	U	1	U	1	U	1	J	18		
Tetrachloroethene	1.0	5	ND	1	U	1	U	1	U	1.3	J	260		
SVOCs (ug/L)														
bis (2-Ethylhexyl) phthalate	10	5	12	4	J	1	J	2	J	10	U	10	U	
INORGANICS (ug/L)														
Aluminum	200	NL	10.2	UJ	7220	Jm	73.7	Jm, Jf	449	Jm	248	Jm	3040	Jm
Antimony	60	3	2.6	UJ	13.4		5.3	U	5.3	U	5.3	U	5.3	U
Arsenic	10	25	2.6	UJ	6.8		2.6	U	2.6	U	2.6	U	4.8	Jq
Barium	200	1000	78.8	J	377	Jm	145	Jm	493	Jm	224	Jm	188	Jm
Beryllium	5	3 ^c	0.4	J	0.31	Jq	0.23	U	0.23	U	0.23	U	0.23	U
Cadmium	5	5	0.4	J	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U
Calcium	5000	NL	71900		61700		84200		50800		90800		157000	
Chromium	10	50	14		10.1	Jm	0.83	U	0.83	U	0.83	U	2.8	Jm
Cobalt	50	5	0.6	U	6.9		2.5	U	2.5	U	2.5	U	7	
Copper	25	200	0.5	UJ	18.1	Jm	6.9	U	6.9	U	6.9	Jq, Jm	10.8	Jq, Jm
Iron	100	300	1.3	U	13300	Jm	107	Jm, Jf	654	Jm	219	Jm	5960	Jm
Lead	3	25	1.1	U	7.2	Jg	2.9	UJ	2.9	UJ	2.9	UJ	4.9	Jq, Jg
Magnesium	5000	35000 ^c	18600	J	28900		22600		20900		38000		44200	
Manganese	15	300	85	J	462		2710		244		694		1230	
Mercury	0.2	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	40	100	3.8	J	21.7	Jq, Jm	15.2	U	15.2	U	15.2	U	16.6	Jq, Jm
Potassium	5000	NL	3360	U	17800	Jp	12900	Jp	11700	Jp	9920	Jp	9050	Jp
Selenium	2	10	2	J	2	U	2	U	2	U	2	U	2	U
Silver	10	50		U	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ
Sodium	5000	20000	6870	J	110000		79300		162000		82700		36900	
Thallium	10	0.5 ^c	1.1	U	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U
Vanadium	50	NL	1.2	U	12.1		3.7	U	3.7	U	3.7	U	5.5	Jq
Zinc	20	2000 ^c	9.2	J	39.8		17.8	U	17.8	U	17.8	U	23.2	Jq

TABLE 6-5 (Cont.)
GROUND WATER SAMPLING RESULTS - FIRST ROUND-JUNE 2002
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE DWQS ²	BACKGROUND CONC. ³		SAMPLE NUMBERS			
					6MW-121 ⁴		6MW-181 ⁵	
VOCs (ug/L)								
Vinyl Chloride	1.0	2	ND		1	U	1	U
trans-1,2-Dichloroethylene	1.0	5	ND		0.7	J	1	U
cis-1,2-Dichloroethene	1.0	5	ND		1	U	0.8	J
Trichloroethene	1.0	5	ND		17		1	U
Tetrachloroethene	1.0	5	ND		260		1	U
SVOCs (ug/L)								
bis (2-Ethylhexyl) phthalate	10	5	12		11	U	11	U
INORGANICS (ug/L)								
Aluminum	200	NL	10.2	UJ	2840	Jm	815	Jm, Jf
Antimony	60	3	2.6	UJ	5.3	U	11	
Arsenic	10	25	2.6	UJ	4.7	Jq	2.6	U
Barium	200	1000	78.8	J	178	Jm	185	Jm
Beryllium	5	3 ^c	0.4	J	0.23	U	0.23	U
Cadmium	5	5	0.4	J	0.48	U	0.48	U
Calcium	5000	NL	71900		148000		95300	
Chromium	10	50	14		3	Jm	0.83	U
Cobalt	50	5	0.6	U	8		2.5	U
Copper	25	200	0.5	UJ	10.8	Jq, Jm	9.4	Jq, Jm
Iron	100	300	1.3	U	5800	Jm	1450	Jm, Jf
Lead	3	25	1.1	U	7.1	Jg	2.9	UJ
Magnesium	5000	35000 ^c	18600	J	41500		28000	
Manganese	15	300	85	J	1280		3120	
Mercury	0.2	0.7	0.2	U	0.2	U	0.2	U
Nickel	40	100	3.8	J	17.3	Jq, Jm	15.2	U
Potassium	5000	NL	3360	U	9680	Jp	14500	Jp
Selenium	2	10	2	U	2	U	2	U
Silver	10	50	2	U	1.9	Um, UJ	1.6	UJ
Sodium	5000	20000	6870	J	34200		92500	
Thallium	10	0.5 ^c	1.1	U	3.6	U	3.6	U
Vanadium	50	NL	1.2	U	5.4	Jq	3.7	U
Zinc	20	2000 ^c	9.2	J	26.2	Jq	17.8	U

ABBREVIATIONS:

ug/L - micrograms per liter
 CRDL - Contract Required Detection Limit
 DWQS - Drinking Water Quality Stds.
 IDL - Instrument Detection Limit
 MCL - Maximum Contaminant Level
 MS(D) - Matrix Spike (Duplicate)
 ND - Not Detected
 NL - Not Listed
 NYSDEC - New York State Dept. of
 Environmental Conservation
 RI - Remedial Investigation
 RPD - Relative Percent Difference
 SVOCs - Semi-Volatile Organic Compounds
 VOCs - Volatile Organic Compounds

NOTES:

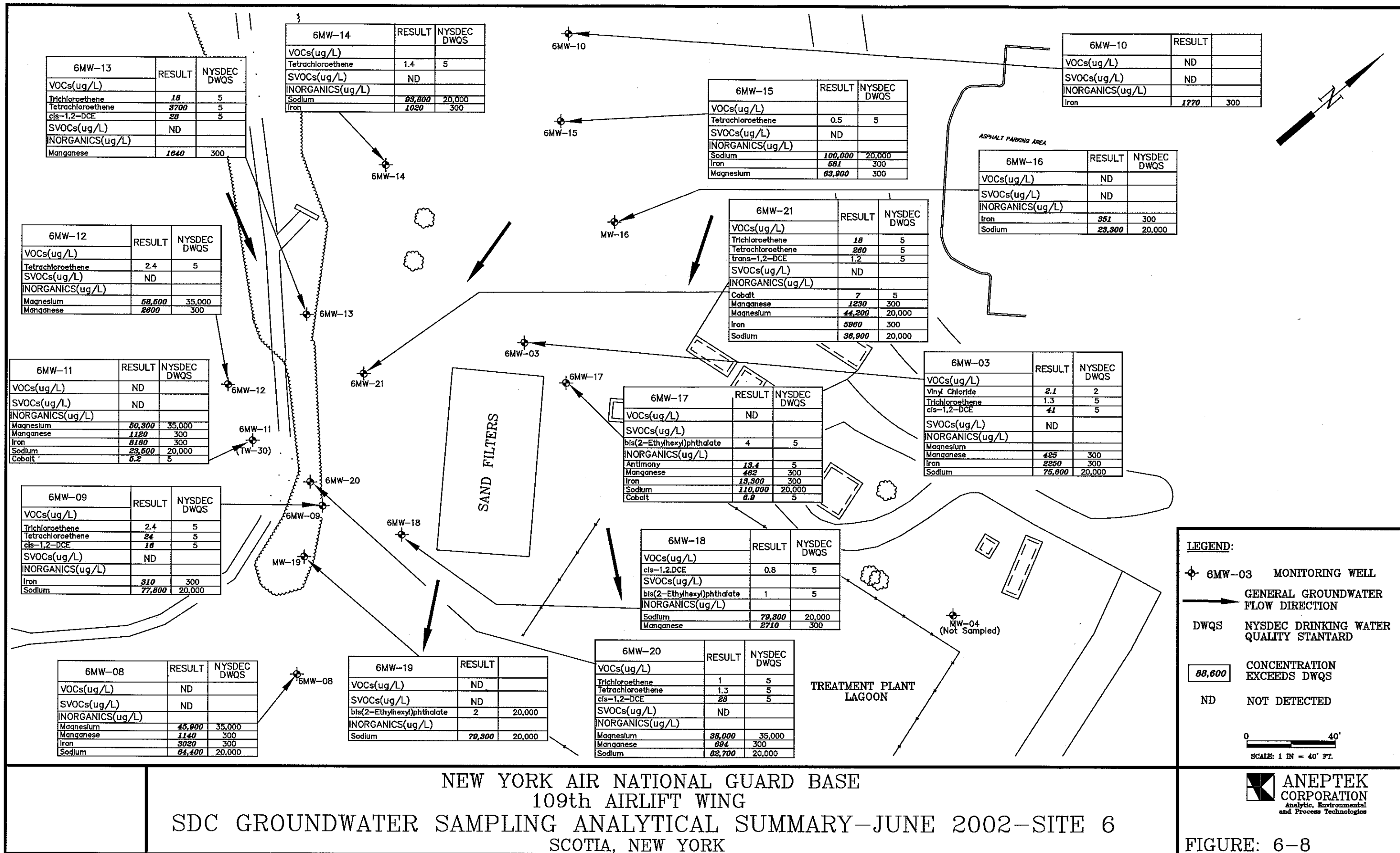
- 1) Contract Required Detection Limit (CRDL)
 - 2) NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998.
 - 3) Background concentrations from RI (Aneptek, Sept.2002)
 - 4) 6MW-121 is a duplicate sample of 6MW-21.
 - 5) 6MW-181 is a duplicate sample of 6MW-18.
- c) The value listed is a guidance for the protection of drinking water from a groundwater source.

DATA QUALIFIERS:

U - Compound was analyzed for, but not detected
 UJ - The analyte was not detected above the reported sample quantitation limit.

DATA QUALIFIERS:

J - The analyte was positively identified; the associated value is the approx. concentration of analyte in the sample.
 Jf - Field duplicate %RPD was high for this compound
 Jg - The recovery for the inorganic CRDL standard was outside the control limits of 80-120%. The positive and/or non-detected results are estimated dependent on the recovery.
 Jm - The MS and/or MSD % recoveries were not within the control limits for this compound
 Jp - The results of the ICP Serial Dilution analysis were outside of criteria. Positive sample results are estimated.
 Jq - For inorganics, the result is estimated as the level less than 2X the instrument detection limit. For organics, the result is estimated as the level less than the lowest calibration standard.
 107 - Indicates concentration that exceeds either State or Federal regulatory limits.



water quality standard for trans-1,2,-DCE is 5 $\mu\text{g/L}$.

No SVOCs were detected in exceedance of NYSDEC DWQS. Only one SVOC was detected. Bis (2-Ethylhexyl)phthalate was detected in samples 6MW-11 and 6MW-15 at a concentration of 1 $\mu\text{g/L}$, and in 6MW-17 at 4 $\mu\text{g/L}$, respectively. The drinking water standard for bis (2-Ethylhexyl)phthalate is 5 $\mu\text{g/L}$. No other SVOCs were detected in any of the samples collected.

Inorganic results for the August sampling event generally mirrored the results from the June event. Iron and sodium were again detected above their respective water quality standards in the majority of samples collected. Iron being detected in 12 of the 15 samples collected at concentrations ranging from 421 $\mu\text{g/L}$ in 6MW-15 to 78,000 $\mu\text{g/L}$ in 6MW-11, exceeding the water quality standard of 300 $\mu\text{g/L}$. Sodium was detected in 15 of the samples collected at concentrations ranging from 22,200 $\mu\text{g/L}$ detected in 6MW-11 to 141,000 $\mu\text{g/L}$ detected in 6MW-19. The water quality standard for sodium is 20,000 $\mu\text{g/L}$. Magnesium was detected in six of the samples collected at concentrations ranging from 35,500 $\mu\text{g/L}$ in 6MW-201 to 68,400 $\mu\text{g/L}$ detected in 6MW-11, exceeding the water quality standard of 35,000 $\mu\text{g/L}$. Manganese was detected in fifteen of the samples collected above its respective water quality standard of 300 $\mu\text{g/L}$ with concentrations ranging from 378 $\mu\text{g/L}$ in 6MW-19 to 5,290 $\mu\text{g/L}$ detected in 6MW-18. Antimony was detected in six samples, with concentrations ranging from 5.5 $\mu\text{g/L}$ detected in 6MW-13 to 13.7 $\mu\text{g/L}$ in 6MW-08, exceeding the water quality standard of 3 $\mu\text{g/L}$. Cobalt was detected in six of the samples collected exceeding the water quality standard of 5 $\mu\text{g/L}$. Concentrations ranged from 5.1 $\mu\text{g/L}$ in 6MW-20 to 57.6 $\mu\text{g/L}$ in 6MW-11. Arsenic and chromium were detected in 6MW-11 at concentrations of 26.8 $\mu\text{g/L}$ and 55.7 $\mu\text{g/L}$, respectively. The drinking water quality standards for these analytes are 25 $\mu\text{g/L}$ and 50 $\mu\text{g/L}$, respectively. Analytical results from the August sampling event are presented in Table 6-6 and summarized in Figure 6-9.

6.4 Extent of Contamination-Site 6

The following section presents a summary of the extent of soil and groundwater contamination present at Site 6. Information obtained during the performance of the RI and the TCRA was incorporated with information from the SDC in formulating the extent of contamination.

6.4.1 Extent of Soil Contamination

The extent of soil contamination at Site 6 is based on confirmatory subsurface soil sampling results as described in section 6.3.1, confirmatory sample results from the TCRA conducted at Site 6 prior to the implementation of the SDC (Section 3.5), and confirmatory and soil screening sampling results from the RI (Section 3.3.1). Sampling results indicate that while the majority of Site 6 is generally free of soil contamination, isolated areas of VOC contamination above regulatory clean up standards were identified. Sample results from soil borings SB-19, SB-25, and SB-26, all reported elevated levels of chlorinated VOCs. Sample SB-19, collected from the 7-8 ft bgs interval, contained TCE at a concentration of 2,800 ug/kg , exceeding the cleanup concentration of 700 ug/kg . Samples SB-25 and SB-26, both collected from the 5 to 6 ft bgs interval, contained PCE at concentrations of 14,000 and 20,000 ug/kg , respectively. These concentrations are an order of magnitude greater than the cleanup concentration of 1,400 ug/kg . In addition, borings SB-25 and SB-26 are located just to the east and west of the limits of excavation conducted at Area A during the TCRA (Section 3.5). Confirmatory soil samples collected from the east and west sidewalls at Area A during the TCRA also contained PCE at levels of 1,800 and 3,200 ug/kg , respectively (Figure 3-6). Boring SB-19 is located to the just northwest limit of excavation at TCRA Area C, although confirmatory sample results from Area C were all below regulatory cleanup standards.

TABLE 6-6
GROUND WATER SAMPLING RESULTS - SECOND ROUND-AUGUST 2002
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE DWQS ²	BACKGROUND CONC. ³		SAMPLE NUMBERS									
					6MW-03		6MW-08		6MW-09		6MW-10		6MW-11	
VOCs (ug/L)														
Vinyl Chloride	1.0	2	ND		6.5		1	U	1	U	1	U	1	U
trans-1,2-Dichloroethylene	1.0	5	ND		1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	1.0	5	ND		46		1	U	12		1	U	1	U
Trichloroethene	1.0	5	ND		1	U	1	U	1.7	Jq	1	U	1	U
Tetrachloroethene	1.0	5	ND		1	U	1	U	16		1	U	1	U
SVOCs (ug/L)														
bis (2-Ethylhexyl) phthalate	10	5	12		10	U	10	U	10	U	10	U	1	J
INORGANICS (ug/L)														
Aluminum	200	NL	10.2	UJ	65.3		198	Je	306	Je	1910		37800	
Antimony	60	3	2.6	UJ	12.3		13.7		5.3	U	5.3	U	5.3	U
Arsenic	10	25	2.6	UJ	6.1		2.6	U	2.6	U	2.6	U	26.8	
Barium	200	1000	78.8	J	149		68.8		114		63.5		674	
Beryllium	5	3c	0.4	J	0.23	U	0.23	U	0.23	U	0.23	U	2.7	
Cadmium	5	5	0.4	J	0.48	U	0.48	U	0.48	U	0.48	U	1.5	
Calcium	5000	NL	71900		64200		116000		95900		51000		206000	
Chromium	10	50	14		0.83	U	0.83	U	0.83	U	2.4		55.7	
Cobalt	50	5	0.6	U	2.5	U	2.5	U	2.5	U	2.5	U	57.6	
Copper	25	200	0.5	UJ	6.9	U	6.9	U	6.9	U	6.9	U	107	
Iron	100	300	1.3	U	1120		3020		672		2510		78000	
Lead	3	25	1.1	U	2.9	UJ	2.9	U	2.9	U	2.9	U	50.1	
Magnesium	5000	35000c	18600	J	17700		41100		29700		14200		68400	
Manganese	15	300	85	J	451		784		91.7		57.9		5150	
Mercury	0.2	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	Jq
Nickel	40	100	3.8	J	15.2	U	15.2	U	15.2	U	15.2	U	130	
Potassium	5000	NL	3360	J	6930	Jp	5030	Jp	9620	Jp	2280	Jp	16700	Jp
Selenium	2	10	2	U	3.4	Jm	2.4	Ja	2	U	2	U	2	UJ
Silver	10	50	10	U	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ
Sodium	5000	20000	6870	J	88600		92400		82200		5880		22200	
Thallium	10	0.5c	1.1	U	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U
Vanadium	50	NL	1.2	U	3.7	U	3.7	U	3.7	U	3.7	U	66.7	
Zinc	20	2000c	9.2	J	17.8	U	34.5	Jq	17.8	U	17.8	U	243	

TABLE 6-6 (Cont.)
GROUND WATER SAMPLING RESULTS - SECOND ROUND-AUGUST 2002
SITE 6 SDC
SCHEENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE DWQS ²	BACKGROUND CONC. ³		SAMPLE NUMBERS									
					6MW-12		6MW-13		6MW-14		6MW-15		6MW-16	
VOCs (ug/L)														
Vinyl Chloride	1.0	2	ND		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethylene	1.0	5	ND		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethene	1.0	5	ND		1.0	U	98		1.0	U	1.0	U	1.0	U
Trichloroethene	1.0	5	ND		1.0	U	48		1.0	U	1.0	U	1.0	U
Tetrachloroethene	1.0	5	ND		1.0	U	570		1.0	U	1.0	U	1.0	U
SVOCs (ug/L)														
bis (2-Ethylhexyl) phthalate	10	5	12		10	U	10	U	10	U	1	Jq	10	U
INORGANICS (ug/L)														
Aluminum	200	NL	10.2	UJ	493	B	479	Jf	726		179		1320	
Antimony	60	3	2.6	UJ	5.3	U	5.5	Jq	5.3	U	5.3	U	10.2	Jq
Arsenic	10	25	2.6	UJ	2.6	U	2.6	U	2.6	U	2.6	U	20.8	
Barium	200	1000	78.8	J	72.8		161	B	163	B	84.8	Jc	237	Jc
Beryllium	5	3 ^c	0.4	J	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U
Cadmium	5	5	0.4	J	0.48	U	0.64	Jq	0.48	U	0.48	U	0.48	U
Calcium	5000	NL	71900		152000		132000		23600		118000		92700	
Chromium	10	50	14		1.2	Jq	0.83	U	0.83	U	0.83	U	0.83	U
Cobalt	50	5	0.6	U	9.2		3.6	Jq	3.5	Jq	3.5	Jq	11.6	
Copper	25	200	0.5	UJ	6.9	U	6.9	U	6.9	U	6.9	U	6.9	U
Iron	100	300	1.3	U	972		829	Jf	1280		421		2620	
Lead	3	25	1.1	U	2.9	U	2.9	UJ	2.9	UJ	2.9	Ujg	2.9	UJ
Magnesium	5000	35000 ^c	18600	J	53500		35900		6760		33400		29600	
Manganese	15	300	85	J	3070		1560		908		1210		4510	
Mercury				J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	40	100	3.8	J	15.2	U	15.2	U	15.2	U	15.2	U	20.5	Jq
Potassium	5000	NL	3360	U	3080	Jp	4940	Jp	4780	Jp	9340	Jp	9230	Jp
Selenium			10	J	2	U	2	UJ	2	UJ	2	UJ	2	UJ
Silver	10	50		U	1.6	UJ	1.6	UJ	1.6	UJ	1.6	Ujm	1.6	UJ
Sodium	5000	20000	6870	J	5490		25600		130000		64700		40200	
Thallium	10	0.5 ^c	1.1	U	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U
Vanadium	50	NL	1.2	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U
Zinc	20	2000 ^c	9.2	J	17.8	U	17.8	U	17.8	U	17.8	U	28.4	Jq

TABLE 6-6 (Cont.)
GROUND WATER SAMPLING RESULTS - SECOND ROUND-AUGUST 2002
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE DWQS ³	BACKGROUND CONC. ³	SAMPLE NUMBERS									
				6MW-17		6MW-18		6MW-19		6MW-20		6MW-21	
VOCs (ug/L)													
Vinyl Chloride	1.0	2	ND	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethylene	1.0	5	ND	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethene	1.0	5	ND	1.0	U	1.0	U	1.0	U	2.7		71	
Trichloroethene	1.0	5	ND	1.0	U	1.0	U	1.0	U	1.0	U	16	
Tetrachloroethene	1.0	5	ND	1.0	U	1.0	U	1.0	U	1.0	U	300	
SVOCs (ug/L)													
bis (2-Ethylhexyl) phthalate	10	5	12	4	Jq	10	U	10	U	10	U	10	U
INORGANICS (ug/L)													
Aluminum	200	NL	10.2 UJ	155		61 Je, Jq	1660	629	Jf	3540			
Antimony	60	3	2.6 UJ	11.5		5.3 U	5.3 U	6.7	Jq	5.3	U		
Arsenic	10	25	2.6 UJ	8.4		2.6 U	2.6 U	5.2	Jq	2.6	U		
Barium	200	1000	78.8 J	344		171	494	204	Jc	151	Jc		
Beryllium	5	3 ^c	0.4 J	0.23 U		0.23 U	0.23 U	0.23	U	0.23	U		
Cadmium	5	5	0.4 J	0.48 U		0.48 U	0.48 U	0.48	U	0.48	U		
Calcium	5000	NL	71900	80600		92300	53700	93900		123000			
Chromium	10	50	14	0.83 U		0.83 U	2.1	0.83	U	4.3			
Cobalt	50	5	0.6 U	3.3 Jq		3.4 Jq	2.8 Jq	5.1		5.5			
Copper	25	200	0.5 UJ	6.9 U		8.1 Jq	6.9 U	6.9	U	13.7	Jq		
Iron	100	300	1.3 U	202		233	3940	1160	Jf	6590			
Lead	3	25	1.1 U	2.9 UJ		2.9 U	2.9 U	2.9	U	6.3	Jg		
Magnesium	5000	35000 ^c	18600 J	28400		24900	21000	37000		34100			
Manganese	15	300	85 J	783		5290	378	1500		645			
Mercury			J	0.2 U		0.2 U	0.2 U	0.2	U	0.2	U		
Nickel	40	100	3.8 J	15.2 U		15.2 U	15.2 U	15.2	U	15.2	U		
Potassium	5000	NL	3360 U	9630 Jp		11000 Jp	8750 Jp	9130 Jp		7490 Jp			
Selenium			10 J	2 UJ		2 U	2 U	2	U	2	U		
Silver	10	50	U	1.6 UJ		1.6 UJ	1.6 UJ	1.6	UJ	1.6	UJ		
Sodium	5000	20000	6870 J	88000		79000	141000	72900		46100			
Thallium	10	0.5 ^c	1.1 U	3.6 U		3.6 U	3.6 U	3.6	U	3.6	U		
Vanadium	50	NL	1.2 U	3.7 U		3.7 U	3.7 U	3.7	U	6.7	Jq		
Zinc	20	2000 ^c	9.2 J	17.8 U		17.8 U	17.8 U	28	Jq	58.2			

TABLE 6-6 (Cont.)
GROUND WATER SAMPLING RESULTS - SECOND ROUND-AUGUST 2002
SITE 6 SDC
SCHENECTADY ANGB
SCOTIA, NEW YORK

ANALYTE	DETECTION LIMIT ¹	NY STATE DWQS ²	BACKGROUND CONC. ³	SAMPLE NUMBERS			
				6MW-133 ⁴		6MW-201 ⁵	
VOCs (ug/L)							
Vinyl Chloride	1.0	2	ND	1.0	U	1.0	U
trans-1,2-Dichloroethylene	1.0	5	ND	1.2	Jq	1.0	U
cis-1,2-Dichloroethene	1.0	5	ND	120		4.1	Jq
Trichloroethene	1.0	5	ND	48		1.0	U
Tetrachloroethene	1.0	5	ND	740		1.0	U
SVOCs (ug/L)							
bis (2-Ethylhexyl) phthalate	10	5	12	10	U	10	U
INORGANICS (ug/L)							
Aluminum	200	NL	10.2	UJ	1140	Jf	1640
Antimony	60	3	2.6	UJ	6.9	Jq	5.3
Arsenic	10	25	2.6	UJ	3.1	Jq	4.5
Barium	200	1000	78.8	J	170		217
Beryllium	5	3c	0.4	J	0.23	U	0.23
Cadmium	5	5	0.4	J	0.85	Jq	0.48
Calcium	5000	NL	71900		123000		89600
Chromium	10	50	14		0.83	U	2.2
Cobalt	50	5	0.6	U	3.6	Jq	6.1
Copper	25	200	0.5	UJ	6.9	U	7.2
Iron	100	300	1.3	U	1830	Jf	3470
Lead	3	25	1.1	U	2.9	UJ	3.3
Magnesium	5000	35000c	18600	J	33800		35500
Manganese	15	300	85	J	1440		1450
Mercury	0.2	0.7	0.2	U	0.2	U	0.2
Nickel	40	100	3.8	J	15.2	U	15.2
Potassium	5000	NL	3360	U	4970	Jp	9230
Selenium	2	10	2	U	2	UJ	2.2
Silver	10	50		U	1.6	UJ	1.6
Sodium	5000	20000	6870	J	23900		69200
Thallium	10	0.5c	1.1	U	3.6	U	3.6
Vanadium	50	NA	1.2	U	3.7	U	4.7
Zinc	20	2000c	9.2	J	17.8	U	35.3

ABBREVIATIONS:

ug/L - micrograms per liter
CRDL - Contract Required Detection Limit
DWQS - Drinking Water Quality Stds.
IDL - Instrument Detection Limit
MCL - Maximum Contaminant Level
MS(D) - Matrix Spike (Duplicate)
ND - Not Detected
NL - Not Listed
NYSDEC - New York State Dept. of
Environmental Conservation
RI - Remedial Investigation
RPD - Relative Percent Difference
SVOCs - Semi-Volatile Organic Compounds
VOCs - Volatile Organic Compounds

NOTES:

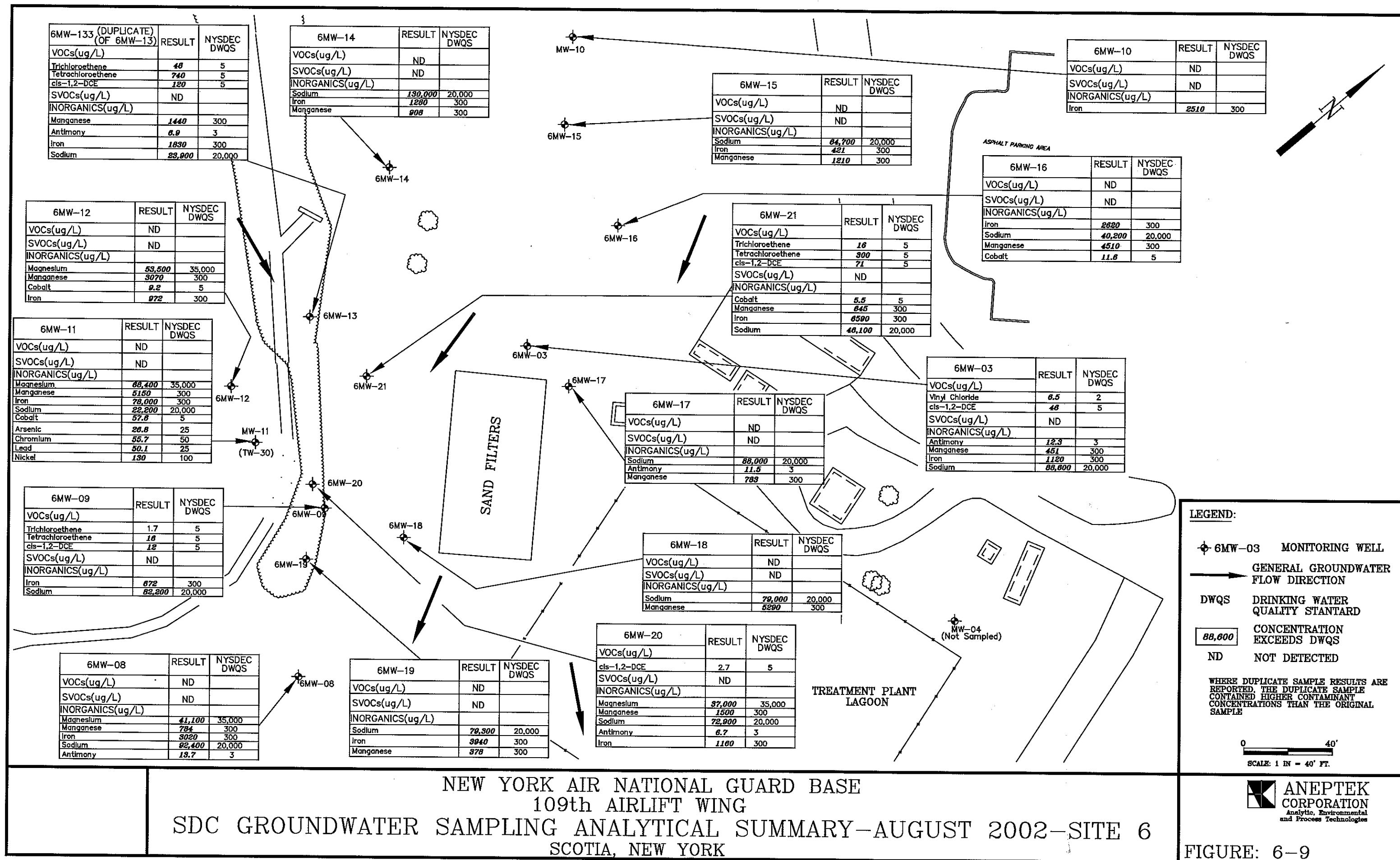
- 1) Contract Required Detection Limit (CRDL)
 - 2) NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998.
 - 3) Background concentrations from RI (Aneptek, Sept.2002)
 - 4) 6MW-133 is a duplicate sample of 6MW-13.
 - 5) 6MW-201 is a duplicate sample of 6MW-20.
- c) The value listed is a guidance for the protection of drinking water from a groundwater source.

DATA QUALIFIERS:

U - Compound was analyzed for, but not detected
UJ - The analyte was not detected above the reported sample quantitation limit.

DATA QUALIFIERS:

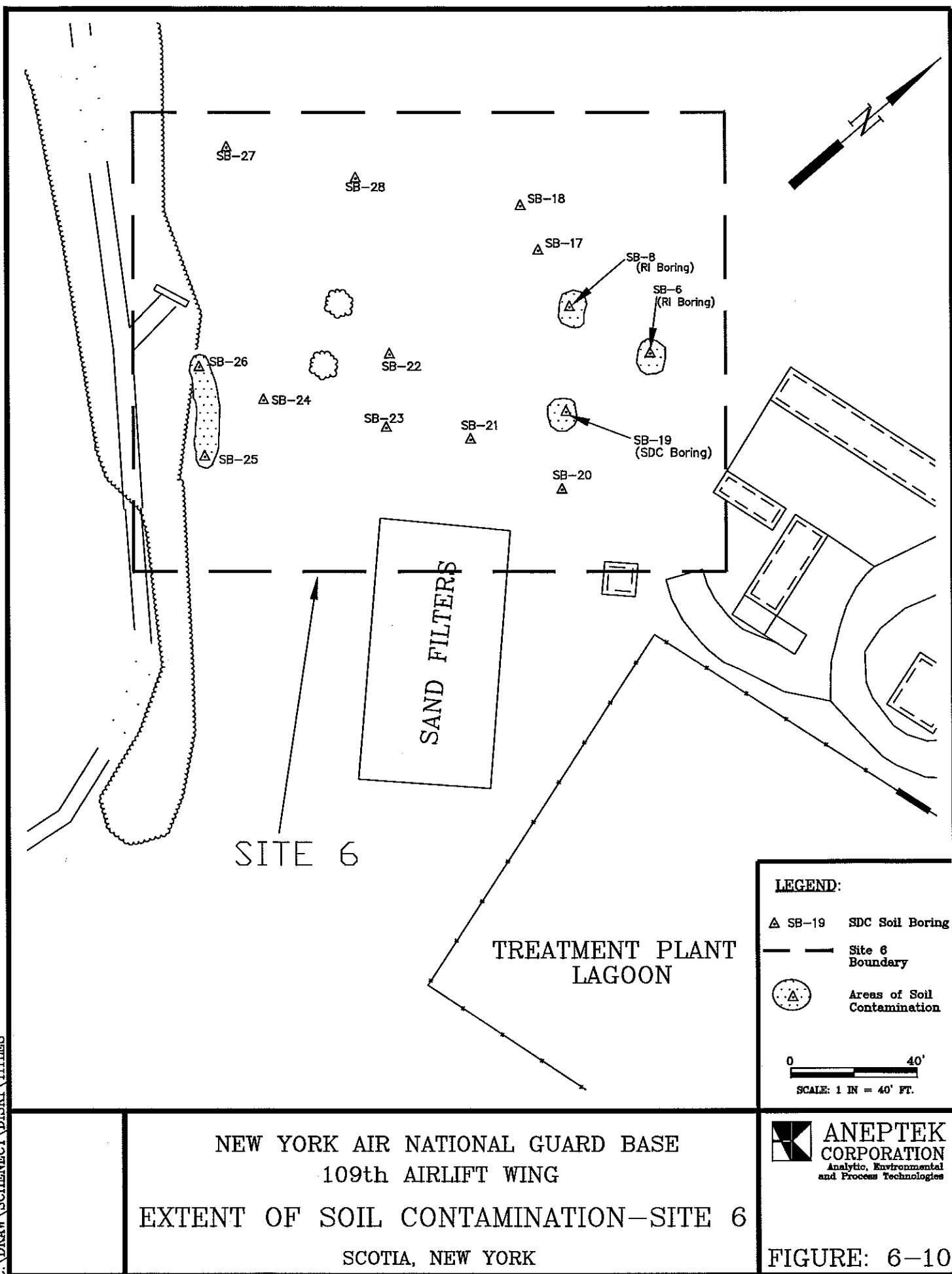
J - The analyte was positively identified; the associated value is the approx. concentration of analyte in the sample.
Jf - Field duplicate %RPD was high for this compound
Jg - The recovery for the inorganic CRDL standard was outside the control limits of 80-120%. The positive and/or non-detected results are estimated dependent on the recovery.
Jm - The MS and/or MSD % recoveries were not within the control limits for this compound
Jp - The results of the ICP Serial Dilution analysis were outside of criteria. Positive sample results are estimated.
Jq - For inorganics, the result is estimated as the level less than 2X the instrument detection limit. For organics, the result is estimated as the level less than the lowest calibration standard.
107 - Indicates concentration that exceeds either State or Federal regulatory limits.



In addition, during performance of the RI, PID field screening headspace results reported a reading of 200 ppm from the 4-6 foot bgs interval from SB-6, and a reading of 300 ppm in the 4-6 foot interval of SB-8. Analytical results from SDC soil boring SB-17, located approximately 20 feet to the north west of SB-8, reported low levels of contamination and no exceedances of cleanup concentrations. RI analytical results from soil borings SB-15 and SB-16, located 40 to 50 feet north of SB-6 reported non-detect for VOCs. GC screening results from RI soil boring SB-7, located between SB-15 and SB-16, were non-detect for VOCs. SDC groundwater sampling results for 6MW-16 were non-detect for VOCs. The extent of soil contamination at Site 6, based on the confirmatory sampling results from the SDC and TCRA and confirmatory soil sampling and field screening results from the RI, is summarized in Figure 6-10.

6.4.2 Extent of Groundwater Contamination

The extent of groundwater contamination at Site 6 is based on the results of the groundwater GC screening as described in Section 6.2.2 and confirmatory groundwater sampling results as described in Section 6.3.2. In review of these results, there appears to be a central, localized area within which levels of groundwater contamination are, at a minimum, at least 5 $\mu\text{g/L}$. This is the regulatory drinking water standard for the majority of the chlorinated VOCs detected. Based on data gathered to date, the dimensions of this area are approximately 200 feet long and between 100 to 140 feet wide. This area extends north to south from TW-17 and TW-19 to 6MW-09, and west to east from 6MW-13 to TW-27. Located within this central area are pockets of isolated contamination with concentrations ranging from a minimum of 50 $\mu\text{g/L}$ to a maximum of greater than 3000 $\mu\text{g/L}$ (3700 $\mu\text{g/L}$, 6MW-13, June 2002 sampling event). The highest concentrations were detected in the south southwest corner of Site 6, ranging from 6MW-13 to the west to TW-9 and TW-12 to the east, although localized groundwater “hot spots” were detected throughout the site. The extent of groundwater contamination is summarized in Figure 6-1 1.



SECTION 7.0

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of field data gathered up to this date, the following discussion summarizes the conclusions and recommendations for Site 6 soils and groundwater. Locations of data points used in the formulation of these conclusions and recommendations are shown in Figure 7-1.

Conclusions

The majority of Site 6 soils are generally free of contaminants of concern, however, an area of chlorinated VOC soil contamination persists in the southwest corner of Site 6, and, to a lesser extent, three isolated areas located in the southeastern portion of Site 6. The southwest location is in the proximity to TCRA excavation Area A, the southeastern locations are in proximity to TCRA excavation Area C. Subsequently, groundwater samples associated with these areas reported comparable chlorinated VOC contamination.

This conclusion is based on confirmatory soil and groundwater sampling results from the SDC, confiatory soil sampling results from the TCRA, and field screening and confirmatory sampling results from the RI. These results, when reviewed in conjunction with a more defined site groundwater flow direction, indicate residual areas of soil contamination not removed during the TCRA continue to impact Site 6 soils and groundwater. Soil sampling results from SDC soil borings SB-25 and SB-26 reported levels of PCE an order of magnitude above the NYSDEC Cleanup Concentration of 1,400 ug/kg (14,000 and 20,000 ug/kg, respectively). These borings are located just outside the extent of the TCRA excavation at Area A. Groundwater samples collected from 6MW-13 during the June and August 2002 SDC sampling events reported levels of PCE a minimum of two orders of magnitude above the NYSDEC DWQS of 5 µg/L (3,700 and 740 µg/L, respectively) Monitoring well 6MW-13 is located approximately 25 feet downgradient and to the west of SB-26. Groundwater samples collected from monitoring well 6MW-21 reported levels of PCE at concentrations of 260 and 300 µg/L, respectively. Monitoring well 6MW-21 is located approximately 20 and 50 feet downgradient from SB-25 and SB-26, respectively. GC screening results from samples collected from SDC temporary wells TW-22, TW-39, and TW-9 all reported high concentrations of PCE (560, 336, and 335 µg/L, respectively). These wells are all located downgradient from SB-25 and SB-26 and TCRA Area A. In addition, confirmatory soil samples collected during the TCRA from the east and west sidewalls of the Area A excavation reported PCE at levels of 3,200 and 1,800 ug/kg, respectively. Elevated levels of TCE and cis-1,2-DCE, reported breakdown products of PCE, were also in evidence in other soil and groundwater samples collected during the SDC at downgradient locations.

In addition, soil sampling results from sample SB-19, located in the southeast portion of Site 6, reported TCE at a concentration of 2,800 ug/kg, exceeding the regulatory cleanup concentration of 700 ug/kg. Boring SB-19 is located just to the west of the extent of the excavation at TCRA Area C. Although Area C confirmatory soil sampling results did not report any VOCs in exceedance, the sample collected from the west sidewall did report TCE at 91 ug/kg. Groundwater samples collected from temporary wells TW-23, TW-26, and TW-27, and monitoring well 6MW-03 all contained cis-1,2-DCE at levels of 227 µg/L, 34.6 µg/L, 67.5 µg/L, and 31.3 µg/L, respectively, above the DWQS

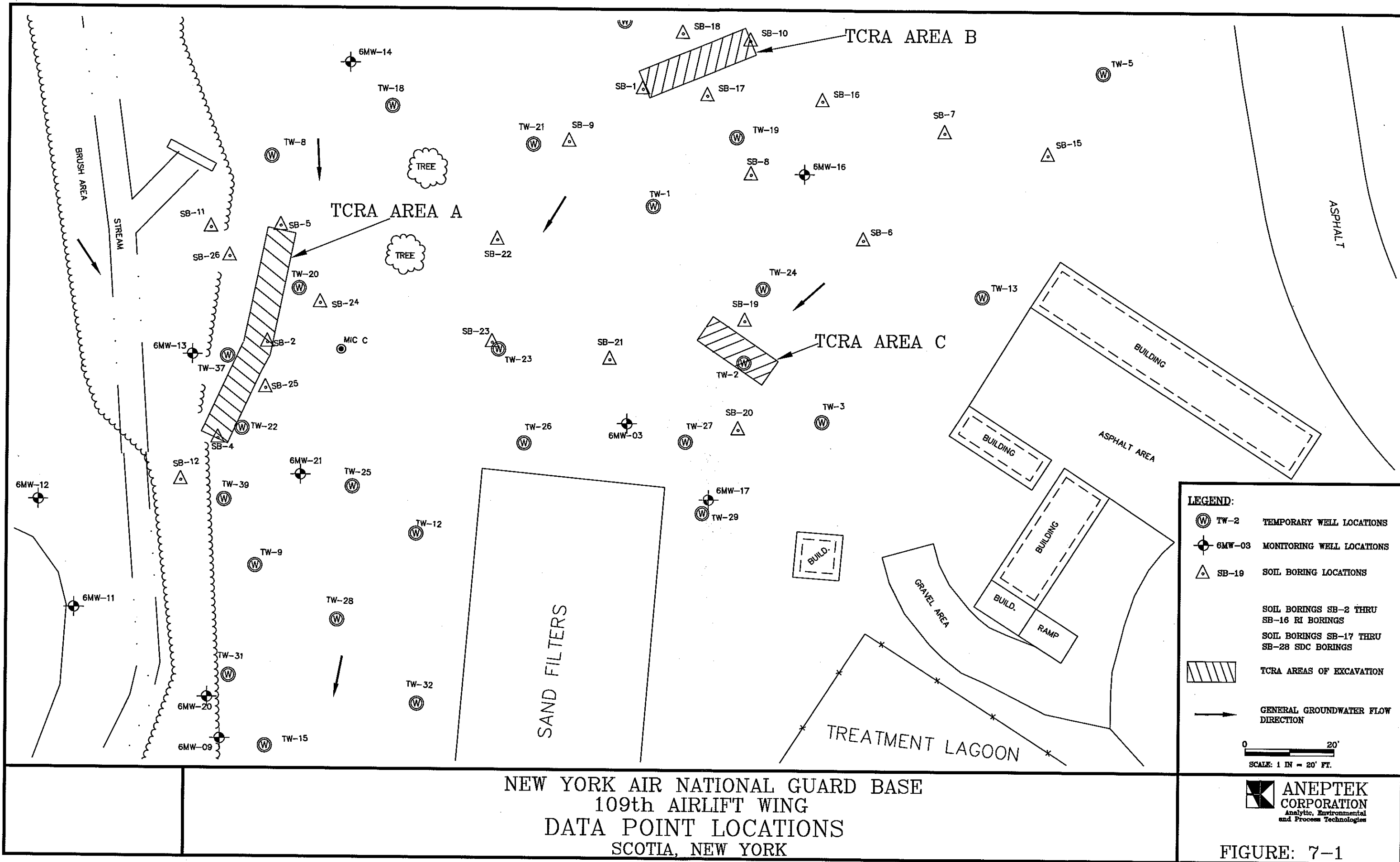


FIGURE: 7-1

of 5 $\mu\text{g/L}$. These locations are in a downgradient direction from SB-19. GC screening results from TW-19 and TW-24 reported cis-1,2,DCE at concentrations of 23.4 and 16.2 $\mu\text{g/L}$, respectively. These two temporary wells are located upgradient to the north northwest of SB-19, indicating an additional source(s) of soil contamination may be present in these areas. This additional source of contamination is most likely in a triangle shaped area consisting of three points of reference, SDC soil boring SB-19 and RI soil borings SB-6 and SB-8 (Figure 7-1). During the RI, PID field screening headspace results reported a reading of 200 ppm from the 4-6 foot bgs interval from SB-6, and a reading of 300 ppm in the 4-6 foot interval of SB-8. Analytical results from SDC soil boring SB-17, located approximately 20 feet to the north west of SB-8, reported low levels of contamination and no exceedances of cleanup concentrations. RI analytical results from soil borings SB-15 and SB-16, located 40 to 50 feet north of SB-6 reported non-detect for VOCs. GC screening results from RI soil boring SB-7, located between SB-15 and SB-16, were non-detect for VOCs. SDC groundwater sampling results for 6MW-16 were non-detect for VOCs.

Recommendations

Additional remedial measures are recommended for Site 6 soils and groundwater. Based on the results of the SDC field program, it is apparent that residual, chlorinated VOC soil contamination is present at Site 6 and that site groundwater will continue to be impacted as long as this residual soil contamination is in place. Incorporating the results of the RI, TCRA, and SDC, it is believed that the extent of soil contamination has been defined. Remedial measures may include additional soil removal in conjunction with groundwater treatment, such as the introduction of Hydrogen Release Compounds (HRC), which case studies have shown to be effective in reducing/eliminating chlorinated VOCs in groundwater. Additional groundwater monitoring to gauge the effectiveness of any such treatment would also be necessary. Remedial options, including the option of No Further Action, will be included for consideration and ranked numerically for effectiveness in a Final Feasibility Study.

SECTION 8.0

8.0 REFERENCES

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ENVIRONMENTAL RESTORATION PROGRAM

FINAL

**SUPPLEMENTAL DATA COLLECTION
TECHNICAL MEMORANDUM
SITE 6**

**109th AIRLIFT WING
NEW YORK AIR NATIONAL GUARD
SCHENECTADY AIR NATIONAL GUARD BASE
SCOTIA, NEW YORK**

AUGUST 2003

**VOLUME II OF II
APPENDICES**



Prepared For

**AIR NATIONAL GUARD READINESS CENTER
ANDREWS AFB, MARYLAND 20762-5157**

ENVIRONMENTAL RESTORATION PROGRAM

FINAL

**SUPPLEMENTAL DATA COLLECTION
TECHNICAL MEMORANDUM
SITE 6**

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**VOLUME II OF II
APPENDICES**

Prepared For

**AIR NATIONAL GUARD READINESS CENTER
ANDREWS AFB, MARYLAND 20762-5157**

Prepared By

**ANEPTEK CORPORATION
408 Pleasant Street
Worcester, Massachusetts 01609**

APPENDIX A
LABORATORY DATA
VALIDATION REPORTS

Project: Stratton ANG Base
Laboratory: Severn Trent Laboratories, Newburgh, NY
Report No.: 213350
Reviewer: Lorie MacKinnon
Date: December 10, 2002

Samples Reviewed

Volatiles:	19/Groundwaters/	6MW-1762602, 6MW-1162602, 6MW-1262602, 6MW-1362602, 6MW-1462602, 6MW-1562602, 6MW-1662602, 6MW-1862602, 6MW-18162602, 6MW-1962602, 6MW-2062602, 6MW-2162602, 6MW-0362602, 6MW-0862602, 6MW-0962602, 6MW-1062602, SW-162702, SW-262702, 6MW- 12162602 (Field duplicate pairs: 6MW-1862602/6MW-18162602 and 6MW-2162602/6MW-12162602)
	1/Equipment Blank/	FB-PW-62602
	1/Trip Blank/	TB-62602
Semivolatiles:	17/Groundwaters/	6MW-1762602, 6MW-1162602, 6MW-1262602, 6MW-1362602, 6MW-1462602, 6MW-1562602, 6MW-1662602, 6MW-1862602, 6MW-18162602, 6MW-1962602, 6MW-2062602, 6MW-2162602, 6MW-0362602, 6MW-0862602, 6MW-0962602, 6MW-1062602, SW-162702, SW-262702, 6MW- 12162602 (Field duplicate pairs: 6MW-1862602/6MW-18162602 and 6MW-2162602/6MW-12162602)
	1/Equipment Blank/	FB-PW-62602

The above-listed samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the National Functional Guidelines for Evaluating Organic Analyses, EPA 540/R-99/008, dated October 1999.

The organic data were evaluated based on the following parameters:

- * • Holding Times and Sample Preservation
- * • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results

- * • Internal Standards
- Laboratory Control Sample (LCS) Results
- * • Field Duplicate Results
- Sample Quantitation and Data Assessment
- Tentatively Identified Compounds
- * - All criteria were met.

All results were found to be usable with the exception the SVOC acid compounds in samples 6MW-1262602, FB-PW-62602, and 6MW-2162602 due to surrogate recoveries <10, the result for pentachlorophenol in sample 6MW-1562602 due to matrix spike recovery <10, and 4-nitrophenol in all samples due to LCS recovery <10.

The organic validation recommendations were based on the following information.

Holding Times and Sample Preservation

All criteria were met for the VOC and SVOC analyses.

GC/MS Tunes

All criteria were met for the VOC and SVOC analyses.

Initial and Continuing Calibrations

All criteria were met in the VOC initial and continuing calibrations.

Compounds that did not meet criteria in the SVOC initial and continuing calibrations are summarized in the following tables.

Instrument ID 5972-2 Compound	IC 7/10/02	CC 7/16/02	CC 7/17/02	CC 7/18/02
2,4-dinitrophenol	X (44.1%)			
4-nitrophenol	X (46.1%)			
pentachlorophenol	X (38.3%)			XX (32.5%)
3-nitroaniline		XX (35.3%)	XX (27.3%)	
4-nitroaniline		XX (38.6%)		
3,3'-dichlorobenzidine		XX (32.4%)		XX (25.9%)
4-nitrophenol				XX (51.8%) + (0.042)
benzo(k)fluoranthene				XX (25.4%)

Instrument ID 5972-2 Compound	IC 7/10/02	CC 7/16/02	CC 7/17/02	CC 7/18/02
Samples Affected	All samples	6MW-17, 6MW-11, 6MW-12, 6MW-13, 6MW-14, 6MW-15, 6MW-16, 6MW-18, 6MW-181, 6MW-19	FB-PW, 6MW-03, 6MW-08, 6MW-09, 6MW-10, 6MW-21, 6MW-121, 6MW-20, 6MW-12RE, FB-PWRE	6MW-21RE

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (Jc) positive and (UJc) blank-qualified nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJc) positive and nondetect results.

+ = Response factor (RRF) < 0.05; Estimate (Jc) positive results and reject (Rc) nondetect results.

The following positive and/or nondetect results were qualified as estimated (J/UJc) due to continuing calibration nonconformances: 3-nitroaniline, 4-nitroaniline, and 3,3'-dichlorobenzidine in samples 6MW-17, 6MW-11, 6MW-12, 6MW-13, 6MW-14, 6MW-15, 6MW-16, 6MW-18, 6MW-181, and 6MW-19 and 3-nitroaniline in samples FB-PW, 6MW-03, 6MW-08, 6MW-09, 6MW-10, 6MW-21, 6MW-121, and 6MW-20. The direction of the bias cannot be determined from these nonconformances.

Validation actions were not required for 2,4-dinitrophenol, 4-nitrophenol, and pentachlorophenol in all samples due to initial calibration nonconformances as all results were nondetect. Validation actions were not required for 4-nitrophenol, pentachlorophenol, 3,3'-dichlorobenzidine, and benzo(k)fluoranthene in sample 6MW-21RE due to continuing calibration nonconformances as the reanalysis was not reported for the sample. Validation actions were not required for 3-nitroaniline in samples 6MW-12RE and FB-PWRE as the initial analyses for the samples were reported.

Blanks

Target analytes were not detected in the VOC and SVOC method blanks.

The following table summarizes the VOC blank contamination detected in the field blank sample FB-PW-62602. Target analytes were not detected in the SVOC field blank sample or VOC trip blank.

Compound	Type of Blank	Associated Samples	Maximum Concentration	Blank Action Level
Chloroform	Field blank	All samples	2.5 ug/L	12.5 ug/L
Bromodichloromethane	Field blank	All samples	2.2 ug/L	11.0 ug/L
Dibromochloromethane	Field blank	All samples	1.8 ug/L	9.0 ug/L

Blank Actions

If the sample concentration \leq QL and \leq blank action level, qualify the result as not detected (Um) at the QL.

If the sample concentration > QL and \leq blank action level, qualify the result as not detected (Um) at the reported value.

Project: Stratton ANG Base
Laboratory: Severn Trent Laboratories, Newburgh, NY
Report No.: 213350
Reviewer: Lorie MacKinnon
Date: December 10, 2002

Samples Reviewed

Metals: 17/Groundwaters/ 6MW-1762602, 6MW-1162602, 6MW-1262602, 6MW-1362602, 6MW-1462602, 6MW-1562602, 6MW-1662602, 6MW-1862602, 6MW-18162602, 6MW-1962602, 6MW-2062602, 6MW-2162602, 6MW-0362602, 6MW-0862602, 6MW-0962602, 6MW-1062602, SW-162702, SW-262702, 6MW-12162602
(Groundwater field duplicate pairs: 6MW-1862602/6MW-18162602 and 6MW-2162602/6MW-12162602)
1/Equipment Blank/ FB-PW-62602

The above-listed samples were analyzed for TAL metals by SW-846 method 6010B/7000 series. The data validation was performed based on the National Functional Guidelines for Evaluating Inorganic Analyses, EPA 540/R-94/012, dated February 1994.

The inorganic data were evaluated based on the following parameters:

- * Holding Times and Sample Preservation
- * Instrument Calibration
 - Contract Required Detection Limit (CRDL) Standard Analysis
 - Blank Analysis Results
 - Inductively Coupled Plasma (ICP) Interference Check Sample Results
 - Matrix Spike (MS) Results
- * Laboratory Duplicate Results
 - Field Duplicate Results
 - Laboratory Control Sample (LCS) Results
 - ICP Serial Dilution Results
 - Furnace AA results
 - Detection Limit Results
- * Sample Quantitation
- * All criteria were met for this parameter.

All results were found to be usable. The validation recommendations were based on the following information.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met.

CRDL Standard Analysis

The following table lists the analytes which exhibited recoveries outside of the control limits in the CRDL standard analysis. Sample results which were less than 1.5x the standard amount analyzed were qualified as estimated.

Analyte	Standard Level	Recovery (%)	Associated Samples	Actions
Lead	6 ug/L	46.2	All samples	Estimate (J/UJg) the positive and nondetect results for lead (<9 ug/L) in all samples; possible low bias.

Blank Results

The following table summarizes the blank contaminants detected in the laboratory blanks associated with the samples, associated action levels, and validation actions applied.

Analyte	Action Level (ug/L)	Validation Actions
Calcium	498 -1458	Validation actions were not required.
Potassium	1044	Validation actions were not required.
Silver	9.0	Qualify positive result for thallium in sample 6MW-12162602 as nondetect (Um).
Sodium	2801	Validation actions were not required.

Qualification of the data was performed as follows:

For positive contamination,

If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as a nondetect (Um) at the reported concentration.

If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

For negative contamination,

For positive results < the Action Level and nondetect results, qualify the result as a estimated (J/UJe) at the reported concentration. The result may be biased low.

If the positive sample value was > the Action Level, report the value unqualified.

The following table summarizes the blank contaminants detected in the field blank sample FB-PW-62602 and the associated action levels. Validation actions were not applied based on these action levels as dedicated bailers were used for all wells, therefore sample equipment was required to be cleaned and rinsed between wells.

Analyte	Level Detected (ug/L)	Action Level (ug/L)
Barium	18.8	94
Calcium	45,300	226,500
Copper	141	705
Magnesium	11,500	57,500
Potassium	1,980	9,900
Sodium	20,700	103,500

Interference Check Sample Results

All analyte recoveries were within control limits in the ICSAB sample.

Positive results were observed for cadmium, chromium, potassium, and thallium and negative results were observed for arsenic, manganese, silver, and antimony in the ICSA solution analysis associated with the ground water samples. The levels of interferents in the associated samples were reviewed. Calcium was present in sample 6MW-1562602 (50%) at greater than 50% that of the level in the ICSA solution. The following table lists the calculated possible interferences and the resulting validation actions. Professional judgement was used to accept results in which the estimated interference was less than 10% of the analyte level detected or in which the estimated negative interference for a nondetect result was less than one-half the QL.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
6MW-1562602	Arsenic	2.6U	-6.0	Estimate (UJb) the nondetect result for arsenic; possible low bias.
	Cadmium	0.42U	4.0	No validation action required; nondetect result not affected by potential high bias.
	Chromium	0.83U	2.5	No validation action required; nondetect result not affected by potential high bias.
	Manganese	83	-5.0	No validation action required; interference <10% sample level.
	Potassium	9350	149	No validation action required; interference <10% sample level.
	Silver	1.6U	-4.0	Estimate (UJb) the nondetect result for silver; possible low bias.
	Thallium	3.6U	7.5	No validation action required; nondetect result not affected by potential high bias.
	Antimony	5.3U	-6.5	Estimate (UJb) the nondetect result for antimony; possible low bias.

Matrix Spike Results

A matrix spike was performed on sample 6MW-1862602 for the metals analysis. A matrix spike was performed on sample 6MW-1762602 for the mercury analysis. The following table lists the analyte recoveries found outside of recovery control limits of 75-125% and the resultant actions.

Analyte	Recovery (%)	Actions
Aluminum	169.7	Estimate (Jm) the positive results for aluminum in all samples with the exception of FB-PW-62602; possible high bias.
Barium	133.8	Estimate (Jm) the positive results for barium in all samples; possible high bias.
Chromium	125.9	Estimate (Jm) the positive results for chromium in samples 6MW-17, 6MW-11, 6MW-21, 6MW-121, and 6MW-10; possible high bias.
Copper	131.2	Estimate (Jm) the positive results for copper in samples 6MW-17, 6MW-11, 6MW-181, 6MW-20, 6MW-21, 6MW-121, and FB-PW-62602; possible high bias.
Iron	129.8	Estimate (Jm) the positive results for iron in all samples with the exception of FB-PW-62602; possible high bias.
Nickel	125.5	Estimate (Jm) the positive results for nickel in samples 6MW-17, 6MW-21, 6MW-121, and 6MW-03; possible high bias.
Silver	48.8	Estimate (J/UJm) the positive and nondetect results for silver in all samples; possible low bias.

The recovery for manganese was also outside of the control limits of 75 - 125 in the MS performed on sample 6MW-1862602; however, since the sample level was greater than four times the spiking level, no validation action was required.

Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample 6MW-1862602 for the metals analysis. A laboratory duplicate analysis was performed on sample 6MW-1762602 for the mercury analysis. All criteria were met.

Field Duplicate Results

Samples 6MW-2162602 and 6MW-12162602 were identified as field duplicate samples. All criteria were met.

Samples 6MW-1862602 and 6MW-18162602 were identified as field duplicate samples. The following table lists the %RPDs found outside of the control limit of 30% or within 2xQL (quantitation limit) for sample levels <5xQL. The direction of the bias cannot be determined by this

nonconformance.

Analyte	6MW-1862602 (ug/L)	6MW-18162602 (ug/L)	RPD (%)	Actions
Aluminum	73.7	815	166.8	Estimate (Jf) the positive results for aluminum in samples 6MW-1862602 and 6MW-18162602.
Iron	107	1450	172.5	Estimate (Jf) the positive results for iron in samples 6MW-1862602 and 6MW-18162602.

LCS Results

The recovery for silver (70.5) was below the control limits in the LCS analysis. The positive and nondetect silver results in all samples were qualified as estimated (J/U_L). These results may be biased low.

ICP Serial Dilution Results

An ICP serial dilution analysis was performed on sample 6MW-1862602. The percent difference (%D) for potassium (27.6%) was outside of the control limits. The positive results for potassium in all samples were qualified as estimated (J_p).

Furnace AA Results

The following table lists the analyte recoveries found outside of the control limits of 85-115% for the furnace analytical spikes and the resultant actions.

Sample	Analyte	Recovery (%)	Actions
6MW-1762602	Selenium	118	Validation action was not required. The selenium result for sample 6MW-1762602 was nondetect and therefore not affected by the potential high bias.

Detection Limit Results

Although not a requirement of the National Functional Validation Guidelines, positive results which were $\leq 2x$ the instrument detection limit (IDL) were qualified as estimated (J_Q) due to uncertainty at the low end of calibration. The following results were affected by this qualification: arsenic in samples 6MW-2162602, 6MW-0362602, and 6MW-12162602, beryllium in sample 6MW-1762602, chromium in sample 6MW-1062602, cobalt in sample 6MW-1262602, copper in samples 6MW-1162602, 6MW-18162602, 6MW-2062602, 6MW-2162602, and 6MW-12162602, lead in sample 6MW-2162602, nickel in samples 6MW-1762602, 6MW-2162602, 6MW-0362602, and 6MW-12162602, vanadium in samples 6MW-2162602 and 6MW-12162602, and zinc in samples 6MW-

1162602, 6MW-2162602, and 6MW-12162602.

Sample Quantitation

Sample calculations were spot-checked; there were no errors noted.

Project: Stratton ANG Base
Laboratory: Severn Trent Laboratories, Newburgh, NY
Report No.: 215065
Reviewer: Lorie MacKinnon
Date: December 10, 2002

Samples Reviewed

Volatiles: 10/Groundwaters/ 6MW-0881402, 6MW-0981402, 6MW-1081402, 6MW-1181402, 6MW-1281402, 6MW-1881402, 6MW-1981402, 6MW-2081402, 6MW-2181402, 6MW-20181402
(Field duplicate pair: 6MW-2081402/6MW-20181402)
1/Trip Blank/ TB-81402

Semivolatiles: 10/Groundwaters/ 6MW-0881402, 6MW-0981402, 6MW-1081402, 6MW-1181402, 6MW-1281402, 6MW-1881402, 6MW-1981402, 6MW-2081402, 6MW-2181402, 6MW-20181402
(Field duplicate pair: 6MW-2081402/6MW-20181402)

The above-listed samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the National Functional Guidelines for Evaluating Organic Analyses, EPA 540/R-99/008, dated October 1999.

The organic data were evaluated based on the following parameters:

- * • Holding Times and Sample Preservation
- * • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- * • Blanks
- * • Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- * • Internal Standards
- Laboratory Control Sample (LCS) Results
- * • Field Duplicate Results
- Sample Quantitation and Data Assessment
- Tentatively Identified Compounds
- * - All criteria were met.

All results were found to be usable with the exception of 3-nitroaniline in all samples due to low response factor seen in the initial and continuing calibration.

The organic validation recommendations were based on the following information.

Holding Times and Sample Preservation

All criteria were met for the VOC and SVOC analyses.

GC/MS Tunes

All criteria were met for the VOC and SVOC analyses.

Initial and Continuing Calibrations

All criteria were met in the VOC initial and continuing calibrations.

Compounds that did not meet criteria in the SVOC initial and continuing calibrations are summarized in the following tables.

Instrument ID 5972-2 Compound	IC 8/23/02	CC 7/18/02
3-nitroaniline	X (49.9%) + (0.030)	XX (34.7%) + (0.041)
Samples Affected	All samples	All samples

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (Jc) positive and (UJc) blank-qualified nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJc) positive and nondetect results.

+ = Response factor (RRF) < 0.05; Estimate (Jc) positive results and reject (Rc) nondetect results.

The nondetect results for 3-nitroaniline were rejected (Rc) in all samples due to low response factors seen in the initial and continuing calibrations.

Blanks

Target analytes were not detected in the VOC and SVOC method blanks. Target analytes were not detected in the VOC trip blank sample.

Surrogate Recoveries

All criteria were met in the VOC and SVOC analyses.

MS/MSD Results

An MS/MSD was performed on sample 6MW-1881402 for the VOC and SVOC analyses. All criteria were met for the VOC and SVOC analyses.

Internal Standards

All criteria were met in the VOC and SVOC analyses.

LCS Results

All criteria were met in the VOC analyses.

The following table lists the compound recoveries found outside of the validation control limits of 60 - 140% or laboratory established control limit (if tighter) in the SVOC analyses and the resultant actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Actions
Phenol	27	60-140	All samples	Estimate (UJ_L) the nondetect results for phenol in the associated samples; results may be biased low.
1,4-dichlorobenzene	48	60-140	All samples	Estimate (UJ_L) the nondetect results for 1,4-dichlorobenzene in the associated samples; results may be biased low.
1,2,4-trichlorobenzene	36	60-140	All samples	Estimate (UJ_L) the nondetect results for 1,2,4-trichlorobenzene in the associated samples; results may be biased low.
4-nitrophenol	28	60-140	All samples	Estimate (UJ_L) the nondetect results for 4-nitrophenol in the associated samples; results may be biased low.

Field Duplicate Results

Samples 6MW-2081402 and 6MW-20181402 were identified as the field duplicate pair. All criteria were met.

Sample Quantitation and Data Assessment

Sample calculations were spot-checked; there were no errors noted.

Results were reported which were below the lowest calibration standard level but greater than the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified as estimated (J_Q).

The following table lists the sample dilutions performed due to high levels of target compounds and analyte results reported.

Sample	Analyses	Results Reported
6MW-2181492	VOC	Report the result for tetrachloroethene from the diluted (10-fold) analysis. Report all other analytes from undiluted analysis.

Tentatively Identified Compounds

TIC results were qualified as estimated (J_T , JN_T) as compound specific response factors are not used for the compound quantitation.

Project: Stratton ANG Base
Laboratory: Severn Trent Laboratories, Newburgh, NY
Report No.: 215065
Reviewer: Lorie MacKinnon
Date: December 10, 2002

Samples Reviewed

Metals: 10/Groundwaters/ 6MW-0881402, 6MW-0981402, 6MW-1081402, 6MW-1181402, 6MW-1281402, 6MW-1881402, 6MW-1981402, 6MW-2081402, 6MW-2181402, 6MW-20181402
(Field duplicate pair: 6MW-2081402/6MW-20181402)

The above-listed samples were analyzed for TAL metals by SW-846 method 6010B/7000 series. The data validation was performed based on the National Functional Guidelines for Evaluating Inorganic Analyses, EPA 540/R-94/012, dated February 1994.

The inorganic data were evaluated based on the following parameters:

- * Holding Times and Sample Preservation
 - Instrument Calibration
 - Contract Required Detection Limit (CRDL) Standard Analysis
 - Blank Analysis Results
 - Inductively Coupled Plasma (ICP) Interference Check Sample Results
 - Matrix Spike (MS) Results
- * Laboratory Duplicate Results
 - Field Duplicate Results
- * Laboratory Control Sample (LCS) Results
 - ICP Serial Dilution Results
 - Furnace AA results
 - Detection Limit Results
- * Sample Quantitation
- * All criteria were met for this parameter.

All results were found to be usable. The validation recommendations were based on the following information.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

The following table lists the analytes which exhibited recoveries outside of the control limits in the continuing calibration verification (CCV) samples.

Analyte	Standard	Recovery (%)	Associated Samples	Actions
Barium	CCV4	111.4	6MW-2081402, 6MW-2181402, 6MW-20181402	Estimate (Jc) the positive results for barium in the associated samples; possible high bias.

CRDL Standard Analysis

The following table lists the analytes which exhibited recoveries outside of the control limits in the CRDL standard analysis. Sample results which were less than 1.5x the standard amount analyzed were qualified as estimated.

Analyte	Standard Level	Recovery (%)	Associated Samples	Actions
Lead	6 ug/L	39.7, 66.0	QC samples only	Validation actions were not required.
Lead	6 ug/L	120.2	All samples	Estimate (Jg) the positive results for lead (<9 ug/L) in samples 6MW-2181402 and 6MW-20181402; possible high bias.

Blank Results

The following table summarizes the blank contaminants detected in the laboratory blanks associated with the samples, associated action levels, and validation actions applied.

Analyte	Action Level (ug/L)	Validation Actions
Aluminum	-316	Qualify the positive results for aluminum in samples 6MW-0881402, 6MW-0981402, and 6MW-1881402 as estimated (Je); results may be biased low.
Barium	8.0	Validation actions were not required.
Calcium	1634	Validation actions were not required.
Potassium	1004	Validation actions were not required.
Silver	8.5	Validation actions were not required.
Sodium	3354	Validation actions were not required.

Qualification of the data was performed as follows:

For positive contamination,

If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as a nondetect (Um) at the reported concentration.

If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

For negative contamination,

For positive results < the Action Level and nondetect results, qualify the result as a estimated (J/UJe) at the reported concentration. The result may be biased low.

If the positive sample value was > the Action Level, report the value unqualified.

Interference Check Sample Results

All analyte recoveries were within control limits in the ICSAB sample.

Positive results were observed for barium, cadmium, chromium, potassium, sodium, and thallium and negative results were observed for arsenic, manganese, and silver in the ICSA solution analysis associated with the groundwater samples. The levels of interferents in the associated samples were reviewed. Validation actions were not required as sample interferent levels were less than 50% those of the ICSA solution.

Matrix Spike Results

A matrix spike was performed on sample 6MW-1881402 for the metals analysis. The following table lists the analyte recoveries found outside of recovery control limits of 75-125% and the resultant actions.

Analyte	Recovery (%)	Actions
Silver	64.0	Estimate (J/UJm) the positive and nondetect results for silver in all samples; possible low bias.

Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample 6MW-1881402 for the metals analysis. All criteria were met.

Field Duplicate Results

Samples 6MW-2081402 and 6MW-20181402 were identified as field duplicate samples. The following table lists the %RPDs found outside of the control limit of 30% or within 2xQL (quantitation limit) for sample levels <5xQL. The direction of the bias cannot be determined by this nonconformance.

Analyte	6MW-2081402 (ug/L)	6MW-20181402 (ug/L)	RPD (%)	Actions
Aluminum	629	1640	89.1	Estimate (Jf) the positive results for aluminum in samples 6MW-2081402 and 6MW-20181402.
Iron	1160	3470	99.8	Estimate (Jf) the positive results for iron in samples 6MW-2081402 and 6MW-20181402.

LCS Results

All criteria were met in the LCS analyses.

ICP Serial Dilution Results

An ICP serial dilution analysis was performed on sample 6MW-1881402. The percent difference (%D) for potassium (15.5%) was outside of the control limits. The positive results for potassium in all samples were qualified as estimated (J_p).

Furnace AA Results

The following table lists the analyte recoveries found outside of the control limits of 85-115% for the furnace analytical spikes and the resultant actions.

Sample	Analyte	Recovery (%)	Actions
6MW-0881402	Selenium	71	Estimate (Ja) the positive result for selenium in sample 6MW-0881402; potential low bias.
6MW-1181402	Selenium	71	Estimate (UJa) the nondetect result for selenium in sample 6MW-1181402; potential low bias.
6MW-2181402	Selenium	80	Estimate (Ja) the positive result for selenium in sample 6MW-21881402; potential low bias.
6MW-20181402	Selenium	77	Estimate (Ja) the positive result for selenium in sample 6MW-20181402; potential low bias.

Detection Limit Results

Although not a requirement of the National Functional Validation Guidelines, positive results which were $\leq 2x$ the instrument detection limit (IDL) were qualified as estimated (J_Q) due to uncertainty at the low end of calibration. The following results were affected by this qualification: aluminum in sample 6MW-1881402, antimony in sample 6MW-2081402, arsenic in samples 6MW-2081402 and 6MW-20181402, chromium in sample 6MW-1281402, cobalt in samples 6MW-1881402 and 6MW-1981402, copper in samples 6MW-1881402, 6MW-2181402, and 6MW-20181402, lead in sample 6MW-20181402, mercury in sample 6MW-1181402, selenium in samples 6MW-0881402, 6MW-

2181402, and 6MW-20181402, vanadium in samples 6MW-2181402 and 6MW-20181402, and zinc in samples 6MW-0881402, 6MW-20181402, and 6MW-20181402.

Sample Quantitation

Sample calculations were spot-checked; there were no errors noted.

Project: Stratton ANG Base
Laboratory: Severn Trent Laboratories, Newburgh, NY
Report No.: 215067
Reviewer: Lorie MacKinnon
Date: December 10, 2002

Samples Reviewed

Volatiles: 7/Groundwaters/ 6MW-0381302, 6MW-1381302, 6MW-1481302, 6MW-1581302, 6MW-1681302, 6MW-1781302, 6MW-13381302
(Field duplicate pair: 6MW-1381302/6MW-13381302)

Semivolatiles: 7/Groundwaters/ 6MW-0381302, 6MW-1381302, 6MW-1481302, 6MW-1581302, 6MW-1681302, 6MW-1781302, 6MW-13381302
(Field duplicate pair: 6MW-1381302/6MW-13381302)

The above-listed samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the National Functional Guidelines for Evaluating Organic Analyses, EPA 540/R-99/008, dated October 1999.

The organic data were evaluated based on the following parameters:

- * • Holding Times and Sample Preservation
- * • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- * • Blanks
- * • Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- * • Internal Standards
- Laboratory Control Sample (LCS) Results
- * • Field Duplicate Results
- Sample Quantitation and Data Assessment
- Tentatively Identified Compounds

- * - All criteria were met.

All results were found to be usable with the exception of 3-nitroaniline in all samples due to low response factor seen in the initial and continuing calibration.

The organic validation recommendations were based on the following information.

Holding Times and Sample Preservation

All criteria were met for the VOC and SVOC analyses.

GC/MS Tunes

All criteria were met for the VOC and SVOC analyses.

Initial and Continuing Calibrations

All criteria were met in the VOC initial and continuing calibrations.

Compounds that did not meet criteria in the SVOC initial and continuing calibrations are summarized in the following tables.

Instrument ID 5972-2 Compound	IC 8/23/02	CC 8/28/02	CC 8/29/02
3-nitroaniline	X (49.9%) + (0.030)	XX (65.5%)	XX (34.7%) + (0.041)
Samples Affected	All samples	All samples	QC samples only

- X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (Jc) positive and (UJc) blank-qualified nondetect results.
- XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJc) positive and nondetect results.
- + = Response factor (RRF) < 0.05; Estimate (Jc) positive results and reject (Rc) nondetect results.

The nondetect results for 3-nitroaniline were rejected (Rc) in all samples due to low response factor seen in the initial calibration.

Blanks

Target analytes were not detected in the VOC and SVOC method blanks.

Surrogate Recoveries

All criteria were met in the VOC and SVOC analyses.

MS/MSD Results

An associated MS/MSD was performed on sample 6MW-1881402 for the VOC and SVOC analyses and reported in 215065. All criteria were met for the VOC and SVOC analyses.

Internal Standards

All criteria were met in the VOC and SVOC analyses.

LCS Results

All criteria were met in the VOC analyses.

The following table lists the compound recoveries found outside of the validation control limits of 60 - 140% or laboratory established control limit (if tighter) in the SVOC analyses and the resultant actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Actions
Phenol	29	60-140	All samples	Estimate (UJ_L) the nondetect results for phenol in the associated samples; results may be biased low.
1,4-dichlorobenzene	54	60-140	All samples	Estimate (UJ_L) the nondetect results for 1,4-dichlorobenzene in the associated samples; results may be biased low.
4-nitrophenol	37	60-140	All samples	Estimate (UJ_L) the nondetect results for 4-nitrophenol in the associated samples; results may be biased low.

Field Duplicate Results

Samples 6MW-1381302 and 6MW-13381302 were identified as the field duplicate pair. All criteria were met.

Sample Quantitation and Data Assessment

Sample calculations were spot-checked; there were no errors noted.

Results were reported which were below the lowest calibration standard level but greater than the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified as estimated (J_Q).

The following table lists the sample dilutions performed due to high levels of target compounds and analyte results reported.

Sample	Analyses	Results Reported
6MW-1381302	VOC	Report the result for tetrachloroethene from the diluted (10-fold) analysis. Report all other analytes from undiluted analysis.

Sample	Analyses	Results Reported
6MW-13381302	VOC	Report the result for tetrachloroethene from the diluted (10-fold) analysis. Report all other analytes from undiluted analysis.

Tentatively Identified Compounds

TIC results were qualified as estimated (J_T , JN_T) as compound specific response factors are not used for the compound quantitation.

Project: Stratton ANG Base
Laboratory: Severn Trent Laboratories, Newburgh, NY
Report No.: 215067
Reviewer: Lorie MacKinnon
Date: December 10, 2002

Samples Reviewed

Metals: 7/Groundwaters/ 6MW-0381302, 6MW-1381302, 6MW-1481302, 6MW-1581302, 6MW-1681302, 6MW-1781302, 6MW-13381302
(Field duplicate pair: 6MW-1381302/6MW-13381302)

The above listed samples were analyzed for TAL metals by SW-846 method 6010B/7000 series. The data validation was performed based on the National Functional Guidelines for Evaluating Inorganic Analyses, EPA 540/R-94/012, dated February 1994.

The inorganic data were evaluated based on the following parameters:

- * Holding Times and Sample Preservation
 - Instrument Calibration
 - Contract Required Detection Limit (CRDL) Standard Analysis
 - Blank Analysis Results
 - Inductively Coupled Plasma (ICP) Interference Check Sample Results
 - Matrix Spike (MS) Results
- * Laboratory Duplicate Results
 - Field Duplicate Results
- * Laboratory Control Sample (LCS) Results
 - ICP Serial Dilution Results
 - Furnace AA results
 - Detection Limit Results
- * Sample Quantitation
- * All criteria were met for this parameter.

All results were found to be usable. The validation recommendations were based on the following information.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

The following table lists the analytes which exhibited recoveries outside of the control limits in the continuing calibration verification (CCV) samples.

Analyte	Standard	Recovery (%)	Associated Samples	Actions
Barium	CCV4	111.4	No associated samples	Validation actions were not required.
Barium	CCV5	110.4	6MW-1581302, 6MW-1681302	Estimate (Jc) the positive results for barium in the associated samples; possible high bias.

CRDL Standard Analysis

The following table lists the analytes which exhibited recoveries outside of the control limits in the CRDL standard analysis. Sample results which were less than 1.5x the standard amount analyzed were qualified as estimated.

Analyte	Standard Level	Recovery (%)	Associated Samples	Actions
Lead	6 ug/L	39.7, 63	All samples	Estimate (UJg) the nondetect results for lead (<9 ug/L) in all samples; possible low bias.

Blank Results

The following table summarizes the blank contaminants detected in the laboratory blanks associated with the samples, associated action levels, and validation actions applied.

Analyte	Action Level (ug/L)	Validation Actions
Barium	8.0	Validation actions were not required.
Calcium	1842	Validation actions were not required.
Iron	74.0	Validation actions were not required.
Potassium	1016	Validation actions were not required.
Silver	14.5	Validation actions were not required.
Sodium	3213	Validation actions were not required.

Qualification of the data was performed as follows:

For positive contamination,

If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as a nondetect (Um) at the reported concentration.

If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

Interference Check Sample Results

All analyte recoveries were within control limits in the ICSAB sample.

Positive results were observed for barium, cadmium, chromium, potassium, sodium, and thallium and negative results were observed for arsenic, manganese, and silver in the ICSA solution analysis associated with the groundwater samples. The levels of interferents in the associated samples were reviewed. Validation actions were not required as sample interferent levels were less than 50% those of the ICSA solution.

Matrix Spike Results

A matrix spike was performed on sample 6MW-0381302 for the metals analysis. The following table lists the analyte recoveries found outside of recovery control limits of 75-125% and the resultant actions.

Analyte	Recovery (%)	Actions
Selenium	44.0	Estimate (J/UJm) the positive and nondetect results for selenium in all samples; possible low bias.
Silver	54.2	Estimate (J/UJm) the positive and nondetect results for silver in all samples; possible low bias.

Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample 6MW-0381302 for the metals analysis. A laboratory duplicate analysis was performed on sample 6MW-181402 for the mercury analysis. All criteria were met.

Field Duplicate Results

Samples 6MW-1381302 and 6MW-13381302 were identified as field duplicate samples. The following table lists the %RPDs found outside of the control limit of 30% or within 2xQL (quantitation limit) for sample levels <5xQL. The direction of the bias cannot be determined by this nonconformance.

Analyte	6MW-1381302 (ug/L)	6MW-13381302 (ug/L)	RPD (%)	Actions
Aluminum	479	1140	81.7	Estimate (Jf) the positive results for aluminum in samples 6MW-1381302 and 6MW-13381302.

Analyte	6MW-1381302 (ug/L)	6MW-13381302 (ug/L)	RPD (%)	Actions
Iron	829	1830	75.3	Estimate (Jf) the positive results for iron in samples 6MW-1381302 and 6MW-13381302.

LCS Results

All criteria were met in the LCS analyses.

ICP Serial Dilution Results

An ICP serial dilution analysis was performed on sample 6MW-0381302. The percent difference (%D) for potassium (20.2%) was outside of the control limits. The positive results for potassium in all samples were qualified as estimated (J_p).

Furnace AA Results

The following table lists the analyte recoveries found outside of the control limits of 85-115% for the furnace analytical spikes and the resultant actions.

Sample	Analyte	Recovery (%)	Actions
6MW-0381302	Selenium	81	Estimate (UJa) the nondetect result for selenium in sample 6MW-0381302; potential low bias.
6MW-13381302	Selenium	84	Estimate (UJa) the nondetect result for selenium in sample 6MW-13381302; potential low bias.

Detection Limit Results

Although not a requirement of the National Functional Validation Guidelines, positive results which were $\leq 2x$ the instrument detection limit (IDL) were qualified as estimated (J_Q) due to uncertainty at the low end of calibration. The following results were affected by this qualification: antimony in sample 6MW-1381302, 6MW-1681302, and 6MW-13381302, arsenic in sample 6MW-13381302, cadmium in sample 6MW-1381302 and 6MW-13381302, cobalt in samples 6MW-1381302, 6MW-1481302, 6MW-1581302, 6MW-1781302, and 6MW-13381302, nickel in sample 6MW-1681302, selenium in sample 6MW-0381302, and zinc in sample 6MW-1681302.

Sample Quantitation

Sample calculations were spot-checked; there were no errors noted.

Project: Stratton ANG Base
Laboratory: Severn Trent Laboratories, Newburgh, NY
Report No.: 212860
Reviewer: Lorie MacKinnon
Date: November 13, 2002

Samples Reviewed

Volatiles:

14/Sediment/ SB-27-61302 6-7.5 FT, SB-27D-61302 6-7.5 FT, SB-28-61302 7-8 FT, SB-23-61302 6-7 FT, SB-24-61302 4.5-5.5 FT, SB-23D-61302 6-7 FT, SB-21-61402 7-8 FT, SB-22-61402 5-6 FT, SB-25-61402 5-6 FT, SB-26-61402 5-6 FT, SB-18-61402 2-4 FT, SB-17-61402 5-6 FT, SB-19-61402 7-8 FT, SB-20-61402 4.5-5.5 FT,
(Soil field duplicate pairs: SB-27-61302 6-7.5 FT/SB-27D-61302 6-7.5 FT and SB-23-61302 6-7 FT/SB-23D-61302 6-7 FT)
2/Equipment Blank/ RB-SB-61302, RB-SB-61402

Semivolatiles:

14/Sediment/ SB-27-61302 6-7.5 FT, SB-27D-61302 6-7.5 FT, SB-28-61302 7-8 FT, SB-23-61302 6-7 FT, SB-24-61302 4.5-5.5 FT, SB-23D-61302 6-7 FT, SB-21-61402 7-8 FT, SB-22-61402 5-6 FT, SB-25-61402 5-6 FT, SB-26-61402 5-6 FT, SB-18-61402 2-4 FT, SB-17-61402 5-6 FT, SB-19-61402 7-8 FT, SB-20-61402 4.5-5.5 FT,
(Soil field duplicate pairs: SB-27-61302 6-7.5 FT/SB-27D-61302 6-7.5 FT and SB-23-61302 6-7 FT/SB-23D-61302 6-7 FT)
2/Equipment Blank/ RB-SB-61302, RB-SB-61402

The above listed samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the National Functional Guidelines for Evaluating Organic Analyses, EPA 540/R-99/008, dated October 1999.

The organic data were evaluated based on the following parameters:

- Holding Times and Sample Preservation
- * • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results

- Internal Standards
- Laboratory Control Sample (LCS) Results
- Field Duplicate Results
- Sample Quantitation and Data Assessment
- Tentatively Identified Compounds

* - All criteria were met.

All results were found to be usable with the exception of 2,4-dinitrophenol, 4-nitrophenol, and pentachlorophenol in samples SB-27RE, SB-25RE, and SB-26 due to poor response factors and the acid compounds in samples RB-SB-61302 and RB-SB-61402 due to surrogate recoveries less than 10.

The organic validation recommendations were based on the following information.

Holding Times and Sample Preservation

All criteria were met for the VOC analyses.

The extraction of SVOC sample RB-SB-61302 took place one day outside of the required holding time. The base-neutral results for sample RB-SB-61302 were qualified as estimated (UJh) due to holding time exceedance. Validation action was not required for the acid compounds as these results were subsequently rejected due to surrogate recoveries.

The re-extraction of SVOC samples SB-27-61302 6-7.5 FT and SB-25-61402 5-6 FT took place four days outside of the required holding time. The reanalysis results of these samples were reported due to poor surrogate recoveries in the initial analysis. The positive and nondetect SVOC results for samples SB-27-61302 6-7.5 FT and SB-25-61402 5-6 FT were qualified as estimated (J/UJh) due to the holding time exceedances.

GC/MS Tunes

All criteria were met for the VOC and SVOC analyses.

Initial and Continuing Calibrations

Compounds that did not meet criteria in the VOC and SVOC initial and continuing calibrations are summarized in the following tables.

Instrument ID MSD Compound	CC 6/23/02
1,1,2,2-tetrachloroethane	XX (32.0%)
Samples Affected	SB-25-61402 5-6 FT DL, SB-26-61402 5-6 FT DL, SB-19-61402 7-8 FT DL

Instrument: ID 5972-1 Comparator	IC 6/7/02	CC 6/25/02	CC 6/26/02	CC 6/26/02
hexachlorocyclopentadiene	X (48.5%)	XX (36.0%)	XX (84.5%)	
3-nitroaniline	X (41.0%)	XX (43.3%)		
2,4-dinitrophenol	X (34.7%)	XX (60.8%)	XX (63.3%)	
4-chloroaniline		XX (37.4%)		
4-nitrophenol		XX (39.7%)	XX (34.2%)	
4,6-dinitro-2-methylphenol		XX (30.2%)	XX (41.4%)	
pentachlorophenol		XX (35.3%)	XX (35.9%)	
3,3'-dichlorobenzidine		XX (34.3%)		XX (52.8%)
di-n-octylphthalate		XX (36.6%)		
dibenz(a,h)anthracene		XX (27.4%)		
Samples Affected	All samples	RB-SB-61302, RB-SB-61402	RB-SB-61302RE, RB-SB-61402RE	SB-27D, SB24, SB22

Instrument: ID 5972-1 Comparator	CC 6/28/02	CC 7/02/02
hexachlorocyclopentadiene	X (37.3%)	XX (28.5%)
3-nitroaniline	X (47.4%)	
2,4-dinitrophenol	X (51.7%)	XX (40.9%) +(0.049)
4-chloroaniline	X (26.0%)	
4-nitrophenol	X (42.4%)	XX (25.8%) +(0.048)
4,6-dinitro-2-methylphenol	X (25.7%)	
pentachlorophenol	X (34.6%)	XX (25.6%) +(0.046)
di-n-octylphthalate	X (34.9%)	
Samples Affected	SB-27, SB-28, SB-17, SB-19, SB-25, SB-23, SB-23D, SB-21, SB-18, SB-20	SB-27RE, SB-25RE, SB-26

- X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (Jc) positive and (UJc) blank-qualified nondetect results.
- XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJc) positive and nondetect results.
- += Response factor (RRF) < 0.05; Estimate (Jc) positive results and reject (Rc) nondetect results.

The following positive and/or nondetect results were qualified as estimated (J/UJc) due to continuing calibration nonconformances: 4-chloroaniline, hexachlorocyclopentadiene, 3-nitroaniline, 3,3'-dichlorobenzidine, di-n-octylphthalate, and dibenz(ah)anthracene in samples RB-SB-61302 and RB-SB-61402; 3,3'-dichlorobenzidine in samples SB-27D, SB-24, and SB-22; 4-chloroaniline, hexachlorocyclopentadiene, 3-nitroaniline, 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, pentachlorophenol, and di-n-octylphthalate in samples SB-28, SB-17, SB-19, SB-23, SB-23D, SB-21, SB-18, and SB-20; and hexachlorocyclopentadiene in samples SB-27RE, SB-25RE, and SB-26. The direction of the bias cannot be determined from these nonconformances. The nondetect results for 2,4-dinitrophenol, 4-nitrophenol, and pentachlorophenol in samples SB-27RE, SB-25RE, and SB-26 were rejected (Rc) due to low response factors in the continuing calibration.

Validation actions were not required for 1,1,2,2-tetrachloroethane in samples SB-25-61402 5-6 FT DL, SB-26-61402 5-6 FT DL, SB-19-61402 7-8 FT DL due to continuing calibration nonconformances as this compound was not reported from the diluted analysis. Validation actions were not required for hexachlorocyclopentadiene, 3-nitroaniline, and 2,4-dinitrophenol in all samples due to initial calibration nonconformances as all results were nondetect. Validation actions were not required for 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, and pentachlorophenol in samples RB-SB-61302 and RB-SB-61402 due to continuing calibration nonconformances as these results were subsequently rejected due to low surrogate recoveries. Validation actions were not required for hexachlorocyclopentadiene, 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, and pentachlorophenol in samples RB-SB-61302RE and RB-SB-61402RE due to continuing calibration nonconformances as the reanalyses were not reported. Validation actions were not required for 4-chloroaniline, hexachlorocyclopentadiene, 3-nitroaniline, 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, pentachlorophenol, and di-n-octylphthalate in samples SB-27 and SB-25 due to continuing calibration nonconformances as the reanalyses of these samples were reported.

Blanks

Target analytes were not detected in the SVOC method blanks.

The following table summarizes the method blank contamination in the VOC analyses.

Compound	Type of Blank	Associated Samples	Maximum Concentration	Blank Action Level
tetrachloroethene	Soil Method Blank	All samples	0.9 ug/kg	4.5 ug/kg

Blank Actions

If the sample concentration \leq QL and \leq blank action level, qualify the result as not detected (Um) at the QL.

If the sample concentration $>$ QL and \leq blank action level, qualify the result as not detected (Um) at the reported value.

If the sample concentration $>$ blank action level, report the value unqualified.

Based on the action levels determined, the tetrachloroethene results in sample SB-22 was qualified as nondetect (Um) at the reported values due to method blank contamination.

Target analytes were not detected in the VOC and SVOC field blank samples RB-SB-61302 and RB-SB-61402 and VOC trip blank sample TB-61302.

Sample TIC results less than 10 times the levels detected in the associated blank samples were rejected (Rm).

Surrogate Recoveries

All surrogate recovery criteria were met for the VOC samples.

The following table summarizes the surrogate recoveries that failed to meet the acceptance criteria in the SVOC analyses which were not performed on dilutions:

Sample ID	Percent Recovery						Action
	2-FP 21-160	Phenol-d5 24-113	TBP 20-130	NBZ 23-120	2-FBP 30-115	TP-d14 21-117	
RB-SB-61302	4%	-	16%	-	-	-	Reject (Rs) the nondetect results for all acid compounds in sample RB-SB-61302.
RB-SB-61302RE	4%	-	17%	-	-	-	Validation action not required; original analysis reported.
RB-SB-61402	5%	-	12%	-	-	-	Reject (Rs) the nondetect results for all acid compounds in sample RB-SB-61402.
RB-SB-61402RE	5%	-	13%	-	-	-	Validation action not required; original analysis reported.
SB-27	19%	18%	-	18%	25%	-	Validation action not required; reanalysis reported.
SB-25	8%	7%	5%	6%	13%	-	Validation action not required; reanalysis reported.

- Within control limits

2-FP - 2-Fluorophenol

TBP - 2,4,6-Tribromophenol

NBZ - Nitrobenzene-d5

2-FBP - 2-Fluorobiphenyl

TP-d14 - Terphenyl-d14

MS/MSD Results

An MS/MSD was performed on sample SB-24-61302-4.5-5.5 FT for the VOC and SVOC analyses. The following table lists the analyte MS/MSD recoveries and/or %RPDs which were outside of the

laboratory established control limits in the VOC and SVOC analyses.

Compound	MS %R	MSD %R	RPD %	QC Limits	Action
1,4-dichlorobenzene	18	19	-	28-104/27	Estimate (UJm) the nondetect result for 1,4-dichlorobenzene in sample SB-24; result may be biased low.
n-Nitroso-di-n-propylamine	35	-	-	41-126/38	Estimate (UJm) the nondetect result for n-Nitroso-di-n-propylamine in sample SB-24; result may be biased low.
1,2,4-trichlorobenzene	28	30	-	38-107/23	Estimate (UJm) the nondetect result for 1,2,4-trichlorobenzene in sample SB-24; result may be biased low.
trichloroethene	157	-	-	64-136/24	Estimate (Jm) the positive result for trichloroethene in sample SB-24; result may be biased high.
toluene	126	126	-	76-124/21	Estimate (Jm) the positive result for toluene in sample SB-24; result may be biased high.

-within control limits

Internal Standards

The following table lists the internal standard areas found outside of the validation control limits.

Sample	Internal Standard	Recovery (%)	Action
SB-25-61402 5-6 FT	1,4-dichlorobenzene-d4	20.7	Validation action was not required. Internal areas were acceptable in the reanalysis. Reanalysis results were reported for this sample.
	naphthalene-d8	22.3	
	acenaphthene-d10	21.3	
	phenanthrene-d10	19.6	
	chrysene-d12	10.2	
	perylene-d12	0	

LCS Results

The following table lists the compound recoveries found outside of the validation control limits of 60 - 140% or laboratory established control limit (if tighter) in the VOC and SVOC analyses and the resultant actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Actions
dichlorodifluoromethane	36	60-140	All samples	Estimate (UJ _i) the nondetect results for dichlorodifluoromethane in all samples; results may be biased low.

Compound	Recovery (%)	Control Limits	Associated Samples	Actions
Phenol	32	60-140	All Equipment blank samples	No validation actions required. Nondetect results were previously rejected due to low surrogate recoveries.
4-nitrophenol	21	60-140	All Equipment blank samples	No validation actions required. Nondetect results were previously rejected due to low surrogate recoveries.
Phenol	48	60-140	SB-27RE and SB-25RE	Estimate (UJ_L) the nondetect results for phenol in the associated samples; results may be biased low.
2-chlorophenol	48	60-140	SB-27RE and SB-25RE	Estimate (UJ_L) the nondetect results for 2-chlorophenol in the associated samples; results may be biased low.
1,4-dichlorobenzene	36	60-140	SB-27RE and SB-25RE	Estimate (UJ_L) the nondetect results for 1,4-dichlorobenzene in the associated samples; results may be biased low.
N-nitroso-di-n-propylamine	47	60-140	SB-27RE and SB-25RE	Estimate (UJ_L) the nondetect results for N-nitroso-di-n-propylamine in the associated samples; results may be biased low.
1,2,4-trichlorobenzene	49	60-140	SB-27RE and SB-25RE	Estimate (UJ_L) the nondetect results for 1,2,4-trichlorobenzene in the associated samples; results may be biased low.
4-chloro-3-methylphenol	52	60-140	SB-27RE and SB-25RE	Estimate (UJ_L) the nondetect results for 4-chloro-3-methylphenol in the associated samples; results may be biased low.
Acenaphthene	58	60-140	SB-27RE and SB-25RE	Estimate (UJ_L) the nondetect results for acenaphthene in the associated samples; results may be biased low.
2,4-dinitrotoluene	49	60-140	SB-27RE and SB-25RE	Estimate (UJ_L) the nondetect results for 2,4-dinitrotoluene in the associated samples; results may be biased low.
Phenol	48	60-140	All soil samples with the exception of SB-27 and SB-25	Estimate (UJ_L) the nondetect results for phenol in the associated samples; results may be biased low.
2-chlorophenol	48	60-140	All soil samples with the exception of SB-27 and SB-25	Estimate (UJ_L) the nondetect results for 2-chlorophenol in the associated samples; results may be biased low.

Compound	Recovery (%)	Control Limits	Associated Samples	Actions
1,4-dichlorobenzene	28	60-140	All soil samples with the exception of SB-27 and SB-25	Estimate (J/UJ_L) the positive and/or nondetect results for 1,4-dichlorobenzene in the associated samples; results may be biased low.
n-nitroso-di-n-propylamine	44	60-140	All soil samples with the exception of SB-27 and SB-25	Estimate (UJ_L) the nondetect results for n-nitroso-di-n-propylamine in the associated samples; results may be biased low.
1,2,4-trichlorobenzene	41	60-140	All soil samples with the exception of SB-27 and SB-25	Estimate (UJ_L) the nondetect results for 1,2,4-trichlorobenzene in the associated samples; results may be biased low.
4-chloro-3-methylphenol	48	60-140	All soil samples with the exception of SB-27 and SB-25	Estimate (UJ_L) the nondetect results for 4-chloro-3-methylphenol in the associated samples; results may be biased low.
acenaphthene	54	60-140	All soil samples with the exception of SB-27 and SB-25	Estimate (UJ_L) the nondetect results for acenaphthene in the associated samples; results may be biased low.
2,4-dinitrotoluene	41	60-140	All soil samples with the exception of SB-27 and SB-25	Estimate (UJ_L) the nondetect results for 2,4-dinitrotoluene in the associated samples; results may be biased low.
4-nitrophenol	44	60-140	All soil samples with the exception of SB-27 and SB-25	Estimate (UJ_L) the nondetect results for 4-nitrophenol in the associated samples; results may be biased low.
pentachlorophenol	56	60-140	All soil samples with the exception of SB-27 and SB-25	Estimate (UJ_L) the nondetect results for pentachlorophenol in the associated samples; results may be biased low.

Validation actions were not required for 4-nitrophenol and pentachlorophenol in sample SB26 due to LCS recoveries as the results were previously rejected due to low response factors.

Field Duplicate Results

Samples SB-27-61302 6-7.5 FT and SB-27D-61302 6-7.5 FT were identified as the field duplicate pair. The following table lists the %RPDs found outside of the control limit of 50% or 100% for sample levels <5xQL (quantitation limit). The direction of the bias cannot be determined by this nonconformance.

Analyte	SB-27-61302 6-7.5 FT (mg/kg)	SB-27D-61302 6-7.5 FT (mg/kg)	RPD (%)	Actions
Chloromethane	1.2U	5.0	200	Estimate (Jf/UJf) the positive and nondetect results for chloromethane in samples SB-27-61302 6-7.5 FT and SB-27D-61302 6-7.5 FT.

Samples SB-23-61302 6-7 FT and SB-23D-61302 6-7 FT were identified as the field duplicate pair. The following table lists the %RPDs found outside of the control limit of 50% or 100% for sample levels <5xQL (quantitation limit). The direction of the bias cannot be determined by this nonconformance.

Analyte	SB-23-61302 6-7 FT (mg/kg)	SB-23D-61302 6-7 FT (mg/kg)	RPD (%)	Actions
Vinyl Chloride	4.5	39	158.6	Estimate (Jf) the positive results for vinyl chloride in samples SB-23-61302 6-7 FT and SB-23D-61302 6-7 FT.
cis-1,2-dichloroethene	330	110	100	Estimate (Jf) the positive results for cis-1,2-dichloroethene in samples SB-23-61302 6-7 FT and SB-23D-61302 6-7 FT.
Chlorobenzene	26	51	64.9	Estimate (Jf) the positive results for chlorobenzene in samples SB-23-61302 6-7 FT and SB-23D-61302 6-7 FT.

Sample Quantitation and Data Assessment

Results were reported which were below the lowest calibration standard level but greater than the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified as estimated (J_Q).

The following table lists the sample dilutions performed due to high levels of target compounds and analyte results reported.

Sample	Analyses	Results Reported
SB-23-61302 6-7 FT	VOC	Report the result for cis-1,2-dichloroethene, chlorobenzene, and 1,2-dichlorobenzene from the diluted (1 gram) analysis. Report all other analytes from undiluted analysis.
SB-25-61402 5-6 FT	VOC	Report the result for tetrachloroethene from the medium level analysis. Report all other analytes from the low level analysis.
SB-26-61402 5-6 FT	VOC	Report the result for tetrachloroethene from the medium level analysis. Report all other analytes from the low level analysis.

Sample	Analyses	Results Reported
SB-17-61402 5-6 FT	VOC	Report the result for 4-isopropyltoluene from the diluted (1 gram) analysis. Report all other analytes from undiluted analysis.
SB-19-61402 7-8 FT	VOC	Report the result for trichloroethene from the medium level analysis. Report all other analytes from the low level analysis.

Samples were reanalyzed due to poor surrogate and/or internal standard areas. The following table lists the analyses which were reported.

Sample	Analyses	Results Reported
RB-SB-61302/RE	SVOC	Poor surrogate recoveries in both analyses. Report original analysis.
RB-SB-61402/RE	SVOC	Poor surrogate recoveries in both analyses. Report original analysis.
SB-25-61402 5-6 FT/RE	SVOC	Poor surrogate recoveries and IS areas in original analysis. Report reanalysis results with acceptable surrogate recoveries and IS areas.
SB-27-61302 6-7.5 FT/RE	SVOC	Poor surrogate recoveries in original analysis. Report reanalysis results with acceptable surrogate recoveries.

Tentatively Identified Compounds

TIC results were qualified as estimated (J_T , JN_T) as compound specific response factors are not used for the compound quantitation.

NATIONAL FUNCTIONAL VALIDATION GUIDELINES FOOTNOTES

Uf	Compound was present in the associated field blank. Organic results greater than the reported detection limit but lower than the action level: report the sample concentration followed by "U". For inorganics, the analyte was present in the associated blank. The sample result was less than the action level of 5X the maximum concentration found in any blank and has been qualified as nondetected.
Um	Compound was present in the associated laboratory blank. For organic results greater than the reported detection limit but lower than the action level: report the sample concentration followed by "U". For inorganics, the analyte was present in the associated blank. The sample result was less than the action level of 5X the maximum concentration found in any blank and has been qualified as nondetected.
J/UJa	The result of the furnace analytical spike was outside of criteria. Positive and/or nondetect sample results are estimated dependant on the recovery.
J/UJb	The ICS recovery of an element is outside of criteria or positive or nondetect interference was detected in the ICSA analysis. The reported result or detection limit is estimated or rejected based on the recovery or estimated interference.
J/UJc	The initial %RSD was greater than 30% for semivolatile and volatiles or greater than 20% for pesticide/PCB or the continuing calibration %D was greater than 25%; estimate positive results and non-detects. For inorganics, the initial or continuing calibration verification standard was outside of control limits of 90 - 110% for metals, 80 - 120% for Mercury or 85 - 115% for Cyanide. The positive or non-detected results are estimated dependent on the recovery.
J/UJd	The RPD for laboratory duplicate sample analysis results exceeded 20% (35% for soils) for this analyte. The reported results are estimated.
J/UJf	Field duplicate %RPD was high (greater than 50% for soils or greater than 30% for waters) for this compound: estimate positive results for this compound in the sample and duplicate. For results less than 5XQL, field duplicate precision is evaluated with control limit of 100%RPD.
J/UJ/Rh	Holding times have been exceeded or samples were improperly preserved; estimate positive results and non-detects or reject results if holding times were grossly exceeded.
J/UJ/R _i	One or more of the Internal standard (IS) areas were not within the required control limits: estimate positive results and/or non-detects for all compounds quantitated from that IS dependent on the area, or if one or more IS areas were grossly low: estimate positive results and reject non-detects for all compounds quantitated from that IS.
J/UJ/R _L	The blank spike and/or blank spike duplicate % recoveries were not within the control limits of 60 - 140% for organics or 80 - 120% for inorganics for this analyte: estimate positive and/or non-detected results in the unspiked sample dependent on the recovery. The BS and/or BSD % recoveries were less than 10% (for organics) or less than 30% (for inorganics) for this analyte: estimate positive results and reject non-detects.
J/UJ/Rm	The matrix spike (MS) and/or matrix spike duplicate (MSD) % recoveries were not within the control limits for this compound: estimate positive and/or non-detected results in the unspiked sample dependent on the recovery. The MS and/or MSD % recoveries were less than 10% (for organics) or less than 30% (for inorganics) for this analyte: estimate positive results in the unspiked sample and reject non-detects.
Jp	The results of the ICP Serial Dilution analysis were outside of criteria. Positive sample results are

estimated.

J_Q For inorganics, the result is estimated as the level is less than 2X the instrument detection limit and for organics, the result is estimated as the level is less than the lowest calibration standard; uncertainty is present at the low end of calibration. Pesticide compounds which have concentration values differing by greater than 25% in its two analyses. Estimate positive results for the compounds.

$J/UJ/R_s$ One or more of the surrogate standard % recoveries was found outside of established control limits: estimate positive and/or non-detected results dependent on recovery. For surrogate recoveries less than 10%, estimate positive results and reject non-detects. For semi-volatile samples 2 or more surrogates were outside of control limits within one fraction.

J/JN_T The TIC result is estimated as a compound specific response factor is not used for the quantitation.

Project: Stratton ANG Base
Laboratory: Severn Trent Laboratories, Newburgh, NY
Report No.: 212860
Reviewer: Lorie MacKinnon
Date: November 12, 2002

Samples Reviewed

Metals:

14/Sediment/ SB-27-61302 6-7.5 FT, SB-27D-61302 6-7.5 FT, SB-28-61302 7-8 FT,
SB-23-61302 6-7 FT, SB-24-61302 4.5-5.5 FT, SB-23D-61302 6-7 FT,
SB-21-61402 7-8 FT, SB-22-61402 5-6 FT, SB-25-61402 5-6 FT, SB-26-
61402 5-6 FT, SB-18-61402 2-4 FT, SB-17-61402 5-6 FT, SB-19-61402
7-8 FT, SB-20-61402 4.5-5.5 FT,
(Soil field duplicate pairs: SB-27-61302 6-7.5 FT/SB-27D-61302 6-7.5 FT and
SB-23-61302 6-7 FT/SB-23D-61302 6-7 FT)
2/Equipment Blank/ RB-SB-61302, RB-SB-61402

The above listed samples were analyzed for TAL metals by SW-846 method 6010B/7000 series.
The data validation was performed based on the National Functional Guidelines for Evaluating
Inorganic Analyses, EPA 540/R-94/012, dated February 1994.

The inorganic data were evaluated based on the following parameters:

- Holding Times and Sample Preservation
- Instrument Calibration
- * Contract Required Detection Limit (CRDL) Standard Analysis
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample Results
- Matrix Spike (MS) Results
- * Laboratory Duplicate Results
- Field Duplicate Results
- * Laboratory Control Sample (LCS) Results
- * ICP Serial Dilution Results
- Furnace AA results
- Detection Limit Results
- * Sample Quantitation
- * All criteria were met for this parameter.

All results were found to be usable. The validation recommendations were based on the following
information.

Holding Times and Sample Preservation

The mercury analysis for sample SB-27D-61302 6-7.5 FT took place one day outside of the required holding time. The mercury result for sample SB-27D-61302 6-7.5 FT was qualified as estimated (Jh). The result may be biased low.

Instrument Calibration

The following table lists the analytes which exhibited recoveries outside of the control limits in the continuing calibration.

Analyte	Standard	Recovery (%)	Associated Samples	Actions
Arsenic	7/30/02 CCV5	89.9	No associated samples	Validation actions were not required, samples were not bracketed by this standard.
Selenium	07/24/02 CCV1	110.4	SB-27-61302 6-7.5 FT	Estimate (Jc) the positive result for selenium in sample SB-27; possible high bias.

CCV - continuing calibration verification

CRDL Standard Analysis

All criteria were met.

Blank Results

The following table summarizes the blank contaminants detected in the laboratory blanks associated with the soil samples, associated action levels, and validation actions applied.

Analyte	Action Level (mg/kg)	Validation Actions
Barium	1.8	Validation actions were not required. .
Calcium	152.5	Qualify positive result for calcium in sample SB-24 as nondetect (Um).
Chromium	1.0	Validation actions were not required.
Iron	14.0	Validation actions were not required.
Manganese	2.0	Validation actions were not required.
Potassium	240.7	Validation actions were not required.
Silver	-3.3	Estimate (UJe) the nondetect results for silver for all soils samples; possible low bias.

Sodium	339	Qualify positive results for sodium in samples SB-27, SB-27D, SB-28, SB-23, SB-24, SB-21, SB-22, SB-25, SB-26, SB-18, SB-17, SB-19, and SB-20 as nondetect (Um).
Thallium	5.5	Qualify positive result for thallium in sample SB-24 as nondetect (Um).

Qualification of the data was performed as follows:

For positive contamination,

If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as a nondetect (Um) at the reported concentration.

If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

For negative contamination,

For positive results < the Action Level and nondetect results, qualify the result as a estimated (J/UJe) at the reported concentration. The result may be biased low.

If the positive sample value was > the Action Level, report the value unqualified.

The following table summarizes the blank contaminants detected in the field blank sample RB-SB-61302 (associated with 6/13/02 samples), the associated action levels, and validation actions applied.

Analyte	Level Detected/ Equivalent Soil level	Action Level (mg/kg)	Validation Actions
Calcium	242 ug/L/48.4 mg/kg	242	Validation actions were not required.
Chromium	5.3 ug/L/1.06 mg/kg	5.3	Validation actions were not required.
Iron	80.2 ug/L/16 mg/kg	80.2	Validation actions were not required.
Magnesium	19.4 ug/L/3.88 mg/kg	19.4	Validation actions were not required.
Manganese	6.0 ug/L/1.2 mg/kg	6.0	Validation actions were not required.
Potassium	255 ug/L/51 mg/kg	255	Validation actions were not required.
Sodium	2440 ug/L/488 mg/kg	2440	Qualify positive result for sodium in sample SB-23D as nondetect (Uf).
Thallium	5.5 ug/L/1.1 mg/kg	5.5	Validation actions were not required.

The following table summarizes the blank contaminants detected in the field blank sample RB-SB-61402 (associated with 6/14/02 samples), the associated action levels, and validation actions applied.

Analyte	Level Detected/ Equivalent Soil level	Action Level (mg/kg)	Validation Actions
Iron	42.7 ug/L/8.5 mg/kg	42.7	Validation actions were not required.
Magnesium	20.8 ug/L/4.16 mg/kg	20.8	Validation actions were not required.
Manganese	1.9 ug/L/0.38 mg/kg	1.9	Validation actions were not required.
Potassium	255 ug/L/51 mg/kg	255	Validation actions were not required.

Interference Check Sample Results

All analyte recoveries were within control limits in the ICSAB sample.

Positive results were observed for barium, cadmium, chromium, potassium, sodium, and thallium and negative results were observed for arsenic, manganese, and silver in the ICSA solution analysis associated with the soil samples. The levels of interferents in the associated samples were reviewed. Iron was present in samples SB-27 (70%), SB-27D (75%), SB-28 (81%), SB-23 (57%), SB-24 (83%), SB-21 (53%), SB-22 (59%), SB-25 (84%), SB-26 (73%), SB-18 (77%), SB-17 (73%), SB-19 (86%), and SB-20 (84%) at greater than 50% that of the level in the ICSA solution. The following table lists the calculated possible interferences and the resulting validation actions. Professional judgement was used to accept results in which the estimated interference was less than 10% of the analyte level detected or in which the estimated negative interference for a nondetect result was less than one-half the QL.

Sample	Analyte	Sample Wet Weight Result (mg/kg)	Estimated Interference (mg/kg)	Actions
SB-27- 61302 6- 7.5 FT	Arsenic	9.96	-1.26	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	59.8	0.28	No validation action required; interference <10% sample level.
	Cadmium	0.45	1.12	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	16.8	0.56	No validation action required; interference <10% sample level.
	Manganese	573.9	-1.4	No validation action required; interference <10% sample level.
	Potassium	1815	48.9	No validation action required; interference <10% sample level.
	Silver	0.31 U	-1.7	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	75.6 Um	43.5	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	0.73 U	2.2	No validation action required; nondetect result not affected by potential high bias.

Sample	Analyte	Sample Wet Weight Result (mg/kg)	Estimated Interference (mg/kg)	Actions
SB-27D-61302 6-7.5 FT	Arsenic	10.2	-1.35	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	64.0	0.30	No validation action required; interference <10% sample level.
	Cadmium	0.50	1.2	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	18.4	0.60	No validation action required; interference <10% sample level.
	Manganese	721	-1.5	No validation action required; interference <10% sample level.
	Potassium	1922	52.3	No validation action required; interference <10% sample level.
	Silver	0.31 U	-1.8	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	76.8 Um	46.7	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	0.73 U	2.4	No validation action required; nondetect result not affected by potential high bias.
SB-28-61302 7/8 FT	Arsenic	13.4	-1.46	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	69.14	0.32	No validation action required; interference <10% sample level.
	Cadmium	0.60	1.30	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	20.0	0.65	No validation action required; interference <10% sample level.
	Manganese	562.2	-1.62	No validation action required; interference <10% sample level.
	Potassium	1981.7	56.5	No validation action required; interference <10% sample level.
	Silver	0.31 U	-1.94	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	95 Um	50.4	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	0.72 U	2.6	No validation action required; nondetect result not affected by potential high bias.
SB-23-61302 6-7 FT	Arsenic	6.85	-1.0	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	74.5	0.23	No validation action required; interference <10% sample level.
	Cadmium	0.43	0.91	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	16.1	0.46	No validation action required; interference <10% sample level.
	Manganese	423.3	-1.14	No validation action required; interference <10% sample level.
	Potassium	1603	39.8	No validation action required; interference <10% sample level.
	Silver	0.31 U	-1.4	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	90.2 Um	35.5	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	0.73 U	1.82	No validation action required; nondetect result not affected by potential high bias.
SB-24-61302 4.5-5.5 FT	Arsenic	12.9	-1.49	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	81.3	0.33	No validation action required; interference <10% sample level.
	Cadmium	0.67	1.33	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	20.3	0.66	No validation action required; interference <10% sample level.
	Manganese	887.9	-1.66	No validation action required; interference <10% sample level.
	Potassium	2009	57.9	No validation action required; interference <10% sample level.
	Silver	0.31 U	-2.0	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	91.4 Um	51.6	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	2.67 Um	2.66	Estimate (UJb) the blank-qualified result for thallium; possible high bias.

Sample	Analyte	Sample Wet Weight Result (mg/kg)	Estimated Interference (mg/kg)	Actions
SB-21-61402 7-8 FT	Arsenic	5.34	-0.95	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	53.3	0.21	No validation action required; interference <10% sample level.
	Cadmium	0.29	0.84	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	16.5	0.42	No validation action required; interference <10% sample level.
	Manganese	636.8	-1.06	No validation action required; interference <10% sample level.
	Potassium	1670.6	36.85	No validation action required; interference <10% sample level.
	Silver	0.31 U	-1.27	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	84.7 Um	32.8	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	0.73 U	1.69	No validation action required; nondetect result not affected by potential high bias.
SB-22-61402 5-6 FT	Arsenic	6.6	-1.06	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	84.5	0.24	No validation action required; interference <10% sample level.
	Cadmium	0.47	0.94	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	16.6	0.47	No validation action required; interference <10% sample level.
	Manganese	424.8	-1.18	No validation action required; interference <10% sample level.
	Potassium	1798	41.2	No validation action required; interference <10% sample level.
	Silver	0.31 U	-1.42	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	102.6Um	36.7	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	0.73 U	1.89	No validation action required; nondetect result not affected by potential high bias.
SB-25-61402 5-6 FT	Arsenic	12.9	-1.5	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	81.9	0.34	No validation action required; interference <10% sample level.
	Cadmium	0.73	1.34	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	20.7	0.67	No validation action required; interference <10% sample level.
	Manganese	943	-1.68	No validation action required; interference <10% sample level.
	Potassium	1931	58.6	No validation action required; interference <10% sample level.
	Silver	0.31 U	-2.0	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	86.8 Um	52.2	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	0.73 U	2.69	No validation action required; nondetect result not affected by potential high bias.
SB-26-61402 5-6 FT	Arsenic	11.5	-1.31	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	60.3	0.29	No validation action required; interference <10% sample level.
	Cadmium	0.45	1.17	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	18.4	0.58	No validation action required; interference <10% sample level.
	Manganese	321.8	-1.46	No validation action required; interference <10% sample level.
	Potassium	1816	51.0	No validation action required; interference <10% sample level.
	Silver	0.31 U	-1.75	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	83.3 Um	45.4	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	0.73 U	2.34	No validation action required; nondetect result not affected by potential high bias.

Sample	Analyte	Sample Wet Weight Result (mg/kg)	Estimated Interference (mg/kg)	Actions
SB-18-61402 2-4 FT	Arsenic	6.46	-1.39	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	217.4	0.31	No validation action required; interference <10% sample level.
	Cadmium	0.52	1.23	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	24.8	0.62	No validation action required; interference <10% sample level.
	Manganese	163	-1.54	No validation action required; interference <10% sample level.
	Potassium	2014	53.7	No validation action required; interference <10% sample level.
	Silver	0.31 U	-1.85	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	167 Um	47.9	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
SB-17-61402 5-6 FT	Thallium	0.73 U	2.5	No validation action required; nondetect result not affected by potential high bias.
	Arsenic	7.42	-1.31	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	115.6	0.29	No validation action required; interference <10% sample level.
	Cadmium	0.52	1.17	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	20.8	0.58	No validation action required; interference <10% sample level.
	Manganese	520	-1.46	No validation action required; interference <10% sample level.
	Potassium	1890	51.0	No validation action required; interference <10% sample level.
	Silver	0.31 U	-1.75	Estimate (UJb) the nondetect result for silver; possible low bias.
SB-19-61402 7-8 FT	Sodium	151 Um	45.4	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	0.73 U	2.34	No validation action required; nondetect result not affected by potential high bias.
	Arsenic	12.2	-1.55	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	65.7	0.34	No validation action required; interference <10% sample level.
	Cadmium	0.62	1.4	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	22.0	0.69	No validation action required; interference <10% sample level.
	Manganese	693.7	-1.72	No validation action required; interference <10% sample level.
	Potassium	1816	60.0	No validation action required; interference <10% sample level.
SB-20-61402 4.5 -5.5 FT	Silver	0.31 U	-2.06	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	82.7 Um	53.5	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	0.73 U	2.75	No validation action required; nondetect result not affected by potential high bias.
	Arsenic	11.43	-1.5	Estimate (Jb) the positive result for arsenic; possible low bias.
	Barium	66.3	0.34	No validation action required; interference <10% sample level.
	Cadmium	0.57	1.34	Estimate (Jb) the positive result for cadmium; possible high bias.
	Chromium	21.2	0.67	No validation action required; interference <10% sample level.
	Manganese	792.1	-1.68	No validation action required; interference <10% sample level.
	Potassium	2161	58.6	No validation action required; interference <10% sample level.
	Silver	0.31 U	-2.0	Estimate (UJb) the nondetect result for silver; possible low bias.
	Sodium	129 Um	52.2	Estimate (UJb) the blank-qualified result for sodium; possible high bias.
	Thallium	0.72 U	2.7	No validation action required; nondetect result not affected by potential high bias.

Matrix Spike Results

A matrix spike was performed on sample SB-24-61302 4.5-5.5 FT for the metals analysis. The following table lists the analyte recoveries found outside of recovery control limits of 75-125% and the resultant actions.

Analyte	Recovery (%)	Actions
Mercury	171.6	Estimate (Jm) the positive results for mercury in samples SB28-61302 7-8 FT and SB25-61402 5-6 FT; possible high bias.
Antimony	53.1	Estimate (J/UJm) the positive and/or nondetect results for antimony in all soil samples; possible low bias.
Silver	57.6	Estimate (J/UJm) the positive and/or nondetect results for silver in all soil samples; possible low bias.

The recovery for manganese was outside of the control limits of 75 - 125% in the MS performed on sample SB-24; however, since the sample level was greater than four times the spiking level, no validation action was required.

A matrix spike was also performed on sample SB27D-61302 for the mercury analysis. The recovery for mercury (153.6%) exceeded the control limits in this analysis. No further validation action was required.

Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample SB-24-61302 4.5-5.5 FT for the metals analysis. All criteria were met.

LCS Results

All criteria were met.

ICP Serial Dilution Results

An ICP serial dilution analysis was performed on sample SB-24-61302 4.5-5.5 FT. All criteria were met.

Field Duplicate Results

Samples SB-27-61302 6-7.5 FT and SB-27D-61302 6-7.5 FT were identified as field duplicate samples. All criteria were met.

Samples SB-23-61302 6-7 FT and SB-23D-61302 6-7 FT were identified as the field duplicate pair. The following table lists the %RPDs found outside of the control limit of 50% or 100% for sample

levels $<5 \times \text{QL}$ (quantitation limit). The direction of the bias cannot be determined by this nonconformance.

Analyte	SB-23-61302 6-7 FT (mg/kg)	SB-23D-61302 6-7 FT (mg/kg)	RPD (%)	Actions
Calcium	2130	659	105.5	Estimate (Jf) the positive results for calcium in samples SB-23-61302 6-7 FT and SB-23D-61302 6-7 FT.

Furnace AA Results

The following table lists the analyte recoveries found outside of the control limits of 85-115% for the furnace analytical spikes and the resultant actions.

Sample	Analyte	Recovery (%)	Actions
SB-28-61302 7-8 FT	Selenium	120	Validation action was not required. The selenium result for sample SB-28 was nondetect and therefore not affected by the potential high bias.
SB-22-61402 5-6 FT	Selenium	80	Estimate (Ja) the positive result for selenium in sample SB-22; potential low bias.

Detection Limit Results

Although not a requirement of the National Functional Validation Guidelines, positive results which were $\leq 2 \times$ the IDL were qualified as estimated (J5) due to uncertainty at the low end of calibration. The following results were affected by this qualification: selenium in samples SB-22, SB-27, SB-27D, and SB-23, mercury in sample SB-28, thallium in sample RB-SB-61302, magnesium in samples RB-SB-61302 and RB-SB-61402, and manganese in sample RB-SB-61402.

NATIONAL FUNCTIONAL VALIDATION GUIDELINES FOOTNOTES

Uf	Compound was present in the associated field blank. Organic results greater than the reported detection limit but lower than the action level: report the sample concentration followed by "U". For inorganics, the analyte was present in the associated blank. The sample result was less than the action level of 5X the maximum concentration found in any blank and has been qualified as nondetected.
Um	Compound was present in the associated laboratory blank. For organic results greater than the reported detection limit but lower than the action level: report the sample concentration followed by "U". For inorganics, the analyte was present in the associated blank. The sample result was less than the action level of 5X the maximum concentration found in any blank and has been qualified as nondetected.
J/UJa	The result of the furnace analytical spike was outside of criteria. Positive and/or nondetect sample results are estimated dependant on the recovery.
J/UJb	The ICS recovery of an element is outside of criteria or positive or nondetect interference was detected in the ICSA analysis. The reported result or detection limit is estimated or rejected based on the recovery or estimated interference.
J/UJc	The initial %RSD was greater than 30% for semivolatile and volatiles or greater than 20% for pesticide/PCB or the continuing calibration %D was greater than 25%; estimate positive results and non-detects. For inorganics, the initial or continuing calibration verification standard was outside of control limits of 90 - 110% for metals, 80 - 120% for Mercury or 85 - 115% for Cyanide. The positive or non-detected results are estimated dependent on the recovery.
J/UJd	The RPD for laboratory duplicate sample analysis results exceeded 20% (35% for soils) for this analyte. The reported results are estimated.
J/UJf	Field duplicate %RPD was high (greater than 50% for soils or greater than 30% for waters) for this compound: estimate positive results for this compound in the sample and duplicate. For results less than 5XQL, field duplicate precision is evaluated with control limit of 100%RPD.
J/UJ/Rh	Holding times have been exceeded or samples were improperly preserved; estimate positive results and non-detects or reject results if holding times were grossly exceeded.
J/UJ/R _i	One or more of the Internal standard (IS) areas were not within the required control limits: estimate positive results and/or non-detects for all compounds quantitated from that IS dependent on the area, or if one or more IS areas were grossly low: estimate positive results and reject non-detects for all compounds quantitated from that IS.
J/UJ/R _L	The blank spike and/or blank spike duplicate % recoveries were not within the control limits of 60 - 140% for organics or 80 - 120% for inorganics for this analyte: estimate positive and/or non-detected results in the unspiked sample dependent on the recovery. The BS and/or BSD % recoveries were less than 10% (for organics) or less than 30% (for inorganics) for this analyte: estimate positive results and reject non-detects.
J/UJ/Rm	The matrix spike (MS) and/or matrix spike duplicate (MSD) % recoveries were not within the control limits for this compound: estimate positive and/or non-detected results in the unspiked sample dependent on the recovery. The MS and/or MSD % recoveries were less than 10% (for organics) or less than 30% (for inorganics) for this analyte: estimate positive results in the unspiked sample and reject non-detects.
Jp	The results of the ICP Serial Dilution analysis were outside of criteria. Positive sample results are

estimated.

- J_Q** For inorganics, the result is estimated as the level is less than 2X the instrument detection limit and for organics, the result is estimated as the level is less than the lowest calibration standard; uncertainty is present at the low end of calibration. Pesticide compounds which have concentration values differing by greater than 25% in its two analyses. Estimate positive results for the compounds.
- J/UJ/Rs** One or more of the surrogate standard % recoveries was found outside of established control limits: estimate positive and/or non-detected results dependent on recovery. For surrogate recoveries less than 10%, estimate positive results and reject non-detects. For semi-volatile samples 2 or more surrogates were outside of control limits within one fraction.
- J/JN_T** The TIC result is estimated as a compound specific response factor is not used for the quantitation.

GROUNDWATER SAMPLING ANALYTICAL RESULTS
JUNE, 2002

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-0362602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-016

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3368.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/07/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	2.1	J ₀
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	41	
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.3	J ₀
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

000181



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FORM I VOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0362602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-016

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3368.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/07/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

000182

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0362602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-016

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3368.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/07/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0862602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-017

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3355.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/05/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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FORM IVOA

3/90



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

00190

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0862602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-017

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3355.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/05/02

GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0862602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-017

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3355.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/05/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0962602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-018

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3356.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/05/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	16	
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	2.4	Ja
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	24	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

000197

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0962602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-018

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3356.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/05/02

GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0962602

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
Matrix: (soil/water) WATER Lab Sample ID: 213350-018
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3356.D
Level: (low/med) LOW Date Received: 06/28/02
% Moisture: not dec. _____ Date Analyzed: 07/05/02
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 6MW-1062602

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-019

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3370.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/08/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U _m
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1062602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-019

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3370.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/08/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U _m
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1062602

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
Matrix: (soil/water) WATER Lab Sample ID: 213350-019
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3370.D
Level: (low/med) LOW Date Received: 06/28/02
% Moisture: not dec. _____ Date Analyzed: 07/08/02
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3333.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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FORM IVOA

3/90



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

000047

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1162602

Lab Name: STL Newburgh Contract: 01012.01Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350Matrix: (soil/water) WATER Lab Sample ID: 213350-002Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3333.DLevel: (low/med) LOW Date Received: 06/28/02% Moisture: not dec. _____ Date Analyzed: 07/03/02GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

000048

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1162602

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
Matrix: (soil/water) WATER Lab Sample ID: 213350-002
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3333.D
Level: (low/med) LOW Date Received: 06/28/02
% Moisture: not dec. _____ Date Analyzed: 07/03/02
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1262602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3335.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	2.4	J _Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 6MW-1262602

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3335.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1262602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3335.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1362602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-004

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3336.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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
75-71-8	Dichlorodifluoromethane	1.0	UJ _s	
74-87-3	Chloromethane	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-01-4	Vinyl Chloride	1.0	U	
75-00-3	Chloroethane	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
75-34-4	1,1-Dichloroethane	1.0	U	
590-20-7	2,2-Dichloropropane	1.0	U	
156-60-5	trans-1,2-Dichloroethylene	1.0	UJ _s	
540-59-0	cis-1,2-Dichloroethene	28	J _s	
67-66-3	Chloroform	1.0	UJ _s	
563-58-6	1,1-Dichloropropene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	UJ _s	
79-01-6	Trichloroethene	18	J _s	
71-43-2	Benzene	1.0	UJ _s	
142-28-9	1,3-Dichloropropane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
106-93-4	1,2-Dibromoethane	1.0	U	
75-25-2	Bromoform	1.0	UJ _s	
127-18-4	Tetrachloroethene	3700J _s 1400	E	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	UJ _s	
108-88-3	Toluene	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
108-38-3	m,p-Xylene	1.0	U	
95-47-6	o-Xylene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	UJ _s	

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STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1362602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-004

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3336.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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
98-82-8	Isopropylbenzene	1.0	UJ _s	
108-86-1	Bromobenzene	1.0	U	
103-65-1	n-Propylbenzene	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
108-67-8	1,3,5-Trimethylbenzene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
135-98-8	sec-Butylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
104-51-8	n-Butylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
91-20-3	Naphthalene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	UJ _s	

00006:

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1362602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-004

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3336.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1462602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3337.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1462602

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
 Matrix: (soil/water) WATER Lab Sample ID: 213350-005
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3337.D
 Level: (low/med) LOW Date Received: 06/28/02
 % Moisture: not dec. _____ Date Analyzed: 07/03/02
 GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1462602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3337.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1562602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3338.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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
75-71-8	Dichlorodifluoromethane		1.0	U
74-87-3	Chloromethane		1.0	U
74-83-9	Bromomethane		1.0	U
75-01-4	Vinyl Chloride		1.0	U
75-00-3	Chloroethane		1.0	U
75-69-4	Trichlorofluoromethane		1.0	U
75-09-2	Methylene Chloride		1.0	U
75-35-4	1,1-Dichloroethene		1.0	U
75-34-4	1,1-Dichloroethane		1.0	U
590-20-7	2,2-Dichloropropane		1.0	U
156-60-5	trans-1,2-Dichloroethylene		1.0	U
540-59-0	cis-1,2-Dichloroethene		1.0	U
67-66-3	Chloroform		1.0	U
563-58-6	1,1-Dichloropropene		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
74-97-5	Bromochloromethane		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon Tetrachloride		1.0	U
74-95-3	Dibromomethane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
10061-01-5	cis-1,3-Dichloropropene		1.0	U
79-01-6	Trichloroethene		1.0	U
71-43-2	Benzene		1.0	U
142-28-9	1,3-Dichloropropane		1.0	U
124-48-1	Dibromochloromethane		1.0	U
10061-02-6	trans-1,3-Dichloropropene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
106-93-4	1,2-Dibromoethane		1.0	U
75-25-2	Bromoform		1.0	U
127-18-4	Tetrachloroethene		0.5	JQ
630-20-6	1,1,1,2-Tetrachloroethane		1.0	U
108-88-3	Toluene		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
100-42-5	Styrene		1.0	UJ _m
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		1.0	U
96-18-4	1,2,3-Trichloropropane		1.0	U

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STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1562602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3338.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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
98-82-8	Isopropylbenzene	1.0	U	
108-86-1	Bromobenzene	1.0	U	
103-65-1	n-Propylbenzene	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
108-67-8	1,3,5-Trimethylbenzene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	Jm
135-98-8	sec-Butylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
104-51-8	n-Butylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
91-20-3	Naphthalene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1562602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3338.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1662602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3339.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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000093
STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1662602

Lab Name: STL Newburgh Contract: 01012.01Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350Matrix: (soil/water) WATER Lab Sample ID: 213350-007Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3339.DLevel: (low/med) LOW Date Received: 06/28/02% Moisture: not dec. _____ Date Analyzed: 07/03/02GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1662602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3339.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1762602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3332.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

000040



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FORM IVOA

3/90

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1762602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3332.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

000041

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1762602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3332.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1862602

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
 Matrix: (soil/water) WATER Lab Sample ID: 213350-008
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3340.D
 Level: (low/med) LOW Date Received: 06/28/02
 % Moisture: not dec. _____ Date Analyzed: 07/03/02
 GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	0.8	J _Q
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

000100



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3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1862602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3340.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1862602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3340.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1962602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-010

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3342.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1962602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-010

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3342.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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
98-82-8	Isopropylbenzene	1.0	U	
108-86-1	Bromobenzene	1.0	U	
103-65-1	n-Propylbenzene	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
108-67-8	1,3,5-Trimethylbenzene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
135-98-8	sec-Butylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
104-51-8	n-Butylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
91-20-3	Naphthalene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	

000117

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1962602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-010

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3342.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2062602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-011

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3343.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/04/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	28	
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	Jq
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.3	Jq
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

000123

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2062602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-011

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3343.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/04/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

000124

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-2062602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-011

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3343.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/04/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-012

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3344.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/04/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.2	JQ
540-59-0	cis-1,2-Dichloroethene	77	
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	18	
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	2.60 240	E
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

00013

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2162602

Lab Name: STL Newburgh Contract: 01012.01Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350Matrix: (soil/water) WATER Lab Sample ID: 213350-012Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3344.DLevel: (low/med) LOW Date Received: 06/28/02% Moisture: not dec. _____ Date Analyzed: 07/04/02GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-2162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-012

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3344.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/04/02

GC Column: DB-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/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW12162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-013

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3350.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/05/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	0.7	JQ
540-59-0	cis-1,2-Dichloroethene	70	
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	17	
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	260 -280	E
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

000150

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW12162602

Lab Name: STL Newburgh Contract: 01012.01Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350Matrix: (soil/water) WATER Lab Sample ID: 213350-013Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3350.DLevel: (low/med) LOW Date Received: 06/28/02% Moisture: not dec. _____ Date Analyzed: 07/05/02GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

000151

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW12162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-013

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3350.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/05/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-18162602

18162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-009

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3341.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/03/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	0.8	JQ
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

000108



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FORM I VOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-18162602

10/26/02

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: SAS No.: SDG No.: 213350
 Matrix: (soil/water) WATER Lab Sample ID: 213350-009
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3341.D
 Level: (low/med) LOW Date Received: 06/28/02
 % Moisture: not dec. Date Analyzed: 07/03/02
 GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-18162602

M. 5/20/02

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
Matrix: (soil/water) WATER Lab Sample ID: 213350-009
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3341.D
Level: (low/med) LOW Date Received: 06/28/02
% Moisture: not dec. _____ Date Analyzed: 07/03/02
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-PW-62602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-014

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3384.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/08/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	2.5	J _Q
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	2.2	J _Q
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.8	J _Q
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

FB-PW-62602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-014

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3384.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/08/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB-PW-62602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-014

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3384.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/08/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-62602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-015

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3353.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/05/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U



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FORM I VOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

000174
STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-62602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-015

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3353.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/05/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-62602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-015

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V3353.D

Level: (low/med) LOW Date Received: 06/28/02

% Moisture: not dec. _____ Date Analyzed: 07/05/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-0362602

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
 Matrix: (soil/water) WATER Lab Sample ID: 213350-016
 Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27821.D
 Level: (low/med) LOW Date Received: 6/28/02
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	U _{JL}
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U _{JL}
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U _{JL}
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U _{JL}
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U _{JL}
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	26	U _{JL}
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

000543

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0362602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-016

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27821.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U <i>R_L</i>
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

000544



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FORM I SV-2

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0362602

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
Matrix: (soil/water) WATER Lab Sample ID: 213350-016
Sample wt/vol: 950 (g/ml) ML Lab File ID: S27821.D
Level: (low/med) LOW Date Received: 6/28/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 001330-91-2	Phthalic acid, diisooctyl ester	21.03	5	JN _T

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0862602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-017

Sample wt/vol: 960.0 (g/ml) ML Lab File ID: S27822.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U _{JL}
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U _{JL}
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U _{JL}
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U _{JL}
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U _{JL}
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U _{JL}
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-0862602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-017

Sample wt/vol: 960.0 (g/ml) ML Lab File ID: S27822.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U RL
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0862602

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
Matrix: (soil/water) WATER Lab Sample ID: 213350-017
Sample wt/vol: 960 (g/ml) ML Lab File ID: S27822.D
Level: (low/med) LOW Date Received: 6/28/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2	22.05	4	Jr
2.	Unknown CnH2n+2	22.65	2	Jr
3.	Unknown CnH2n+2	23.23	12	Jr

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0962602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-018

Sample wt/vol: 940.0 (g/ml) ML Lab File ID: S27823.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	U _{JL}
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U _{JL}
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U _{JL}
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U _{JL}
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U _{JL}
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	27	U _{JL}
51-28-5	2,4-Dinitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-0962602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-018

Sample wt/vol: 940.0 (g/ml) ML Lab File ID: S27823.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	27	U R _L
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

000562



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FORM 1 SV-2

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0962602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-018

Sample wt/vol: 940 (g/ml) ML Lab File ID: S27823.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2	19.42	3	J _T
2.	Unknown CnH2n+2	20.11	7	J _T
3.	Unknown CnH2n+2	20.78	11	J _T
4.	Unknown CnH2n+2	21.43	11	J _T
5.	Unknown CnH2n+2	22.05	11	J _T
6.	Unknown CnH2n+2	22.65	12	J _T
7.	Unknown CnH2n+2	23.23	10	J _T

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1062602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-019

Sample wt/vol: 940.0 (g/ml) ML Lab File ID: S27824.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	UJL
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	UJL
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	UJL
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	UJL
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	UJL
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	27	UJL
51-28-5	2,4-Dinitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

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000575



NYSDOH 10142

NJDEP 73015

FORM I SV-1

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1062602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-019

Sample wt/vol: 940.0 (g/ml) ML Lab File ID: S27824.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	27	U
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1062602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-019

Sample wt/vol: 940 (g/ml) ML Lab File ID: S27824.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2	20.78	3	J _T
2.	Unknown CnH2n+2	21.43	3	J _T
3. 000112-95-8	Eicosane	22.05	3	JN _T
4.	Unknown CnH2n+2	22.65	2	J _T

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-002

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27803.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	U _{JL}
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U _{JL}
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U _{JL}
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U _{JL}
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U _{JL}
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	26	U _{JL}
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

000373

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-002

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27803.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U _{RL}
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	26	U _{JL}
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	U _{JL}
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

000374

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-002

Sample wt/vol: 950 (g/ml) ML Lab File ID: S27803.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1262602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-003

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27804.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	U Rs
95-57-8	2-Chlorophenol	11	U Rs
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	UJL
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U Rs
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	UJL
106-44-5	4-Methylphenol	11	U Rs
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U Rs
105-67-9	2,4-Dimethylphenol	11	U Rs
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U Rs
120-82-1	1,2,4-Trichlorobenzene	11	UJL
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U Rs
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U Rs
95-95-4	2,4,5-Trichlorophenol	11	U Rs
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	26	UJc
51-28-5	2,4-Dinitrophenol	26	U Rs
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

000380

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1262602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-003

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27804.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u>	Q
100-02-7	4-Nitrophenol	26	U <u>Rs</u>
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	26	<u>U</u> U <u>Jc</u>
534-52-1	4,6-Dinitro-2-methylphenol	26	U <u>Rs</u>
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U <u>Rs</u>
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	<u>U</u> U <u>Jc</u>
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

000381



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FORM 1 SV 2

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

3/90

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1262602

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
Matrix: (soil/water) WATER Lab Sample ID: 213350-003
Sample wt/vol: 950 (g/ml) ML Lab File ID: S27804.D
Level: (low/med) LOW Date Received: 6/28/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1362602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-004

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S27805.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	UJL
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	UJL
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	UJL
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJL
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	UJL
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	UJL
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1362602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-004

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S27805.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U RL
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	UJL
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	UJL
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

000405



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FORM 1 SV-2

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1362602

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
 Matrix: (soil/water) WATER Lab Sample ID: 213350-004
 Sample wt/vol: 970 (g/ml) ML Lab File ID: S27805.D
 Level: (low/med) LOW Date Received: 6/28/02
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 6 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000105-60-2	Caprolactam	10.06	19	JN _T
2.	Unknown C _n H _{2n} +2	20.80	3	J _T
3.	Unknown C _n H _{2n} +2	21.44	4	J _T
4.	Unknown C _n H _{2n} +2	22.06	3	J _T
5.	Unknown C _n H _{2n} +2	22.67	4	J _T
6.	Unknown	23.24	3	J _T

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1462602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: SAS No.: SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-005

Sample wt/vol: 980.0 (g/ml) ML Lab File ID: S27806.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	UJL
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	UJL
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	UJL
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJL
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	UJL
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	UJL
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

000417



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FORM 1 SV-1

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1462602

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
 Matrix: (soil/water) WATER Lab Sample ID: 213350-005
 Sample wt/vol: 980.0 (g/ml) ML Lab File ID: S27806.D
 Level: (low/med) LOW Date Received: 6/28/02
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U R _L
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U J _c
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U J _c
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

C00418



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FORM 1 SV-2

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
 315 Fullerton Avenue
 Newburgh, NY 12550
 Tel (845) 562-0890
 Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1462602

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
Matrix: (soil/water) WATER Lab Sample ID: 213350-005
Sample wt/vol: 980 (g/ml) ML Lab File ID: S27806.D
Level: (low/med) LOW Date Received: 6/28/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1562602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-006

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27807.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	UJL
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	UJL
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	UJL
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	UJL
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	UJL
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	26	UJL
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1562602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-006

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27807.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	UJ_m ^{R_L}
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	26	UJ _c
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U ^{R_m}
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	UJ _c
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1562602

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
Matrix: (soil/water) WATER Lab Sample ID: 213350-006
Sample wt/vol: 950 (g/ml) ML Lab File ID: S27807.D
Level: (low/med) LOW Date Received: 6/28/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1662602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-007

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S27808.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	UJL
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	UJL
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	UJL
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJL
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	UJL
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	UJL
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

000431



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FORM I SV-1

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1662602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-007

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S27808.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U R _L
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	UJ _C
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	UJ _C
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1662602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-007

Sample wt/vol: 970 (g/ml) ML Lab File ID: S27808.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	9.61	4	J _T
2.	Unknown	9.88	4	J _T
3.	Unknown	9.92	4	J _T
4.	Unknown	10.00	3	J _T
5.	Unknown	10.11	3	J _T
6.	Unknown	10.20	8	J _T
7.	Unknown	20.12	2	J _T
8.	Unknown	20.79	4	J _T
9.	Unknown	21.44	3	J _T
10.	Unknown	22.06	3	J _T

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1762602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-001

Sample wt/vol: 930.0 (g/ml) ML Lab File ID: S27802.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	UJL
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	UJL
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	UJL
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	UJL
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	UJL
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	27	UJc
51-28-5	2,4-Dinitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1762602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-001

Sample wt/vol: 930.0 (g/ml) ML Lab File ID: S27802.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	27	U R _L
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	27	U J _C
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U J _C
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	4	J _Q
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

000358



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FORM 1 SV-2

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1762602

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
 Matrix: (soil/water) WATER Lab Sample ID: 213350-001
 Sample wt/vol: 930 (g/ml) ML Lab File ID: S27802.D
 Level: (low/med) LOW Date Received: 6/28/02
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	19.29	13	J _T
2. 000921-47-1	Hexane, 2,3,4-trimethyl-	19.43	2	JN _T
3. 000629-78-7	Heptadecane	20.13	3	JN _T
4.	Unknown C _n H _{2n} +2	20.79	4	J _T
5.	Unknown C _n H _{2n} +2	21.45	4	J _T
6. 000085-60-9	Phenol, 4,4'-butylidenebis[2-(1,1-	21.95	36	JN _T
7.	Unknown C _n H _{2n} +2	22.06	4	J _T
8. 000000-00-0	4,4-Dimethylcyclooctene	22.66	3	JN _T

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1862602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-008

Sample wt/vol: 980.0 (g/ml) ML Lab File ID: S27809.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	UJL
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	UJL
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	UJL
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJL
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	UJL
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	UJc
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

000448



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FORM 1 SV-1

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1862602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-008

Sample wt/vol: 980.0 (g/ml) ML Lab File ID: S27809.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U _{RL}
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U _{TC}
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U _{TC}
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J _Q
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

000449

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1862602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-008

Sample wt/vol: 980 (g/ml) ML Lab File ID: S27809.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 6 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2O	17.86	10	J _T
2.	Unknown	19.42	13	J _T
3.	Unknown CnH2n	20.12	2	J _T
4.	Unknown CnH2n+2	20.79	10	J _T
5.	Unknown CnH2n+2	21.44	4	J _T
6.	Unknown	22.06	2	J _T

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1962602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-010

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27811.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/2/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	UJL
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	UJL
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	UJL
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	UJL
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	UJL
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	26	UJL
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

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FORM I SV-1

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

000474

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1962602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-010

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27811.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/2/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	26	U R _L
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	26	U J _C
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	U J _C
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	J _C
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

000475



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FORM LSV-2

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1962602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-010

Sample wt/vol: 950 (g/ml) ML Lab File ID: S27811.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/2/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	19.42	6	J _T
2.	C ₉ H ₂₀ isomer	20.78	3	J _T
3.	Unknown C _n H _{2n+2}	21.44	3	J _T
4.	Unknown	22.06	3	J _T

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-2062602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-011

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S27829.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U _L
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U _L
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U _L
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U _L
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U _L
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U _L
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

00486



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FORM 1 SV-1

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2062602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-011

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S27829.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U RL
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-2062602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-011

Sample wt/vol: 970 (g/ml) ML Lab File ID: S27829.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	19.42	4	JT
2.	Unknown C _n H _{2n+2}	20.11	2	JT
3.	Unknown C _n H _{2n+2}	20.78	4	JT
4.	Unknown C _n H _{2n+2}	21.42	5	JT
5.	Unknown C _n H _{2n+2}	22.05	5	JT
6.	Unknown C _n H _{2n+2}	22.65	4	JT
7.	Unknown	23.23	3	JT

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-012

Sample wt/vol: 960.0 (g/ml) ML Lab File ID: S27827.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	40	U Rs
95-57-8	2-Chlorophenol	40	U Rs
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	UJL
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	40	U Rs
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	UJL
106-44-5	4-Methylphenol	40	U Rs
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	40	U Rs
105-67-9	2,4-Dimethylphenol	40	U Rs
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	40	U Rs
120-82-1	1,2,4-Trichlorobenzene	10	UJL
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	40	U Rs
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	40	U Rs
95-95-4	2,4,5-Trichlorophenol	40	U Rs
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	UJc
51-28-5	2,4-Dinitrophenol	26	U Rs
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-012

Sample wt/vol: 960.0 (g/ml) ML Lab File ID: S27827.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U <u>Rs</u> , <u>RL</u>
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U <u>Rs</u>
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U <u>Rs</u>
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-2162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-012

Sample wt/vol: 960 (g/ml) ML Lab File ID: S27827.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	19.42	14	J _T

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-12162602

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
 Matrix: (soil/water) WATER Lab Sample ID: 213350-013
 Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27828.D
 Level: (low/med) LOW Date Received: 6/28/02
 % Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	U _{JL}
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U _{JL}
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U _{JL}
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U _{JL}
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U _{JL}
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	26	U _{JL}
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-12162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-013

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27828.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U <u>RL</u>
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

000517

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-12162602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-013

Sample wt/vol: 950 (g/ml) ML Lab File ID: S27828.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2	19.41	3	J _T
2. 000112-95-8	Eicosane	20.77	3	JN _T
3.	Unknown CnH2n+2	21.43	3	J _T
4. 000112-95-8	Eicosane Unknown CnH2n+2 m	22.05	3	JM J _T
5.	Unknown CnH2n+2	22.64	4	J _T

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-10162602 *noted*

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
 Matrix: (soil/water) WATER Lab Sample ID: 213350-009
 Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27810.D
 Level: (low/med) LOW Date Received: 6/28/02
 % Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	UJL
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	UJL
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	UJL
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	UJL
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	UJL
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	26	UJL
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

000462



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FORM I SV-1

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-18162602

7/26/02

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350
 Matrix: (soil/water) WATER Lab Sample ID: 213350-009
 Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S27810.D
 Level: (low/med) LOW Date Received: 6/28/02
 % Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U RL
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	26	U Jc
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	U Jc
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-16162602

Aug 26/02

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-009

Sample wt/vol: 950 (g/ml) ML Lab File ID: S27810.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/16/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	19.42	5	J _T
2.	Unknown	20.79	2	J _T
3.	Unknown C _n H _{2n+2}	21.44	2	J _T
4.	Unknown C _n H _{2n}	22.06	2	J _T
5.	C ₉ H ₂₀ isomer	22.66	2	J _T

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-PW-62602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-014

Sample wt/vol: 930.0 (g/ml) ML Lab File ID: S27820.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	41	U Rs
95-57-8	2-Chlorophenol	41	U Rs
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	UJL
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	41	U Rs
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	UJL
106-44-5	4-Methylphenol	41	U Rs
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	41	U Rs
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	41	U Rs
120-82-1	1,2,4-Trichlorobenzene	11	UJL
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	41	U Rs
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	41	U Rs
95-95-4	2,4,5-Trichlorophenol	41	U Rs
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	27	UJc
51-28-5	2,4-Dinitrophenol	27	U Rs
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

000528



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FORM 1 SV-1

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FB-PW-62602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-014

Sample wt/vol: 930.0 (g/ml) ML Lab File ID: S27820.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	27	U <u>Rs</u>
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U <u>Rs</u>
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U <u>Rs</u>
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

RL

000529



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FORM SV-2

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB-PW-62602

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 213350

Matrix: (soil/water) WATER Lab Sample ID: 213350-014

Sample wt/vol: 930 (g/ml) ML Lab File ID: S27820.D

Level: (low/med) LOW Date Received: 6/28/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/3/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/17/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB SITE 6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-0362602
Date Sampled.....: 06/26/2002
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 213350-16
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/25/02	rnc
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	69.0 Jm	B	31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	3.6 Jm	B	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	153 Jm	B	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	68700	U	51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	2250 Jm	B	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	2.9 UJm	B	2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	20300	U	15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	425	U	1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	29.6 Jm	B	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	7230 Jp	B	35.4	500	1	ug/L		07/31/02	mad
	Silver (Ag)	1.6 UJm	B	1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	75600	U	33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB SITE 6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-0862602
Date Sampled.....: 06/26/2002
Time Sampled.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID: 213350-17
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/25/02	rnc
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	202 Jm	M	31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	67.7 Jm	M	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	138000		51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	3020 Jm	M	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	2.9 UJm	U	2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	45900		15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	1140		1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	4570 Jp	E	35.4	500	1	ug/L		07/31/02	mad
	Silver (Ag)	1.6 UJm	U	1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	64400		33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

Job Number: 213350

LABORATORY TEST RESULTS

Date:08/26/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB SITE 6

ATTN: Jeff Dehovan

Customer Sample ID: 6MU-0962602

Date Sampled.....: 06/26/2002

Time Sampled.....: 12:30

Sample Matrix.....: Water

Laboratory Sample ID: 213350-18

Date Received.....: 06/28/2002

Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L	07/29/02	hjq
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L	07/08/02	cr
EPA 200.7	Metals Analysis (ICP)								
	Aluminum (Al)	175 Jm	M	31.1	200	1	ug/L	07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L	07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L	07/31/02	mad
	Barium (Ba)	98.4 Jm	M	0.66	200	1	ug/L	07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L	07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L	07/31/02	mad
	Calcium (Ca)	74100	U	51.7	500	1	ug/L	07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L	07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L	07/31/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L	07/31/02	mad
	Iron (Fe)	310 Jm	M	6.6	60.0	1	ug/L	07/31/02	mad
	Lead (Pb)	2.9 UJm	M	2.9	5.0	1	ug/L	07/31/02	mad
	Magnesium (Mg)	22300	U	15.1	500	1	ug/L	07/31/02	mad
	Manganese (Mn)	66.9	U	1.9	10.0	1	ug/L	07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L	07/31/02	mad
	Potassium (K)	9620 Jp	M	35.4	500	1	ug/L	07/31/02	mad
	Silver (Ag)	1.6 UJm	M	1.6	10.0	1	ug/L	07/31/02	mad
	Sodium (Na)	77800	U	33.4	500	1	ug/L	07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L	07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L	07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L	07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB SITE 6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-1062602
Date Sampled.....: 06/26/2002
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 213350-19
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/29/02	h jg
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	1030 Jm	U	31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	42.1 Jm	U	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	48100	U	51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	0.88 Jm	U	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	1770 Jm	U	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	2.9 Jm	U	2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	12800	U	15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	235	U	1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	1880 Jp	U	35.4	500	1	ug/L		07/31/02	mad
	Silver (Ag)	1.6 Jm	U	1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	5320	U	33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB SITE 6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-1162602
Date Sampled.....: 06/26/2002
Time Sampled.....: 07:30
Sample Matrix.....: Water

Laboratory Sample ID: 213350-2
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/25/02	rnc
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	5380 Jm	M	31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	129 Jm	B	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	175000		51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	5.9 Jm	B	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	5.2	B	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	10.2 Jg	B	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	8180 Jm	B	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	6.0 Jg	M	2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	50300		15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	1120		1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	8960 Jp	E	70.8	1000	2	ug/L		07/31/02	mad
	Silver (Ag)	1.6 UJm	M	1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	23500		33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	9.1	B	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	23.4 Jg		17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Date: 08/26/2002

Job Number: 213350

ATIN: Jeff Donovan

PROJECT: STRATTON ANGE SITE 6

CUSTOMER: Aneptek Corporation

Customer Sample ID: 6MW-1262602
Date Sampled.....: 06/26/2002
Time Sampled.....: 07:45
Sample Matrix.....: Water

Laboratory Sample ID: 213350-3
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/25/02	PMC
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/08/02	CF
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	113 Jm	B	31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	80.3 Jm	B	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	173000	U	51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	3.1 JQ	B	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	71.9 Jm	N	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	2.9 UJg	U	2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	58500	U	15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	2600	U	1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	4690 Jp	E	35.4	500	1	ug/L		07/31/02	mad
	Silver (Ag)	1.6 UJm	U	1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	6410	U	33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

CUSTOMER: Aneprek Corporation

PROJECT: STRATTON ANGB SITE 6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-1362602
Date Sampled: 06/26/2002
Time Sampled: 08:00
Sample Matrix: Water

Laboratory Sample ID: 213350-4
Date Received: 06/28/2002
Time Received: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L	07/25/02	rmc
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L	07/08/02	cr
EPA 200.7	Metals Analysis (ICP)								
	Aluminum (Al)	109 Jm	B	31.1	200	1	ug/L	07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L	07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L	07/31/02	mad
	Barium (Ba)	121 Jm	B	0.66	200	1	ug/L	07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L	07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L	07/31/02	mad
	Calcium (Ca)	107000	U	51.7	500	1	ug/L	07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L	07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L	07/31/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L	07/31/02	mad
	Iron (Fe)	124 Jm	B	6.6	60.0	1	ug/L	07/31/02	mad
	Lead (Pb)	2.9 UJm	U	2.9	5.0	1	ug/L	07/31/02	mad
	Magnesium (Mg)	32700	U	15.1	500	1	ug/L	07/31/02	mad
	Manganese (Mn)	1640	U	1.9	10.0	1	ug/L	07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L	07/31/02	mad
	Potassium (K)	4520 Jp	B	35.4	500	1	ug/L	07/31/02	mad
	Silver (Ag)	1.6 UJm	U	1.6	10.0	1	ug/L	07/31/02	mad
	Sodium (Na)	19300	U	33.4	500	1	ug/L	07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L	07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L	07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L	07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

CUSTOMER: Adeptek Corporation

PROJECT: STRATTON ANGB SITE 6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-1462602
Date Sampled.....: 06/26/2002
Time Sampled.....: 08:15
Sample Matrix.....: Water

Laboratory Sample ID: 213350-5
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/25/02	rnc
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	764 Jm	U	31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	84.9 Jm	U	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	29200	U	51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	1020 Jm	U	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	2.9 UJm	U	2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	9960	U	15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	269	U	1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	5090 Jp	U	35.4	500	1	ug/L		07/31/02	mad
	Silver (Ag)	1.6 UJm	U	1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	93800	U	33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

ATTN: Jeff Donovan

PROJECT: STRATTON ANGB SITE 6

Customer Sample ID: 6MM-1562602
Date Sampled: 06/26/2002
Time Sampled: 08:30
Sample Matrix: Water

Laboratory Sample ID: 213350-6
Date Received: 06/28/2002
Time Received: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/25/02	PMC
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/08/02	CR
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	422 Jm	N	31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3 UJb		5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	2.6 UJb		2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	66.5 Jm	N	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	266000	U	51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	581 Jm	N	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	2.9 UJb		2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	63900	U	15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	88.0	U	1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	9360 Jp	N	70.8	1000	2.000	ug/L		07/31/02	mad
	Silver (Ag)	1.6 UJb		1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	100000	U	33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATION ANGB SITE 6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-1662602
Date Sampled.....: 06/26/2002
Time Sampled.....: 09:00
Sample Matrix.....: Water

Laboratory Sample ID: 213350-7
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/25/02	rnc
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	272 Jm	N	31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	168 Jm	N	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	74600	U	51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	354 Jm	N	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	2.9 UJg	U	2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	25000	U	15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	1150	U	1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	9530 Jp	N	35.4	500	1	ug/L		07/31/02	mad
	Silver (Ag)	1.6 UJm	U	1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	23300	U	33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATION ANGB SITE 6

ATTN: Jeff Dohovan

Customer Sample ID: 6MW-1762602
Date Sampled.....: 06/26/2002
Time Sampled.....: 07:15
Sample Matrix.....: Water

Laboratory Sample ID: 213350-1
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	W	2.0	5.0	1	1	07/25/02	rnc
EPA 245.1	Mercury (Hg)	0.20	U	U	0.20	0.20	1	1	07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	7220 Jm		N	31.1	200	1	1	07/31/02	mad
	Antimony (Sb)	13.4		B	5.3	60.0	1	1	07/31/02	mad
	Arsenic (As)	6.8		B	2.6	10.0	1	1	07/31/02	mad
	Barium (Ba)	377 Jm		N	0.66	200	1	1	07/31/02	mad
	Beryllium (Be)	0.31 Jm		B	0.23	5.0	1	1	07/31/02	mad
	Cadmium (Cd)	0.48		U	0.48	5.0	1	1	07/31/02	mad
	Calcium (Ca)	61700			51.7	500	1	1	07/31/02	mad
	Chromium (Cr)	10.1 Jm		N	0.83	10.0	1	1	07/31/02	mad
	Cobalt (Co)	6.9		B	2.5	50.0	1	1	07/31/02	mad
	Copper (Cu)	18.1 Jm		B	6.9	25.0	1	1	07/31/02	mad
	Iron (Fe)	13300 Jm		N	6.6	60.0	1	1	07/31/02	mad
	Lead (Pb)	7.2 Jm		N	2.9	5.0	1	1	07/31/02	mad
	Magnesium (Mg)	28900			15.1	500	1	1	07/31/02	mad
	Manganese (Mn)	462			1.9	10.0	1	1	07/31/02	mad
	Nickel (Ni)	21.7 Jm		N Jm	15.2	40.0	1	1	07/31/02	mad
	Potassium (K)	17800 Jm		E	70.8	1000	2	1	07/31/02	mad
	Silver (Ag)	1.6 Jm		N Jm	1.6	10.0	1	1	07/31/02	mad
	Sodium (Na)	110000		U	33.4	500	1	1	07/31/02	mad
	Thallium (Tl)	3.6		U	3.6	10.0	1	1	07/31/02	mad
	Vanadium (V)	12.1		B	3.7	50.0	1	1	07/31/02	mad
	Zinc (Zn)	39.8			17.8	20.0	1	1	07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

ATTN: Jeff Donovan

PROJECT: STRATTON ANGB SITE 6

CUSTOMER: Anepetek Corporation
 Customer Sample ID: 6MW-1862602
 Date Sampled: 06/26/2002
 Time Sampled: 09:15
 Sample Matrix: Water

Laboratory Sample ID: 213350-8
 Date Received: 06/28/2002
 Time Received: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/25/02	rmc
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	73.7 Jm	B	31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	145 Jm	B	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	84200	U	51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	107 Jm	B	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	2.9 UJg	B	2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	22600	U	15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	2710	U	1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	12900 Jp	B	70.8	1000	2.000	ug/L		07/31/02	mad
	Silver (Ag)	1.6 UJm	B	1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	79300	U	33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

ATTN: Jeff Donovan

PROJECT: STRATTON ANGB SITE 6

Customer Sample ID: 6MW-1962602
Date Sampled.....: 06/26/2002
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 213350-10
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L	07/25/02	PMC
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L	07/08/02	CR
EPA 200.7	Metals Analysis (ICP)								
	Aluminum (Al)	449 Jm	U	31.1	200	1	ug/L	07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L	07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L	07/31/02	mad
	Barium (Ba)	493 Jm	U	0.66	200	1	ug/L	07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L	07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L	07/31/02	mad
	Calcium (Ca)	50800	U	51.7	500	1	ug/L	07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L	07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L	07/31/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L	07/31/02	mad
	Iron (Fe)	654 Jm	U	6.6	60.0	1	ug/L	07/31/02	mad
	Lead (Pb)	2.9 UJg	U	15.1	5.0	1	ug/L	07/31/02	mad
	Magnesium (Mg)	20900	U	15.1	500	1	ug/L	07/31/02	mad
	Manganese (Mn)	244	U	1.9	10.0	1	ug/L	07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L	07/31/02	mad
	Potassium (K)	11700 Jp	U	70.8	1000	2.000	ug/L	07/31/02	mad
	Silver (Ag)	1.6 UJm	U	1.6	10.0	1	ug/L	07/31/02	mad
	Sodium (Na)	162000	U	33.4	500	1	ug/L	07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L	07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L	07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L	07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

ATTN: Jeff Donovan

PROJECT: STRATTON ANGB SITE 6

Customer Sample ID: 6MW-2062602
Date Sampled.....: 06/26/2002
Time Sampled.....: 10:15
Sample Matrix.....: Water

Laboratory Sample ID: 213350-11
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U		5.0	1	ug/L		07/25/02	rnc
EPA 245.1	Mercury (Hg)	0.20	U		0.20	1	ug/L		07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	248 Jm			200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3	U	31.1	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	224 Jm			200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	90800		51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	6.9 Jm		6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	219 Jm			60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	2.9 UJm		2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	38000		15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	694		1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	9920 Jp		70.8	1000	2.000	ug/L		07/31/02	mad
	Silver (Ag)	1.6 UJm		1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	82700		33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATION ANGB SITE 6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-2162602
Date Sampled.....: 06/26/2002
Time Sampled.....: 10:30
Sample Matrix.....: Water

Laboratory Sample ID: 213350-12
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/25/02	rmc
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	3040 Jm		31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	4.8 JQ	B	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	188 Jm	B	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	157000		51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	2.8 Jm	B	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	7.0	B	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	10.8 JQ	B	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	5960 Jm	B	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	4.9 JQ	B	2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	44200		15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	1230		1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	16.6 JQ	B	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	9050 Jp	E	70.8	1000	2.000	ug/L		07/31/02	mad
	Silver (Ag)	1.6 UJm	B	1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	36900		33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	5.5 JQ	B	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	23.2 JQ		17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

CUSTOMER: Aneptek Corporation

PROJECT: SIRAION ANGB SITE 6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-12162602
Date Sampled.....: 06/26/2002
Time Sampled.....: 10:45
Sample Matrix.....: Water

Laboratory Sample ID: 213350-13
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/25/02	rnc
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	2840 Jm	N	31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	4.7 JQ	B	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	178 Jm	B	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	148000		51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	3.0 Jm	B	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	8.0	B	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	10.8 JQ	B	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	5800 Jm	N	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	7.1 JQ		2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	41500		15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	1280		1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	17.3 JQ	B	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	9680 Jp	B	35.4	500	1	ug/L		07/31/02	mad
	Silver (Ag)	1.9 Um	B	1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	34200		33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	5.4 JQ	B	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	26.2 JQ		17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/28/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGE SITE 6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-18162602
Date Sampled.....: 06/26/2002
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 213350-9
Date Received.....: 06/28/2002
Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U		5.0	1	ug/L		07/25/02	rnc
EPA 245.1	Mercury (Hg)	0.20	U		0.20	1	ug/L		07/08/02	cr
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	815 Jm JF	N	31.1	200	1	ug/L		07/31/02	mad
	Antimony (Sb)	11.0	B	5.3	60.0	1	ug/L		07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		07/31/02	mad
	Barium (Ba)	185 Jm	B	0.66	200	1	ug/L		07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/31/02	mad
	Calcium (Ca)	95300	U	51.7	500	1	ug/L		07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		07/31/02	mad
	Copper (Cu)	9.4 Jm JF	B	6.9	25.0	1	ug/L		07/31/02	mad
	Iron (Fe)	1450 Jm JF	N	6.6	60.0	1	ug/L		07/31/02	mad
	Lead (Pb)	2.9 UJg	U	2.9	5.0	1	ug/L		07/31/02	mad
	Magnesium (Mg)	28000	U	15.1	500	1	ug/L		07/31/02	mad
	Manganese (Mn)	3120	U	1.9	10.0	1	ug/L		07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/31/02	mad
	Potassium (K)	14500 Jp	U	70.8	1000	2.000	ug/L		07/31/02	mad
	Silver (Ag)	1.6 UJm	B	1.6	10.0	1	ug/L		07/31/02	mad
	Sodium (Na)	92500	U	33.4	500	1	ug/L		07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/31/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 213350

Date: 08/26/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB SITE 6

ATTN: Jeff Donovan

Customer Sample ID: FB-PW-62602

Date Sampled.....: 06/26/2002

Time Sampled.....: 16:00

Sample Matrix.....: Water

Laboratory Sample ID: 213350-14

Date Received.....: 06/28/2002

Time Received.....: 12:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	IDL	RL	DILUTION	UNITS	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U		5.0	1	ug/L	07/25/02	rnc
EPA 245.1	Mercury (Hg)	0.20	U		0.20	1	ug/L	07/08/02	cr
EPA 200.7	Metals Analysis (ICP)								
	Aluminum (Al)	31.1	U	31.1	200	1	ug/L	07/31/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L	07/31/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L	07/31/02	mad
	Barium (Ba)	18.8 Jm	U	0.66	200	1	ug/L	07/31/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L	07/31/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L	07/31/02	mad
	Calcium (Ca)	45300	U	51.7	500	1	ug/L	07/31/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L	07/31/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L	07/31/02	mad
	Copper (Cu)	141 Jm	U	6.9	25.0	1	ug/L	07/31/02	mad
	Iron (Fe)	6.6	U	6.6	60.0	1	ug/L	07/31/02	mad
	Lead (Pb)	2.9 Ufg	U	2.9	5.0	1	ug/L	07/31/02	mad
	Magnesium (Mg)	11500	U	15.1	500	1	ug/L	07/31/02	mad
	Manganese (Mn)	1.9	U	1.9	10.0	1	ug/L	07/31/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L	07/31/02	mad
	Potassium (K)	1980 Jp	U	35.4	500	1	ug/L	07/31/02	mad
	Silver (Ag)	1.6 UJm	U	1.6	10.0	1	ug/L	07/31/02	mad
	Sodium (Na)	20700	U	33.4	500	1	ug/L	07/31/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L	07/31/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L	07/31/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L	07/31/02	mad

* In Description = Dry Wgt.

GROUNDWATER SAMPLING ANALYTICAL RESULTS
AUGUST, 2002

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0381302

Lab Name: STL NewburghContract: 01012.01Lab Code: 10142

Case No.: _____

SAS No.: _____

SDG No.: 215065Matrix: (soil/water) WATERLab Sample ID: 215067-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: W8380.DLevel: (low/med) LOWDate Received: 8/16/2002

% Moisture: not dec. _____

Date Analyzed: 8/21/2002GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	6.5	
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	46	
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

STL Newburgh is a part of Severn Trent Laboratories, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8380.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8380.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0881402

Lab Name: STL Newburgh Contract: 01012.01Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065Matrix: (soil/water) WATER Lab Sample ID: 215065-001Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8387.DLevel: (low/med) LOW Date Received: 8/16/2002% Moisture: not dec. _____ Date Analyzed: 8/21/2002GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0881402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8387.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0881402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8387.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0981402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8388.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	12	
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.7	J ₀
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	16	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-0981402

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
 Matrix: (soil/water) WATER Lab Sample ID: 215065-002
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8388.D
 Level: (low/med) LOW Date Received: 8/16/2002
 % Moisture: not dec. _____ Date Analyzed: 8/21/2002
 GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0981402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8388.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: SAS No.: SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8389.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. Date Analyzed: 8/21/2002

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

FORM 1/VOA

3/90

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8389.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U



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FORM 1 VOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8389.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1181402

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
 Matrix: (soil/water) WATER Lab Sample ID: 215065-004
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8390.D
 Level: (low/med) LOW Date Received: 8/16/2002
 % Moisture: not dec. _____ Date Analyzed: 8/21/2002
 GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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SEVERN
TRENT
SERVICES

NYSDOH 10142

NJDEP 73015

FORM IVOA

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1181402

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
 Matrix: (soil/water) WATER Lab Sample ID: 215065-004
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8390.D
 Level: (low/med) LOW Date Received: 8/16/2002
 % Moisture: not dec. _____ Date Analyzed: 8/21/2002
 GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-004

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8390.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1281402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8391.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1281402

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
 Matrix: (soil/water) WATER Lab Sample ID: 215065-005
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8391.D
 Level: (low/med) LOW Date Received: 8/16/2002
 % Moisture: not dec. _____ Date Analyzed: 8/21/2002
 GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1281402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8391.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8381.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	98	
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	48	
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	570 530	E
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

FORM I VOA

3/90

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8381.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8381.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1481302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8382.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1481302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8382.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1481302

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
Matrix: (soil/water) WATER Lab Sample ID: 215067-003
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8382.D
Level: (low/med) LOW Date Received: 8/16/2002
% Moisture: not dec. _____ Date Analyzed: 8/21/2002
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1581302

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
 Matrix: (soil/water) WATER Lab Sample ID: 215067-004
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8383.D
 Level: (low/med) LOW Date Received: 8/16/2002
 % Moisture: not dec. _____ Date Analyzed: 8/21/2002
 GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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SEVERN
TRENT
SERVICES

NYSDOH 10142

NJDEP 73015

FORM IVOA

CTDOHS PH-0554

EPA NY049

PA 68-378

3/90
M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1581302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-004

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8383.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1581302

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
Matrix: (soil/water) WATER Lab Sample ID: 215067-004
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8383.D
Level: (low/med) LOW Date Received: 8/16/2002
% Moisture: not dec. _____ Date Analyzed: 8/21/2002
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1681302

Lab Name: STL Newburgh Contract: 01012.01Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065Matrix: (soil/water) WATER Lab Sample ID: 215067-005Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8384.DLevel: (low/med) LOW Date Received: 8/16/2002% Moisture: not dec. _____ Date Analyzed: 8/21/2002GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1681302

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
Matrix: (soil/water) WATER Lab Sample ID: 215067-005
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8384.D
Level: (low/med) LOW Date Received: 8/16/2002
% Moisture: not dec. _____ Date Analyzed: 8/21/2002
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1781302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8385.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1781302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8385.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1781302

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
Matrix: (soil/water) WATER Lab Sample ID: 215067-006
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8385.D
Level: (low/med) LOW Date Received: 8/16/2002
% Moisture: not dec. _____ Date Analyzed: 8/21/2002
GC Column: DB-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/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1881402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8396.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/22/2002

GC Column: DB-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
75-71-8	Dichlorodifluoromethane		1.0	U
74-87-3	Chloromethane		1.0	U
74-83-9	Bromomethane		1.0	U
75-01-4	Vinyl Chloride		1.0	U
75-00-3	Chloroethane		1.0	U
75-69-4	Trichlorofluoromethane		1.0	U
75-09-2	Methylene Chloride		1.0	U
75-35-4	1,1-Dichloroethene		1.0	U
75-34-4	1,1-Dichloroethane		1.0	U
590-20-7	2,2-Dichloropropane		1.0	U
156-60-5	trans-1,2-Dichloroethylene		1.0	U
540-59-0	cis-1,2-Dichloroethene		1.0	U
67-66-3	Chloroform		1.0	U
563-58-6	1,1-Dichloropropene		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
74-97-5	Bromochloromethane		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon Tetrachloride		1.0	U
74-95-3	Dibromomethane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
10061-01-5	cis-1,3-Dichloropropene		1.0	U
79-01-6	Trichloroethene		1.0	U
71-43-2	Benzene		1.0	U
142-28-9	1,3-Dichloropropane		1.0	U
124-48-1	Dibromochloromethane		1.0	U
10061-02-6	trans-1,3-Dichloropropene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
106-93-4	1,2-Dibromoethane		1.0	U
75-25-2	Bromoform		1.0	U
127-18-4	Tetrachloroethene		1.0	U
630-20-6	1,1,1,2-Tetrachloroethane		1.0	U
108-88-3	Toluene		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
100-42-5	Styrene		1.0	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		1.0	U
96-18-4	1,2,3-Trichloropropane		1.0	U

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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

3/90

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1881402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8396.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/22/2002

GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1881402

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
Matrix: (soil/water) WATER Lab Sample ID: 215065-006
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8396.D
Level: (low/med) LOW Date Received: 8/16/2002
% Moisture: not dec. _____ Date Analyzed: 8/22/2002
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1981402

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
 Matrix: (soil/water) WATER Lab Sample ID: 215065-007
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8397.D
 Level: (low/med) LOW Date Received: 8/16/2002
 % Moisture: not dec. _____ Date Analyzed: 8/22/2002
 GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

STL Newburgh is a part of Severn Trent Laboratories, Inc.



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
 315 Fullerton Avenue
 Newburgh, NY 12550
 Tel (845) 562-0890
 Fax (845) 562-0841

FORM 1 VOA

3/90

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1981402

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
 Matrix: (soil/water) WATER Lab Sample ID: 215065-007
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8397.D
 Level: (low/med) LOW Date Received: 8/16/2002
 % Moisture: not dec. _____ Date Analyzed: 8/22/2002
 GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1981402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8397.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/22/2002

GC Column: DB-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/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8398.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/22/2002

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	2.7	J ₉
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8398.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/22/2002

GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-2081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8398.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/22/2002

GC Column: DB-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/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-009

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8399.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/22/2002

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	71	
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	16	
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	300 290	E
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

SEVERN
TRENT
SERVICES

NYSDOH 10142

NJDEP 73015

FORM IVOA

CTDOHS'PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 662-0890
Fax (845) 662-0841

3/90

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-009

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8399.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/22/2002

GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-2181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-009

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8399.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/22/2002

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

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

CONCENTRATION UNITS:

Number TICs found: 0(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-13381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8386.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.2	1.0
540-59-0	cis-1,2-Dichloroethene	1.2 400	E
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	48	
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	740 740	530 E
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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FORM 1 VOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-13381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: SAS No.: SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8386.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. Date Analyzed: 8/21/2002

GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-13381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215067-007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8386.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/21/2002

GC Column: DB-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/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-20181402

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065
 Matrix: (soil/water) WATER Lab Sample ID: 215065-010
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8400.D
 Level: (low/med) LOW Date Received: 8/16/2002
 % Moisture: not dec. _____ Date Analyzed: 8/22/2002
 GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	4.1	J _Q
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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NYSDOH 10142

NJDEP 73015

FORM I VOA
CTDOHS PH-0554

EPA NY049

PA 68-378

3/90
M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-20181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-010

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8400.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/22/2002

GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-20181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-010

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8400.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/22/2002

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-81402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: SAS No.: SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-011

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8409.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. Date Analyzed: 8/23/2002

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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FORM I VOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-81402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-011

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8409.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/23/2002

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-81402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-011

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W8409.D

Level: (low/med) LOW Date Received: 8/16/2002

% Moisture: not dec. _____ Date Analyzed: 8/23/2002

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-001

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28278.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U _L
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U _L
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U R _c
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

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FORM I SV-1

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-001

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28278.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	UJL
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-001

Sample wt/vol: 970 (g/ml) ML Lab File ID: S28278.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0881402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-001

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28293.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U _L
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U _L
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U _L
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U _{Rc}
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

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NYSDOH 10142

NJDEP 73015

FORM 1 SV-1

CTDOHS PH-0554

EPA NY049

PA 66-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0881402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-001

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28293.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U _L
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0881402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: SAS No.: SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-001

Sample wt/vol: 970 (g/ml) ML Lab File ID: S28293.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2O	5.99	3	Jr

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0981402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-002

Sample wt/vol: 920.0 (g/ml) ML Lab File ID: S28294.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	UJL
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	UJL
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	UJL
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	27	U Rc
51-28-5	2,4-Dinitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

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FORM 1 SV-1

3/00

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-0981402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-002

Sample wt/vol: 920.0 (g/ml) ML Lab File ID: S28294.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	27	UJL
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-0981402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-002

Sample wt/vol: 920 (g/ml) ML Lab File ID: S28294.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-003

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28295.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	UJL
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	UJL
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJL
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U Rc
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

STL Newburgh is a part of Severn Trent Laboratories, Inc.



NYSDOH 10142

NJDEP 73015

FORM SV-1

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

3/90

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-003

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28295.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U _{TL}
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-003

Sample wt/vol: 970 (g/ml) ML Lab File ID: S28295.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: SAS No.: SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-004

Sample wt/vol: 965.0 (g/ml) ML Lab File ID: S28296.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: decanted:(Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U _{JL}
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U _{JL}
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U _{JL}
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U _{Rc}
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-004

Sample wt/vol: 965.0 (g/ml) ML Lab File ID: S28296.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U _L
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J _Q
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-004

Sample wt/vol: 965 (g/ml) ML Lab File ID: S28296.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000629-59-4	Tetradecane	11.97	3	JN _T
2. 000544-76-3	Hexadecane	14.07	6	JN _T
3. 000629-78-7	Heptadecane	15.03	12	JN _T
4. 000593-45-3	Octadecane	15.95	8	JN _T
5. 000629-92-5	Nonadecane	16.82	7	JN _T
6. 000112-95-8	Eicosane	17.65	5	JN _T
7.	Unknown C _n H _{2n+2}	18.44	3	J _T
8. 000112-95-8	Eicosane	19.21	2	JN _T

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1281402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-005

Sample wt/vol: 965.0 (g/ml) ML Lab File ID: S28297.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U _{JL}
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U _{JL}
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U _{JL}
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U _{Rc}
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1281402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-005

Sample wt/vol: 965.0 (g/ml) ML Lab File ID: S28297.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U _{JL}
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1281402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-005

Sample wt/vol: 965 (g/ml) ML Lab File ID: S28297.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6H4Br3N isomer	16.20	3	JT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-002

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28279.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U _{JL}
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U _{JL}
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U _{Re}
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-002

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28279.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U _{JL}
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1381302

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067
Matrix: (soil/water) WATER Lab Sample ID: 215067-002
Sample wt/vol: 970 (g/ml) ML Lab File ID: S28279.D
Level: (low/med) LOW Date Received: 08/16/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6H4Br3N isomer	16.20	5	J _T

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1481302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-003

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28280.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	UJL
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	UJL
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U Rc
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

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3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1481302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: SAS No.: SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-003

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28280.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U _{JL}
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1481302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-003

Sample wt/vol: 970 (g/ml) ML Lab File ID: S28280.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6H4Br3N isomer	16.20	5	J _T

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1581302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-004

Sample wt/vol: 900.0 (g/ml) ML Lab File ID: S28281.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	U _{JL}
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U _{JL}
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	28	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	28	U _{Rc}
51-28-5	2,4-Dinitrophenol	28	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

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CTDOHS PH-0554

EPA-NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1581302

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067
 Matrix: (soil/water) WATER Lab Sample ID: 215067-004
 Sample wt/vol: 900.0 (g/ml) ML Lab File ID: S28281.D
 Level: (low/med) LOW Date Received: 08/16/02
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	28	U _L
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	28	U
534-52-1	4,6-Dinitro-2-methylphenol	28	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J _Q
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1581302

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067
Matrix: (soil/water) WATER Lab Sample ID: 215067-004
Sample wt/vol: 900 (g/ml) ML Lab File ID: S28281.D
Level: (low/med) LOW Date Received: 08/16/02
% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1681302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-005

Sample wt/vol: 910.0 (g/ml) ML Lab File ID: S28282.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	U _L
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U _L
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	27	U _{Rc}
51-28-5	2,4-Dinitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

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FORM LSV-1

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NYSDOH 10142

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EPA NY049

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STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1681302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-005

Sample wt/vol: 910.0 (g/ml) ML Lab File ID: S28282.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	27	U _L
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1681302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-005

Sample wt/vol: 910 (g/ml) ML Lab File ID: S28282.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1781302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-006

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28283.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	UJL
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	UJL
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U Rc
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1781302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-006

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28283.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U _{JL}
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	4	J _Q
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1781302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-006

Sample wt/vol: 970 (g/ml) ML Lab File ID: S28283.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1881402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-006

Sample wt/vol: 965.0 (g/ml) ML Lab File ID: S28298.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U _{JL}
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U _{JL}
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U _{JL}
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U _{RL}
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1881402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-006

Sample wt/vol: 965.0 (g/ml) ML Lab File ID: S28298.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U.T.L
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1881402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-006

Sample wt/vol: 965 (g/ml) ML Lab File ID: S28298.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-1981402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-007

Sample wt/vol: 930.0 (g/ml) ML Lab File ID: S28299.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	U _{JL}
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U _{JL}
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U _{JL}
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	27	U _{Rc}
51-28-5	2,4-Dinitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-1981402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-007

Sample wt/vol: 930.0 (g/ml) ML Lab File ID: S28299.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	27	U _L
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-1981402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-007

Sample wt/vol: 930 (g/ml) ML Lab File ID: S28299.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6H4Br3N isomer	16.20	4	JT

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-008

Sample wt/vol: 940.0 (g/ml) ML Lab File ID: S28300.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	U _{JL}
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U _{JL}
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U _{JL}
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	27	U _{RC}
51-28-5	2,4-Dinitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-008

Sample wt/vol: 940.0 (g/ml) ML Lab File ID: S28300.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	27	UJL
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-2081402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-008

Sample wt/vol: 940 (g/ml) ML Lab File ID: S28300.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	16.20	6	JT

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-009

Sample wt/vol: 930.0 (g/ml) ML Lab File ID: S28301.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	U _{JL}
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U _{JL}
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U _{JL}
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	27	U _{Rc}
51-28-5	2,4-Dinitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

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NYSDOH 10142

NJDEP 73015

FORM LSV-1

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

3/90

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-2181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-009

Sample wt/vol: 930.0 (g/ml) ML Lab File ID: S28301.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	27	U _{TL}
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-2181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-009

Sample wt/vol: 930 (g/ml) ML Lab File ID: S28301.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-20181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-010

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28302.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U _{JL}
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U _{JL}
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U _{JL}
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U _{RC}
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-20181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-010

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: S28302.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U _L
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-20181402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215065

Matrix: (soil/water) WATER Lab Sample ID: 215065-010

Sample wt/vol: 970 (g/ml) ML Lab File ID: S28302.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	16.21	8	JT

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6MW-13381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-007

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S28284.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	11	U
108-95-2	Phenol	11	U _L
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U _L
95-50-1	1,2-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
67-72-1	Hexachloroethane	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	26	U _{Rc}
51-28-5	2,4-Dinitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

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FORM I SV-1

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPAN Y049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

6MW-13381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-007

Sample wt/vol: 950.0 (g/ml) ML Lab File ID: S28284.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	26	U _{TL}
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
62-75-9	N-Nitrosodimethylamine	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6MW-13381302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 215067

Matrix: (soil/water) WATER Lab Sample ID: 215067-007

Sample wt/vol: 950 (g/ml) ML Lab File ID: S28284.D

Level: (low/med) LOW Date Received: 08/16/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/20/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6H4Br3N isomer	16.20	5	JT

LABORATORY TEST RESULTS										
Job Number: 215067					Date: 10/03/2002					
CUSTOMER: Aneprek Corporation										
PROJECT: STRATTON ANGB SITE6										
ATTN: Jeff Donovan										
Laboratory Sample ID: 215067-1										
Date Received.....: 08/16/2002										
Time Received.....: 10:30										
Customer Sample ID: 6MW-0381302										
Date Sampled.....: 08/13/2002										
Time Sampled.....: 16:30										
Sample Matrix.....: Water										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	3.4 Jm	B	2.0	5.0	1	ug/L		09/11/02	hjh
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	65.3	B	31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	12.3	B	5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	6.1	B	2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	149	B	0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	64200	U	192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	1120	U	6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9 UJg	U	2.9	5.0	1	ug/L		09/12/02	mad
	Magnesium (Mg)	17700	U	15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	451	U	1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	6930 Jp	U	35.4	500	1	ug/L		09/12/02	mad
	Silver (Ag)	1.6 UJm	U	1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	88600	U	33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS									
Job Number: 215065					Date:09/30/2002				
CUSTOMER: Aneptek Corporation					PROJECT: STRATTON ANGB SITE#6				
ATTN: Jeff Donovan									
Customer Sample ID: 6MW-0881402									
Date Sampled.....: 08/14/2002									
Time Sampled.....: 08:00									
Sample Matrix.....: Water									
Laboratory Sample ID: 215065-1									
Date Received.....: 08/16/2002									
Time Received.....: 10:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE
EPA 270.2	Selenium (Se)	2.4 $\mu\text{g/L}$	B	2.0	5.0	1	ug/L		09/05/02
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		08/21/02
EPA 200.7	Metals Analysis (ICP)								
	Aluminum (Al)	198 $\mu\text{g/L}$	B	31.1	200	1	ug/L		09/12/02
	Antimony (Sb)	13.7	B	5.3	60.0	1	ug/L		09/12/02
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		09/12/02
	Barium (Ba)	68.8	B	0.66	200	1	ug/L		09/12/02
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		09/12/02
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		09/12/02
	Calcium (Ca)	116000	U	192	500	1	ug/L		09/12/02
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		09/12/02
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		09/12/02
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		09/12/02
	Iron (Fe)	3230	U	6.6	60.0	1	ug/L		09/12/02
	Lead (Pb)	2.9	U	2.9	5.0	1	ug/L		09/08/02
	Magnesium (Mg)	41100	U	15.1	500	1	ug/L		09/12/02
	Manganese (Mn)	784	U	1.9	10.0	1	ug/L		09/12/02
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		09/12/02
	Potassium (K)	5030 $\mu\text{g/L}$	U	35.4	500	1	ug/L		09/12/02
	Silver (Ag)	1.6 $\mu\text{g/L}$	U	1.6	10.0	1	ug/L		09/12/02
	Sodium (Na)	92400	U	33.4	500	1	ug/L		09/12/02
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		09/12/02
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		09/12/02
	Zinc (Zn)	34.5 $\mu\text{g/L}$	U	17.8	20.0	1	ug/L		09/12/02

* In Description = Dry Wgt.

Job Number: 215065

LABORATORY TEST RESULTS

Date:09/30/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGE SITE#6

ATTN: Jeff DOROVAN

Customer Sample ID: 6MM-0981402

Date Sampled.....: 08/14/2002

Time Sampled.....: 08:30

Sample Matrix.....: Water

Laboratory Sample ID: 215065-2

Date Received.....: 08/16/2002

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		09/05/02	h9
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		08/21/02	lms
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	306 Jc		31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	114	U	0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	95900	U	192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	672	U	6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9	U	2.9	5.0	1	ug/L		09/08/02	mad
	Magnesium (Mg)	29700		15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	91.7		1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	9520 Jp	U	70.8	1000	2.000	ug/L		09/12/02	mad
	Silver (Ag)	1.6 UJm	U	1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	82200	U	33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

Job Number: 215065

LABORATORY TEST RESULTS

Date: 09/30/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATION ANGB SITE#6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-1081402
Date Sampled.....: 08/14/2002
Time Sampled.....: 10:00
Sample Matrix.....: Water

Laboratory Sample ID: 215065-3
Date Received.....: 08/16/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U		2.0	5.0	1	ug/L		09/05/02	hlg
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		08/21/02	lms
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	1910			31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	5.3	U		5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	2.6	U		2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	63.5	B		0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U		0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U		0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	51000			192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	2.4	B		0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	2.5	U		2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U		6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	2510			6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9	U		2.9	5.0	1	ug/L		09/08/02	mad
	Magnesium (Mg)	14200			15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	57.9			1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U		15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	2280 Jp			35.4	500	1	ug/L		09/12/02	mad
	Silver (Ag)	1.6 U _m	U		1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	5880			33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U		3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U		3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	17.8	U		17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 215065

Date: 09/30/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGE SITE#6

ATTN: Jeff Dehovich

Customer Sample ID: 6MW-1181402
Date Sampled.....: 08/14/2002
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 215065-4
Date Received.....: 08/16/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0 UJ _Q	U	2.0	5.0	1	ug/L		09/05/02	h1g
EPA 245.1	Mercury (Hg)	0.26 J _Q		0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	37800		31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	26.8		2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	674		0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	2.7	B	0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	1.5	B	0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	206000		192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	55.7		0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	57.6		2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	107		6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	78000		6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	50.1		2.9	5.0	1	ug/L		09/08/02	mad
	Magnesium (Mg)	68400		15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	5150		1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	130		15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	16700 J _Q		70.8	1000	2.000	ug/L		09/12/02	mad
	Silver (Ag)	1.6 UJ _m	U	1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	22200		33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	66.7		3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	243		17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 215065

Date:09/30/2002

CUSTOMER: Anepetek Corporation

PROJECT: STRATION ANGB SITE#6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-1281402

Date Sampled.....: 08/14/2002

Time Sampled.....: 09:45

Sample Matrix.....: Water

Laboratory Sample ID: 215065-5

Date Received.....: 08/16/2002

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		09/05/02	h jg
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)									
	ALuminum (AL)	493		31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	72.8	B	0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	152000		192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	1.2 JG	B	0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	9.2	B	2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	972		6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9	U	2.9	5.0	1	ug/L		09/08/02	mad
	Magnesium (Mg)	53500		15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	3070		1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	3080 JP		35.4	500	1	ug/L		09/12/02	mad
	Silver (Ag)	1.6 UJm	U	1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	5490		33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

Job Number: 215067

LABORATORY TEST RESULTS

Date:10/03/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB SITE6

ATTN: Jeff Dohovan

Customer Sample ID: 6MW-1381302

Date Sampled.....: 08/13/2002

Time Sampled.....: 15:10

Sample Matrix.....: Water

Laboratory Sample ID: 215067-2

Date Received.....: 08/16/2002

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0 UJm	U	W	2.0	5.0	1	ug/L		09/11/02	hig
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	479 JF			31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	5.5 JQ	B		5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	2.6	U		2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	161	B		0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U		0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.64 JQ	B		0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	132000			192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	0.83	U		0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	3.6 JQ	B		2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U		6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	829 JF			6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9 UJg	U		2.9	5.0	1	ug/L		09/12/02	mad
	Magnesium (Mg)	35900			15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	1560			1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U		15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	4940 JF		F	35.4	500	1	ug/L		09/12/02	mad
	Silver (Ag)	1.6 UJm	U	M	1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	25600			33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U		3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U		3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	17.8	U	#	17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 215067

Date: 10/03/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB SITE6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-1481302

Date Sampled.....: 08/13/2002

Time Sampled.....: 15:30

Sample Matrix.....: Water

Laboratory Sample ID: 215067-3

Date Received.....: 08/16/2002

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNIT'S	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0 UJm	U	M	2.0	5.0	1	ug/L		09/11/02	hig
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	726			31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	5.3	U		5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	2.6	U		2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	163	U		0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U		0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U		0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	23600	U		192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	0.83	U		0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	3.5 JQ	U		2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U		6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	1280			6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9 UJg	U		2.9	5.0	1	ug/L		09/12/02	mad
	Magnesium (Mg)	6760			15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	908			1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U		15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	4780 Jp		F	35.4	500	1	ug/L		09/12/02	mad
	Silver (Ag)	1.6 UJm	U	M	1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	130000			33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U		3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U		3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	17.8	U	*	17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

Job Number: 215067

LABORATORY TEST RESULTS

Date: 10/03/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB SITE6

ATTN: Jeff Dorovan

Customer Sample ID: 6MW-1581302

Date Sampled.....: 08/13/2002

Time Sampled.....: 15:45

Sample Matrix.....: Water

Laboratory Sample ID: 215067-4

Date Received.....: 08/16/2002

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0 UJm	U	2.0	5.0	1	ug/L		09/11/02	hig
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	179	B	31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	84.8 Jc	B	0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	118000	U	192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	3.5 JQ	B	2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	421	U	6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9 UJg	U	2.9	5.0	1	ug/L		09/12/02	mad
	Magnesium (Mg)	33400	U	15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	1210	U	1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	9340 Jp	U	70.8	1000	2.000	ug/L		09/12/02	mad
	Silver (Ag)	1.6 UJm	U	1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	64700	U	33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

Job Number: 215067

LABORATORY TEST RESULTS

Date:10/03/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATION ANGB SITE6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-1681302

Date Sampled.....: 08/13/2002

Time Sampled.....: 16:00

Sample Matrix.....: Water

Laboratory Sample ID: 215067-5

Date Received.....: 08/16/2002

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0 UJm	U	N	2.0	5.0	1	ug/L		09/11/02	hig
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		08/22/02	Lms
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	1320			31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	10.2 JQ			5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	20.8			2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	237 JC			0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U		0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U		0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	92700			192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	0.83	U		0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	11.6	B		2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U		6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	2620			6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9 UJg	U		2.9	5.0	1	ug/L		09/12/02	mad
	Magnesium (Mg)	29600			15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	4510			1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	20.5 JQ	B		15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	9230 Jp			35.4	500	1	ug/L		09/12/02	mad
	Silver (Ag)	1.6 UJm	U		1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	40200			33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U		3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U		3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	28.4 JQ		*	17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

Job Number: 215067

LABORATORY TEST RESULTS

Date:10/03/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB SITE6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-1781302

Date Sampled.....: 08/13/2002

Time Sampled.....: 16:15

Sample Matrix.....: Water

Laboratory Sample ID: 215067-6

Date Received.....: 08/16/2002

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0 UJ _m	U	#	2.0	5.0	1	ug/L		09/11/02	hig
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	155	B		31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	11.5	B		5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	8.4	B		2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	344			0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U		0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U		0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	80600			192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	0.83	U		0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	3.3 JQ	B		2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U		6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	202			6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9 UJ _g	U		2.9	5.0	1	ug/L		09/12/02	mad
	Magnesium (Mg)	28400			15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	783			1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U		15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	9630 Jp			70.8	1000	2.000	ug/L		09/12/02	mad
	Silver (Ag)	1.6 UJ _m	U	#	1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	88000			33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U		3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U		3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	17.8	U	#	17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

Job Number: 215065

LABORATORY TEST RESULTS

Date:09/30/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATION ANGB SITE#6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-1881402

Date Sampled.....: 08/14/2002

Time Sampled.....: 07:45

Sample Matrix.....: Water

Laboratory Sample ID: 215065-6

Date Received.....: 08/16/2002

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		09/05/02	hjh
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	61.0 J _e	B J _e	31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	171	B	0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	92300	U	192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	3.4 J _e	B	2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	8.1 J _e	B	6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	233	U	6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9	U	2.9	5.0	1	ug/L		09/08/02	mad
	Magnesium (Mg)	24900	U	15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	5290	U	1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	11000 J _e	E	70.8	1000	2.000	ug/L		09/12/02	mad
	Silver (Ag)	1.6 U _{J_e}	H	1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	79000	U	33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 215065					Date:09/30/2002					
CUSTOMER: Aneptek Corporation										
PROJECT: STRATION ANGE SITE#6										
ATTN: Jeff Donovan										
Laboratory Sample ID: 215065-7										
Date Received.....: 08/16/2002										
Time Received.....: 10:30										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		09/05/02	h jg
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	1660		31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	494		0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	53700		192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	2.1	B	0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	2.8 JQ	B	2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	3940		6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9	U	2.9	5.0	1	ug/L		09/08/02	mad
	Magnesium (Mg)	21000		15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	378		1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	8750 Jf		70.8	1000	2.000	ug/L		09/12/02	mad
	Silver (Ag)	1.6 Jn	U	1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	141000		33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

Job Number: 215065

Date:09/30/2002

LABORATORY TEST RESULTS

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGE SITE#6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-2081402

Date Sampled.....: 08/14/2002

Time Sampled.....: 08:45

Sample Matrix.....: Water

Laboratory Sample ID: 215065-8

Date Received.....: 08/16/2002

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		09/05/02	h j g
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		08/22/02	l m s
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	629 Jf.		31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	6.7 JQ		5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	5.2 JQ		2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	204 JQ		0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	93900		192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	5.1		2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	1160 Jf.		6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9	U	2.9	5.0	1	ug/L		09/08/02	mad
	Magnesium (Mg)	37000		15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	1500		1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	9130 Jp.		70.8	1000	2.000	ug/L		09/12/02	mad
	Silver (Ag)	1.6 U _m		1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	72900		33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	28.0 JQ		17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 215065		Date:09/30/2002								
CUSTOMER: Aneptek Corporation		PROJECT: STRATION ANGE SITE#6								
		ATTN: Jeff Donovan								
Customer Sample ID: 6MW-2181402		Laboratory Sample ID: 215065-9								
Date Sampled.....: 08/14/2002		Date Received.....: 08/16/2002								
Time Sampled.....: 09:15		Time Received.....: 10:30								
Sample Matrix.....: Water										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.6 JQ	B		5.0	1	ug/L		09/05/02	h j g
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	3540		31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	151 JQ	B	0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	123000		192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	4.3	B	0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	5.5	B	2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	13.7 JQ	B	6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	6590		6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	6.3 JQ		2.9	5.0	1	ug/L		09/08/02	mad
	Magnesium (Mg)	34100		15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	645		1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	7490 JQ		35.4	500	1	ug/L		09/12/02	mad
	Silver (Ag)	1.6 JQ	U	1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	46100		33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	6.7 JQ	B	3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	58.2		17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 215067

Date: 10/03/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATION ANGB SITE6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-13381302
Date Sampled.....: 08/13/2002
Time Sampled.....: 15:15
Sample Matrix.....: Water

Laboratory Sample ID: 215067-7
Date Received.....: 08/16/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0 UJm	U	2.0	5.0	1	ug/L		09/11/02	hJg
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	1140 JF		31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	6.9 JQ	B	5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	3.1 JQ	B	2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	170	B	0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.85 JQ	B	0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	123000		192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	3.6 JQ	B	2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	1830 JF		6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	2.9 UJg	U	2.9	5.0	1	ug/L		09/12/02	mad
	Magnesium (Mg)	33800		15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	1440		1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	4970 JF		35.4	500	1	ug/L		09/12/02	mad
	Silver (Ag)	1.6 UJm	U	33.4	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	23900		3.6	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

Job Number: 215065

LABORATORY TEST RESULTS

Date:09/30/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATION ANGB SITE#6

ATTN: Jeff Donovan

Customer Sample ID: 6MW-20181402

Date Sampled.....: 08/14/2002

Time Sampled.....: 09:00

Sample Matrix.....: Water

Laboratory Sample ID: 215065-10

Date Received.....: 08/16/2002

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.2 J _Q	B	W J _Q	2.0	5.0	1	ug/L		09/05/02	h jg
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		08/22/02	lms
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	1640 J _F			31.1	200	1	ug/L		09/12/02	mad
	Antimony (Sb)	5.3	U		5.3	60.0	1	ug/L		09/12/02	mad
	Arsenic (As)	4.5 J _Q	B		2.6	10.0	1	ug/L		09/12/02	mad
	Barium (Ba)	217 J _C			0.66	200	1	ug/L		09/12/02	mad
	Beryllium (Be)	0.23	U		0.23	5.0	1	ug/L		09/12/02	mad
	Cadmium (Cd)	0.48	U		0.48	5.0	1	ug/L		09/12/02	mad
	Calcium (Ca)	89600			192	500	1	ug/L		09/12/02	mad
	Chromium (Cr)	2.2	B		0.83	10.0	1	ug/L		09/12/02	mad
	Cobalt (Co)	6.1	B		2.5	50.0	1	ug/L		09/12/02	mad
	Copper (Cu)	7.2 J _Q	B		6.9	25.0	1	ug/L		09/12/02	mad
	Iron (Fe)	3470 J _F			6.6	60.0	1	ug/L		09/12/02	mad
	Lead (Pb)	3.3 J _Q	B	J _Q	2.9	5.0	1	ug/L		09/08/02	mad
	Magnesium (Mg)	35500			15.1	500	1	ug/L		09/12/02	mad
	Manganese (Mn)	1450			1.9	10.0	1	ug/L		09/12/02	mad
	Nickel (Ni)	15.2	U		15.2	40.0	1	ug/L		09/12/02	mad
	Potassium (K)	9230 J _P		F N	70.8	1000	2.000	ug/L		09/12/02	mad
	Silver (Ag)	1.6 U _{J_m}	U		1.6	10.0	1	ug/L		09/12/02	mad
	Sodium (Na)	69200			33.4	500	1	ug/L		09/12/02	mad
	Thallium (Tl)	3.6	U		3.6	10.0	1	ug/L		09/12/02	mad
	Vanadium (V)	4.7 J _Q	B		3.7	50.0	1	ug/L		09/12/02	mad
	Zinc (Zn)	35.3 J _Q			17.8	20.0	1	ug/L		09/12/02	mad

* In Description = Dry Wgt.

SOIL SAMPLING ANALYTICAL RESULTS
JUNE, 2002

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-17-61402 5-6 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-023

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7793.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 10.4 Date Analyzed: 06/21/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.1	UJL
74-87-3	Chloromethane	1.4	Jq
74-83-9	Bromomethane	1.1	U
75-01-4	Vinyl Chloride	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	1.1	U
75-09-2	Methylene Chloride	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U
75-34-4	1,1-Dichloroethane	1.1	U
590-20-7	2,2-Dichloropropane	1.1	U
156-60-5	trans-1,2-Dichloroethylene	0.9	Jq
540-59-0	cis-1,2-Dichloroethene	2.7	Jq
67-66-3	Chloroform	1.1	U
563-58-6	1,1-Dichloropropene	1.1	U
107-06-2	1,2-Dichloroethane	1.1	U
74-97-5	Bromochloromethane	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
56-23-5	Carbon Tetrachloride	1.1	U
74-95-3	Dibromomethane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
79-01-6	Trichloroethene	5.0	Jq
71-43-2	Benzene	1.1	U
142-28-9	1,3-Dichloropropane	1.1	U
124-48-1	Dibromochloromethane	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
75-25-2	Bromoform	1.1	U
127-18-4	Tetrachloroethene	2.1	Jq
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U
108-88-3	Toluene	1.3	Jq
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
100-42-5	Styrene	1.1	U
108-38-3	m,p-Xylene	1.1	U
95-47-6	o-Xylene	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-17-61402 5-6FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-023

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7793.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 10.4 Date Analyzed: 06/21/02

GC Column: DB-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

98-82-8	Isopropylbenzene	35	
108-86-1	Bromobenzene	1.1	U
103-65-1	n-Propylbenzene	29	
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
95-49-8	2-Chlorotoluene	1.1	U
106-43-4	4-Chlorotoluene	1.1	U
108-67-8	1,3,5-Trimethylbenzene	8.0	
98-06-6	tert-Butylbenzene	1.1	U
95-63-6	1,2,4-Trimethylbenzene	12	
135-98-8	sec-Butylbenzene	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U
99-87-6	4-Isopropyltoluene	180	140 E
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	6.6	
104-51-8	n-Butylbenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U
87-68-3	Hexachlorobutadiene	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1.1	U
91-20-3	Naphthalene	1.6	J ₀
87-61-6	1,2,3-Trichlorobenzene	1.1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-17-61402 5-6FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-023

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7793.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 10.4 Date Analyzed: 06/21/02

GC Column: DB-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/KGNumber TICs found: 19

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	5.32	38	
2. 78-93-3	2-Butanone	9.52	5	
3. 000111-84-2	Nonane	19.74	1200	JN _T
4.	C19H18 isomer	20.35	750	J _T
5.	C10H22 isomer	20.90	620	J _T
6.	C10H22 isomer	21.86	1800	J _T
7.	Unknown CnH2n+2	22.11	1200	J _T
8. 622-96-8	p-Ethyltoluene	22.64	34	
9. 000589-90-2	Cyclohexane, 1,4-dimethyl-	22.78	530	JN _T
10.	C10H22 isomer	22.99	3500	J _T
11.	ethyl-methyl benzene isomer	23.30	690	J _T
12.	Unknown CnH2n+2	24.07	1200	J _T
13. 013151-35-4	Decane, 5-methyl-	24.68	540	JN _T
14.	Unknown CnH2n	25.08	780	J _T
15.	Unknown CnH2n+2	25.86	1900	J _T
16.	Methyl (1-methylethyl)benzene is	26.18	800	J _T
17.	Unknown	26.69	720	J _T
18.	Tricyclo[3.3.1.1 ^{3,7}]decane isomer	26.90	620	J _T
19. 527-53-7	1,2,4,5-Tetramethylbenzene	27.30	340	

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-18-61402 2-4FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-021

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7786.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 18.8 Date Analyzed: 06/21/02

GC Column: DB-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

→ 75-71-8	Dichlorodifluoromethane	1.2	U
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	1.2	U
75-09-2	Methylene Chloride	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
75-34-4	1,1-Dichloroethane	1.2	U
590-20-7	2,2-Dichloropropane	1.2	U
156-60-5	trans-1,2-Dichloroethylene	1.2	U
540-59-0	cis-1,2-Dichloroethene	1.2	U
67-66-3	Chloroform	1.2	U
563-58-6	1,1-Dichloropropene	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
74-97-5	Bromochloromethane	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
74-95-3	Dibromomethane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	1.2	U
71-43-2	Benzene	1.2	U
142-28-9	1,3-Dichloropropane	1.2	U
124-48-1	Dibromochloromethane	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
75-25-2	Bromoform	1.2	U
127-18-4	Tetrachloroethene	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	1.2	U
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
108-38-3	m,p-Xylene	1.2	U
95-47-6	o-Xylene	1.2	U
96-18-4	1,2,3-Trichloropropane	1.2	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-18-61402 2-4FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-021

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7786.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 18.8 Date Analyzed: 06/21/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.2	U
108-86-1	Bromobenzene	1.2	U
103-65-1	n-Propylbenzene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
95-49-8	2-Chlorotoluene	1.2	U
106-43-4	4-Chlorotoluene	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1.2	U
98-06-6	tert-Butylbenzene	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1.2	U
135-98-8	sec-Butylbenzene	1.2	U
541-73-1	1,3-Dichlorobenzene	1.2	U
99-87-6	4-Isopropyltoluene	1.2	U
106-46-7	1,4-Dichlorobenzene	1.2	U
95-50-1	1,2-Dichlorobenzene	1.2	U
104-51-8	n-Butylbenzene	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	U
87-68-3	Hexachlorobutadiene	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1.2	U
91-20-3	Naphthalene	1.2	U
87-61-6	1,2,3-Trichlorobenzene	1.2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-18-61402 2-4FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-021

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7786.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 18.8 Date Analyzed: 06/21/02

GC Column: DB-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/KGNumber TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.49	8	JN R _m

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01

SB-19-61402

7-8 FT
6 FTLab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860Matrix: (soil/water) SOIL Lab Sample ID: 212860-025Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7795.DLevel: (low/med) LOW Date Received: 06/18/02% Moisture: not dec. 11.5 Date Analyzed: 06/21/02GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	8.5	U
74-83-9	Bromomethane	1.1	U
75-01-4	Vinyl Chloride	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	1.1	U
75-09-2	Methylene Chloride	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U
75-34-4	1,1-Dichloroethane	1.1	U
590-20-7	2,2-Dichloropropane	1.1	U
156-60-5	trans-1,2-Dichloroethylene	1.1	U
540-59-0	cis-1,2-Dichloroethene	1.1	U
67-66-3	Chloroform	1.1	U
563-58-6	1,1-Dichloropropene	1.1	U
107-06-2	1,2-Dichloroethane	1.1	U
74-97-5	Bromochloromethane	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
56-23-5	Carbon Tetrachloride	1.1	U
74-95-3	Dibromomethane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
79-01-6	Trichloroethene	2800	280
71-43-2	Benzene	1.1	U
142-28-9	1,3-Dichloropropane	1.1	U
124-48-1	Dibromochloromethane	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
75-25-2	Bromoform	1.1	U
127-18-4	Tetrachloroethene	1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U
108-88-3	Toluene	1.1	U
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
100-42-5	Styrene	1.1	U
108-38-3	m,p-Xylene	1.1	U
95-47-6	o-Xylene	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-19-61402 7-8 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-025

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7795.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 11.5 Date Analyzed: 06/21/02

GC Column: DB-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
98-82-8	Isopropylbenzene		1.1	U
108-86-1	Bromobenzene		1.1	U
103-65-1	n-Propylbenzene		1.1	U
79-34-5	1,1,2,2-Tetrachloroethane		1.1	U
95-49-8	2-Chlorotoluene		1.1	U
106-43-4	4-Chlorotoluene		1.1	U
108-67-8	1,3,5-Trimethylbenzene		1.1	U
98-06-6	tert-Butylbenzene		1.1	U
95-63-6	1,2,4-Trimethylbenzene		1.1	U
135-98-8	sec-Butylbenzene		1.1	U
541-73-1	1,3-Dichlorobenzene		1.1	U
99-87-6	4-Isopropyltoluene		1.1	U
106-46-7	1,4-Dichlorobenzene		1.1	U
95-50-1	1,2-Dichlorobenzene		1.1	U
104-51-8	n-Butylbenzene		1.1	U
96-12-8	1,2-Dibromo-3-chloropropane		1.1	U
87-68-3	Hexachlorobutadiene		1.1	U
120-82-1	1,2,4-Trichlorobenzene		1.1	U
91-20-3	Naphthalene		1.1	U
87-61-6	1,2,3-Trichlorobenzene		1.1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-19-61402 7-8 FT

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
Matrix: (soil/water) SOIL Lab Sample ID: 212860-025
Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7795.D
Level: (low/med) LOW Date Received: 06/18/02
% Moisture: not dec. 11.5 Date Analyzed: 06/21/02
GC Column: DB-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/KGNumber TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.51	10	JN

R_m

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-20-61402 45-5.5 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-027

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7797.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 11.5 Date Analyzed: 06/21/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.1	UJL
74-87-3	Chloromethane	1.1	U
74-83-9	Bromomethane	1.1	U
75-01-4	Vinyl Chloride	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	1.1	U
75-09-2	Methylene Chloride	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U
75-34-4	1,1-Dichloroethane	1.1	U
590-20-7	2,2-Dichloropropane	1.1	U
156-60-5	trans-1,2-Dichloroethylene	1.1	U
540-59-0	cis-1,2-Dichloroethene	10	
67-66-3	Chloroform	1.1	U
563-58-6	1,1-Dichloropropene	1.1	U
107-06-2	1,2-Dichloroethane	1.1	U
74-97-5	Bromochloromethane	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
56-23-5	Carbon Tetrachloride	1.1	U
74-95-3	Dibromomethane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
79-01-6	Trichloroethene	54	
71-43-2	Benzene	1.1	U
142-28-9	1,3-Dichloropropane	1.1	U
124-48-1	Dibromochloromethane	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
75-25-2	Bromoform	1.1	U
127-18-4	Tetrachloroethene	1.4	JQ
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U
108-88-3	Toluene	4.4	JQ
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
100-42-5	Styrene	1.1	U
108-38-3	m,p-Xylene	1.1	U
95-47-6	o-Xylene	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-20-61402 45-5.5 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-027

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7797.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 11.5 Date Analyzed: 06/21/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.1	U
108-86-1	Bromobenzene	1.1	U
103-65-1	n-Propylbenzene	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
95-49-8	2-Chlorotoluene	1.1	U
106-43-4	4-Chlorotoluene	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1.1	U
98-06-6	tert-Butylbenzene	1.1	U
95-63-6	1,2,4-Trimethylbenzene	0.8	JQ
135-98-8	sec-Butylbenzene	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U
99-87-6	4-Isopropyltoluene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
104-51-8	n-Butylbenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U
87-68-3	Hexachlorobutadiene	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1.1	U
91-20-3	Naphthalene	1.1	U
87-61-6	1,2,3-Trichlorobenzene	1.1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-20-61402 4.5 -5.5 FT

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
Matrix: (soil/water) SOIL Lab Sample ID: 212860-027
Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7797.D
Level: (low/med) LOW Date Received: 06/18/02
% Moisture: not dec. 11.5 Date Analyzed: 06/21/02
GC Column: DB-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/KGNumber TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	7.68	7	JN _T
2. 000071-23-8	1-Propanol	8.49	25	JN

R_m

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-21-61402 7-8 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-013

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7781.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 15.6 Date Analyzed: 06/20/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.2	UJL
74-87-3	Chloromethane	3.3	Jq
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	1.2	U
75-09-2	Methylene Chloride	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
75-34-4	1,1-Dichloroethane	1.2	U
590-20-7	2,2-Dichloropropane	1.2	U
156-60-5	trans-1,2-Dichloroethylene	1.2	U
540-59-0	cis-1,2-Dichloroethene	22	
67-66-3	Chloroform	1.2	U
563-58-6	1,1-Dichloropropene	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
74-97-5	Bromochloromethane	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
74-95-3	Dibromomethane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	14	
71-43-2	Benzene	1.2	U
142-28-9	1,3-Dichloropropane	1.2	U
124-48-1	Dibromochloromethane	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
75-25-2	Bromoform	1.2	U
127-18-4	Tetrachloroethene	3.0	Jq
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	1.1	Jq
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
108-38-3	m,p-Xylene	1.2	U
95-47-6	o-Xylene	1.2	U
96-18-4	1,2,3-Trichloropropane	1.2	U

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FORM I VOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-21-61402 7-8 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-013

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7781.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 15.6 Date Analyzed: 06/20/02

GC Column: DB-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
98-82-8	Isopropylbenzene		1.2	U
108-86-1	Bromobenzene		1.2	U
103-65-1	n-Propylbenzene		1.2	U
79-34-5	1,1,2,2-Tetrachloroethane		1.2	U
95-49-8	2-Chlorotoluene		1.2	U
106-43-4	4-Chlorotoluene		1.2	U
108-67-8	1,3,5-Trimethylbenzene		1.2	U
98-06-6	tert-Butylbenzene		1.2	U
95-63-6	1,2,4-Trimethylbenzene		1.2	U
135-98-8	sec-Butylbenzene		1.2	U
541-73-1	1,3-Dichlorobenzene		1.2	U
99-87-6	4-Isopropyltoluene		1.2	U
106-46-7	1,4-Dichlorobenzene		1.2	U
95-50-1	1,2-Dichlorobenzene		1.2	U
104-51-8	n-Butylbenzene		1.2	U
96-12-8	1,2-Dibromo-3-chloropropane		1.2	U
87-68-3	Hexachlorobutadiene		1.2	U
120-82-1	1,2,4-Trichlorobenzene		1.2	U
91-20-3	Naphthalene		1.2	U
87-61-6	1,2,3-Trichlorobenzene		1.2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-21-61402 7-8 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-013

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7781.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 15.6 Date Analyzed: 06/20/02

GC Column: DB-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/KGNumber TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.52	7	JN
2.	dimethylcyclohexane isomer	16.33	6	J _T

R_m

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-22-61402 5-6 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-015

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7805.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 14.7 Date Analyzed: 06/23/02

GC Column: DB-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
75-71-8	Dichlorodifluoromethane	1.2	U _L	
74-87-3	Chloromethane	1.2	U	
74-83-9	Bromomethane	1.2	U	
75-01-4	Vinyl Chloride	1.2	U	
75-00-3	Chloroethane	1.2	U	
75-69-4	Trichlorofluoromethane	1.2	U	
75-09-2	Methylene Chloride	1.2	U	
75-35-4	1,1-Dichloroethene	1.2	U	
75-34-4	1,1-Dichloroethane	1.2	U	
590-20-7	2,2-Dichloropropane	1.2	U	
156-60-5	trans-1,2-Dichloroethylene	1.2	U	
540-59-0	cis-1,2-Dichloroethene	28		
67-66-3	Chloroform	1.2	U	
563-58-6	1,1-Dichloropropene	1.2	U	
107-06-2	1,2-Dichloroethane	1.2	U	
74-97-5	Bromochloromethane	1.2	U	
71-55-6	1,1,1-Trichloroethane	1.2	U	
56-23-5	Carbon Tetrachloride	1.2	U	
74-95-3	Dibromomethane	1.2	U	
75-27-4	Bromodichloromethane	1.2	U	
78-87-5	1,2-Dichloropropane	1.2	U	
10061-01-5	cis-1,3-Dichloropropene	1.2	U	
79-01-6	Trichloroethene	22		
71-43-2	Benzene	1.2	U	
142-28-9	1,3-Dichloropropane	1.2	U	
124-48-1	Dibromochloromethane	1.2	U	
10061-02-6	trans-1,3-Dichloropropene	1.2	U	
79-00-5	1,1,2-Trichloroethane	1.2	U	
106-93-4	1,2-Dibromoethane	1.2	U	
75-25-2	Bromoform	1.2	U	
127-18-4	Tetrachloroethene	2.3	U _m	
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U	
108-88-3	Toluene	2.9	J _Q	
108-90-7	Chlorobenzene	1.2	U	
100-41-4	Ethylbenzene	1.2	U	
100-42-5	Styrene	1.2	U	
108-38-3	m,p-Xylene	1.2	U	
95-47-6	o-Xylene	1.2	U	
96-18-4	1,2,3-Trichloropropane	1.2	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-22-61402 5-6 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-015

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7805.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 14.7 Date Analyzed: 06/23/02

GC Column: DB-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
98-82-8	Isopropylbenzene		1.2	U
108-86-1	Bromobenzene		1.2	U
103-65-1	n-Propylbenzene		1.2	U
79-34-5	1,1,2,2-Tetrachloroethane		1.2	U
95-49-8	2-Chlorotoluene		1.2	U
106-43-4	4-Chlorotoluene		1.2	U
108-67-8	1,3,5-Trimethylbenzene		1.2	U
98-06-6	tert-Butylbenzene		1.2	U
95-63-6	1,2,4-Trimethylbenzene		1.2	U
135-98-8	sec-Butylbenzene		1.2	U
541-73-1	1,3-Dichlorobenzene		1.3	JQ
99-87-6	4-Isopropyltoluene		1.2	U
106-46-7	1,4-Dichlorobenzene		1.2	JQ
95-50-1	1,2-Dichlorobenzene		6.7	
104-51-8	n-Butylbenzene		1.2	U
96-12-8	1,2-Dibromo-3-chloropropane		1.2	U
87-68-3	Hexachlorobutadiene		1.2	U
120-82-1	1,2,4-Trichlorobenzene		1.2	U
91-20-3	Naphthalene		1.2	U
87-61-6	1,2,3-Trichlorobenzene		1.2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-22-61402 5-6 FT

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
Matrix: (soil/water) SOIL Lab Sample ID: 212860-015
Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7805.D
Level: (low/med) LOW Date Received: 06/18/02
% Moisture: not dec. 14.7 Date Analyzed: 06/23/02
GC Column: DB-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/KGNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-23-61302 6-1 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-007

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7779.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 15.6 Date Analyzed: 06/20/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.2	UJL
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	4.5	JF, JQ
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	1.2	U
75-09-2	Methylene Chloride	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
75-34-4	1,1-Dichloroethane	1.2	U
590-20-7	2,2-Dichloropropane	1.2	U
156-60-5	trans-1,2-Dichloroethylene	1.2	U
540-59-0	cis-1,2-Dichloroethene	330 JF 230	E
67-66-3	Chloroform	1.2	U
563-58-6	1,1-Dichloropropene	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
74-97-5	Bromochloromethane	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
74-95-3	Dibromomethane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	8.2	
71-43-2	Benzene	1.2	U
142-28-9	1,3-Dichloropropane	1.2	U
124-48-1	Dibromochloromethane	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
75-25-2	Bromoform	1.2	U
127-18-4	Tetrachloroethene	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	4.5	JQ
108-90-7	Chlorobenzene	26 5.7	JF
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
108-38-3	m,p-Xylene	1.2	U
95-47-6	o-Xylene	1.2	U
96-18-4	1,2,3-Trichloropropane	1.2	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-23-61302 6-7 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-007

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7779.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 15.6 Date Analyzed: 06/20/02

GC Column: DB-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
98-82-8	Isopropylbenzene		1.2	U
108-86-1	Bromobenzene		1.2	U
103-65-1	n-Propylbenzene		1.2	U
79-34-5	1,1,2,2-Tetrachloroethane		1.2	U
95-49-8	2-Chlorotoluene		1.2	U
106-43-4	4-Chlorotoluene		1.2	U
108-67-8	1,3,5-Trimethylbenzene		1.2	U
98-06-6	tert-Butylbenzene		1.2	U
95-63-6	1,2,4-Trimethylbenzene		1.2	U
135-98-8	sec-Butylbenzene		1.2	U
541-73-1	1,3-Dichlorobenzene		1.2	U
99-87-6	4-Isopropyltoluene		1.2	U
106-46-7	1,4-Dichlorobenzene		1.2	U
95-50-1	1,2-Dichlorobenzene		7.1 7.9	U U
104-51-8	n-Butylbenzene		1.2	U
96-12-8	1,2-Dibromo-3-chloropropane		1.2	U
87-68-3	Hexachlorobutadiene		1.2	U
120-82-1	1,2,4-Trichlorobenzene		1.2	U
91-20-3	Naphthalene		1.2	U
87-61-6	1,2,3-Trichlorobenzene		1.2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-23-61302 6-7FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-007

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7779.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 15.6 Date Analyzed: 06/20/02

GC Column: DB-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/KGNumber TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.49	13	JN

Rm

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-23D-61302 6-7FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-012

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7780.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 19.8 Date Analyzed: 06/20/02

GC Column: DB-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
75-71-8	Dichlorodifluoromethane	1.2	U	JL
74-87-3	Chloromethane	1.2	U	
74-83-9	Bromomethane	1.2	U	
75-01-4	Vinyl Chloride	39	JF	
75-00-3	Chloroethane	1.2	U	
75-69-4	Trichlorofluoromethane	1.2	U	
75-09-2	Methylene Chloride	1.2	U	
75-35-4	1,1-Dichloroethene	1.2	U	
75-34-4	1,1-Dichloroethane	1.2	U	
590-20-7	2,2-Dichloropropane	1.2	U	
156-60-5	trans-1,2-Dichloroethylene	3/2		
540-59-0	cis-1,2-Dichloroethene	110	JF	
67-66-3	Chloroform	1.2	U	
563-58-6	1,1-Dichloropropene	1.2	U	
107-06-2	1,2-Dichloroethane	1.2	U	
74-97-5	Bromochloromethane	1.2	U	
71-55-6	1,1,1-Trichloroethane	1.2	U	
56-23-5	Carbon Tetrachloride	1.2	U	
74-95-3	Dibromomethane	1.2	U	
75-27-4	Bromodichloromethane	1.2	U	
78-87-5	1,2-Dichloropropane	1.2	U	
10061-01-5	cis-1,3-Dichloropropene	1.2	U	
79-01-6	Trichloroethene	6.0	JQ	
71-43-2	Benzene	0.9	JQ	
142-28-9	1,3-Dichloropropane	1.2	U	
124-48-1	Dibromochloromethane	1.2	U	
10061-02-6	trans-1,3-Dichloropropene	1.2	U	
79-00-5	1,1,2-Trichloroethane	1.2	U	
106-93-4	1,2-Dibromoethane	1.2	U	
75-25-2	Bromoform	1.2	U	
127-18-4	Tetrachloroethene	1.2	U	
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U	
108-88-3	Toluene	2.6	JQ	
108-90-7	Chlorobenzene	51	JF	
100-41-4	Ethylbenzene	1.2	U	
100-42-5	Styrene	1.2	U	
108-38-3	m,p-Xylene	1.2	U	
95-47-6	o-Xylene	1.2	U	
96-18-4	1,2,3-Trichloropropane	1.2	U	

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FORM I VOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-23D-61302 6-7FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-012

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7780.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 19.8 Date Analyzed: 06/20/02

GC Column: DB-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
98-82-8	✓ Isopropylbenzene		1.2	U
108-86-1	Bromobenzene		1.2	U
103-65-1	✓ n-Propylbenzene		1.2	U
79-34-5	1,1,2,2-Tetrachloroethane		1.2	U
95-49-8	2-Chlorotoluene		1.2	U
106-43-4	4-Chlorotoluene		1.2	U
108-67-8	✗ 1,3,5-Trimethylbenzene		1.2	U
98-06-6	tert-Butylbenzene		1.2	U
95-63-6	✓ 1,2,4-Trimethylbenzene		1.2	U
135-98-8	sec-Butylbenzene		1.2	U
541-73-1	✓ 1,3-Dichlorobenzene		3.4	JQ
99-87-6	4-Isopropyltoluene		1.2	U
106-46-7	1,4-Dichlorobenzene		3.2	JQ
95-50-1	1,2-Dichlorobenzene		91	JF ^{4m}
104-51-8	n-Butylbenzene		1.2	U
96-12-8	1,2-Dibromo-3-chloropropane		1.2	U
87-68-3	Hexachlorobutadiene		1.2	U
120-82-1	1,2,4-Trichlorobenzene		1.2	U
91-20-3	Naphthalene		1.2	U
87-61-6	1,2,3-Trichlorobenzene		1.2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-23D-61302 6-7 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-012

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7780.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 19.8 Date Analyzed: 06/20/02

GC Column: DB-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/KGNumber TICs found: 6

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
<u>1.</u> 67-64-1	Acetone	5.31	40	
<u>2.</u> 75-15-0	Carbon Disulfide	5.59	8	
<u>3.</u> 000071-23-8	1-Propanol	8.49	27	JN
<u>4.</u>	Unknown CnH2n	13.27	7	J _T
<u>5.</u>	Unknown CnH2n	22.42	33	J _T

h
4/23/02R_m

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-24-61302 4.5 - 5.5 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-010

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7791.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 13.8 Date Analyzed: 06/21/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.2	U _L
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	1.2	U
75-09-2	Methylene Chloride	1.2	J _Q
75-35-4	1,1-Dichloroethene	1.2	U
75-34-4	1,1-Dichloroethane	1.2	U
590-20-7	2,2-Dichloropropane	1.2	U
156-60-5	trans-1,2-Dichloroethylene	1.2	U
540-59-0	cis-1,2-Dichloroethene	18	
67-66-3	Chloroform	1.2	U
563-58-6	1,1-Dichloropropene	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
74-97-5	Bromochloromethane	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
74-95-3	Dibromomethane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	11	J _m
71-43-2	Benzene	1.2	U
142-28-9	1,3-Dichloropropane	1.2	U
124-48-1	Dibromochloromethane	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
75-25-2	Bromoform	1.2	U
127-18-4	Tetrachloroethene	1.0	J _Q
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	1.3	J _m , J _Q
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
108-38-3	m,p-Xylene	1.2	U
95-47-6	o-Xylene	1.2	U
96-18-4	1,2,3-Trichloropropane	1.2	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-24-61302 4.5 -5.5 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-010

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7791.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 13.8 Date Analyzed: 06/21/02

GC Column: DB-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
98-82-8	Isopropylbenzene	1.2	U	
108-86-1	Bromobenzene	1.2	U	
103-65-1	n-Propylbenzene	1.2	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	
95-49-8	2-Chlorotoluene	1.2	U	
106-43-4	4-Chlorotoluene	1.2	U	
108-67-8	1,3,5-Trimethylbenzene	1.2	U	
98-06-6	tert-Butylbenzene	1.2	U	
95-63-6	1,2,4-Trimethylbenzene	1.2	U	
135-98-8	sec-Butylbenzene	1.2	U	
541-73-1	1,3-Dichlorobenzene	1.2	U	
99-87-6	4-Isopropyltoluene	1.2	U	
106-46-7	1,4-Dichlorobenzene	1.2	U	
95-50-1	1,2-Dichlorobenzene	1.2	U	
104-51-8	n-Butylbenzene	1.2	U	
96-12-8	1,2-Dibromo-3-chloropropane	1.2	U	
87-68-3	Hexachlorobutadiene	1.2	U	
120-82-1	1,2,4-Trichlorobenzene	1.2	U	
91-20-3	Naphthalene	1.2	U	
87-61-6	1,2,3-Trichlorobenzene	1.2	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-24-61302 4.5 -5.5 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-010

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7791.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 13.8 Date Analyzed: 06/21/02

GC Column: DB-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/KGNumber TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.54	-8	JN

R_m

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-25-61402 5-6 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-017

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7784.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 10 Date Analyzed: 06/21/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.1	UJL
74-87-3	Chloromethane	1.1	U
74-83-9	Bromomethane	1.1	U
75-01-4	Vinyl Chloride	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	1.1	U
75-09-2	Methylene Chloride	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U
75-34-4	1,1-Dichloroethane	1.1	U
590-20-7	2,2-Dichloropropane	1.1	U
156-60-5	trans-1,2-Dichloroethylene	1.1	U
540-59-0	cis-1,2-Dichloroethene	21	
67-66-3	Chloroform	1.1	U
563-58-6	1,1-Dichloropropene	1.1	U
107-06-2	1,2-Dichloroethane	1.1	U
74-97-5	Bromochloromethane	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
56-23-5	Carbon Tetrachloride	1.1	U
74-95-3	Dibromomethane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
79-01-6	Trichloroethene	17	
71-43-2	Benzene	1.1	U
142-28-9	1,3-Dichloropropane	1.1	U
124-48-1	Dibromochloromethane	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
75-25-2	Bromoform	1.1	U
127-18-4	Tetrachloroethene	14000 1400	E
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U
108-88-3	Toluene	12	
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
100-42-5	Styrene	1.1	U
108-38-3	m,p-Xylene	1.1	U
95-47-6	o-Xylene	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U

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FORM I VOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-25-61402 5-6^{FT}

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-017

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7784.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 10 Date Analyzed: 06/21/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.1	U
108-86-1	Bromobenzene	1.1	U
103-65-1	n-Propylbenzene	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
95-49-8	2-Chlorotoluene	1.1	U
106-43-4	4-Chlorotoluene	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1.1	U
98-06-6	tert-Butylbenzene	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.1	U
135-98-8	sec-Butylbenzene	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U
99-87-6	4-Isopropyltoluene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
104-51-8	n-Butylbenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U
87-68-3	Hexachlorobutadiene	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1.1	U
91-20-3	Naphthalene	1.1	U
87-61-6	1,2,3-Trichlorobenzene	1.1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-25-61402 5-6 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-017

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7784.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 10 Date Analyzed: 06/21/02

GC Column: DB-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/KGNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-26-61402 5-6 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-019

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7785.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 12.5 Date Analyzed: 06/21/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.1	U _L
74-87-3	Chloromethane	1.1	U
74-83-9	Bromomethane	1.1	U
75-01-4	Vinyl Chloride	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	1.1	U
75-09-2	Methylene Chloride	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U
75-34-4	1,1-Dichloroethane	1.1	U
590-20-7	2,2-Dichloropropane	1.1	U
156-60-5	trans-1,2-Dichloroethylene	1.1	U
540-59-0	cis-1,2-Dichloroethene	66	
67-66-3	Chloroform	1.1	U
563-58-6	1,1-Dichloropropene	1.1	U
107-06-2	1,2-Dichloroethane	1.1	U
74-97-5	Bromochloromethane	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
56-23-5	Carbon Tetrachloride	1.1	U
74-95-3	Dibromomethane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
79-01-6	Trichloroethene	65	
71-43-2	Benzene	1.1	U
142-28-9	1,3-Dichloropropane	1.1	U
124-48-1	Dibromochloromethane	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
75-25-2	Bromoform	1.1	U
127-18-4	Tetrachloroethene	20000 4600	E
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U
108-88-3	Toluene	14	
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
100-42-5	Styrene	1.1	U
108-38-3	m,p-Xylene	1.1	U
95-47-6	o-Xylene	1.1	U
96-18-4	1,2,3-Trichloropropane	1.1	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: STL Newburgh Contract: 01012.01 SB-26-61402 5-6 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-019

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7785.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 12.5 Date Analyzed: 06/21/02

GC Column: DB-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
98-82-8	Isopropylbenzene	1.1	U	
108-86-1	Bromobenzene	1.1	U	
103-65-1	n-Propylbenzene	1.1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	
95-49-8	2-Chlorotoluene	1.1	U	
106-43-4	4-Chlorotoluene	1.1	U	
108-67-8	1,3,5-Trimethylbenzene	1.1	U	
98-06-6	tert-Butylbenzene	1.1	U	
95-63-6	1,2,4-Trimethylbenzene	1.1	U	
135-98-8	sec-Butylbenzene	1.1	U	
541-73-1	1,3-Dichlorobenzene	1.1	U	
99-87-6	4-Isopropyltoluene	1.1	U	
106-46-7	1,4-Dichlorobenzene	1.1	U	
95-50-1	1,2-Dichlorobenzene	1.1	U	
104-51-8	n-Butylbenzene	1.1	U	
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U	
87-68-3	Hexachlorobutadiene	1.1	U	
120-82-1	1,2,4-Trichlorobenzene	1.1	U	
91-20-3	Naphthalene	1.1	U	
87-61-6	1,2,3-Trichlorobenzene	1.1	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-26-61402 5-10FT

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
Matrix: (soil/water) SOIL Lab Sample ID: 212860-019
Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7785.D
Level: (low/med) LOW Date Received: 06/18/02
% Moisture: not dec. 12.5 Date Analyzed: 06/21/02
GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-27-61302

6-7.5 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-001

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7776.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 15.8 Date Analyzed: 06/20/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.2	U _L
74-87-3	Chloromethane	1.2	U _{Fe}
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	1.2	U
75-09-2	Methylene Chloride	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
75-34-4	1,1-Dichloroethane	1.2	U
590-20-7	2,2-Dichloropropane	1.2	U
156-60-5	trans-1,2-Dichloroethylene	1.2	U
540-59-0	cis-1,2-Dichloroethene	1.2	U
67-66-3	Chloroform	1.2	U
563-58-6	1,1-Dichloropropene	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
74-97-5	Bromochloromethane	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
74-95-3	Dibromomethane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	1.2	U
71-43-2	Benzene	1.2	U
142-28-9	1,3-Dichloropropane	1.2	U
124-48-1	Dibromochloromethane	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
75-25-2	Bromoform	1.2	U
127-18-4	Tetrachloroethene	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	5.9	U _{Fe}
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
108-38-3	m,p-Xylene	1.2	U
95-47-6	o-Xylene	1.2	U
96-18-4	1,2,3-Trichloropropane	1.2	U

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FORM I VOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-27-61302 6-7.5 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-001

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7776.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 15.8 Date Analyzed: 06/20/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.2	U
108-86-1	Bromobenzene	1.2	U
103-65-1	n-Propylbenzene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
95-49-8	2-Chlorotoluene	1.2	U
106-43-4	4-Chlorotoluene	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1.2	U
98-06-6	tert-Butylbenzene	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1.2	U
135-98-8	sec-Butylbenzene	1.2	U
541-73-1	1,3-Dichlorobenzene	1.2	U
99-87-6	4-Isopropyltoluene	1.2	U
106-46-7	1,4-Dichlorobenzene	1.2	U
95-50-1	1,2-Dichlorobenzene	1.2	U
104-51-8	n-Butylbenzene	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	U
87-68-3	Hexachlorobutadiene	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1.2	U
91-20-3	Naphthalene	1.2	U
87-61-6	1,2,3-Trichlorobenzene	1.2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-27-61302 6-7.5 FT

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
Matrix: (soil/water) SOIL Lab Sample ID: 212860-001
Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7776.D
Level: (low/med) LOW Date Received: 06/18/02
% Moisture: not dec. 15.8 Date Analyzed: 06/20/02
GC Column: DB-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/KGNumber TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.48	12	JN _{Rm}

VOLATILE ORGANICS ANALYSIS DATA SHEET

SB-27D-61302

6-7.5 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-004

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7777.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 17.5 Date Analyzed: 06/20/02

GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.2	U _L
74-87-3	Chloromethane	5.0	J _F , J _Q
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	1.2	U
75-09-2	Methylene Chloride	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
75-34-4	1,1-Dichloroethane	1.2	U
590-20-7	2,2-Dichloropropane	1.2	U
156-60-5	trans-1,2-Dichloroethylene	1.2	U
540-59-0	cis-1,2-Dichloroethene	1.2	U
67-66-3	Chloroform	1.2	U
563-58-6	1,1-Dichloropropene	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
74-97-5	Bromochloromethane	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
74-95-3	Dibromomethane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	1.2	U
71-43-2	Benzene	1.2	U
142-28-9	1,3-Dichloropropane	1.2	U
124-48-1	Dibromochloromethane	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
75-25-2	Bromoform	1.2	U
127-18-4	Tetrachloroethene	1.2	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	2.7	J _Q
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
108-38-3	m,p-Xylene	1.2	U
95-47-6	o-Xylene	1.2	U
96-18-4	1,2,3-Trichloropropane	1.2	U

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FORM I VOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-27D-61302

6-7.5 FT

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-004

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7777.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 17.5 Date Analyzed: 06/20/02

GC Column: DB-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
98-82-8	Isopropylbenzene	1.2	U	
108-86-1	Bromobenzene	1.2	U	
103-65-1	n-Propylbenzene	1.2	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	
95-49-8	2-Chlorotoluene	1.2	U	
106-43-4	4-Chlorotoluene	1.2	U	
108-67-8	1,3,5-Trimethylbenzene	1.2	U	
98-06-6	tert-Butylbenzene	1.2	U	
95-63-6	1,2,4-Trimethylbenzene	1.2	U	
135-98-8	sec-Butylbenzene	1.2	U	
541-73-1	1,3-Dichlorobenzene	1.2	U	
99-87-6	4-Isopropyltoluene	1.2	U	
106-46-7	1,4-Dichlorobenzene	1.2	U	
95-50-1	1,2-Dichlorobenzene	1.2	U	
104-51-8	n-Butylbenzene	1.2	U	
96-12-8	1,2-Dibromo-3-chloropropane	1.2	U	
87-68-3	Hexachlorobutadiene	1.2	U	
120-82-1	1,2,4-Trichlorobenzene	1.2	U	
91-20-3	Naphthalene	1.2	U	
87-61-6	1,2,3-Trichlorobenzene	1.2	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-27D-61302

6-7.5 FT

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
Matrix: (soil/water) SOIL Lab Sample ID: 212860-004
Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7777.D
Level: (low/med) LOW Date Received: 06/18/02
% Moisture: not dec. 17.5 Date Analyzed: 06/20/02
GC Column: DB-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/KGNumber TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.49	6	JN

Rm

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-28-61302 7-8 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-005

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7792.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 10.7 Date Analyzed: 06/21/02

GC Column: DB-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
75-71-8	Dichlorodifluoromethane	1.1	U _{JL}	
74-87-3	Chloromethane	8.1		
74-83-9	Bromomethane	1.1	U	
75-01-4	Vinyl Chloride	1.1	U	
75-00-3	Chloroethane	1.1	U	
75-69-4	Trichlorofluoromethane	1.1	U	
75-09-2	Methylene Chloride	1.1	U	
75-35-4	1,1-Dichloroethene	1.1	U	
75-34-4	1,1-Dichloroethane	1.1	U	
590-20-7	2,2-Dichloropropane	1.1	U	
156-60-5	trans-1,2-Dichloroethylene	1.1	U	
540-59-0	cis-1,2-Dichloroethene	35		
67-66-3	Chloroform	1.1	U	
563-58-6	1,1-Dichloropropene	1.1	U	
107-06-2	1,2-Dichloroethane	1.1	U	
74-97-5	Bromochloromethane	1.1	U	
71-55-6	1,1,1-Trichloroethane	1.1	U	
56-23-5	Carbon Tetrachloride	1.1	U	
74-95-3	Dibromomethane	1.1	U	
75-27-4	Bromodichloromethane	1.1	U	
78-87-5	1,2-Dichloropropane	1.1	U	
10061-01-5	cis-1,3-Dichloropropene	1.1	U	
79-01-6	Trichloroethene	8.4		
71-43-2	Benzene	1.1	U	
142-28-9	1,3-Dichloropropane	1.1	U	
124-48-1	Dibromochloromethane	1.1	U	
10061-02-6	trans-1,3-Dichloropropene	1.1	U	
79-00-5	1,1,2-Trichloroethane	1.1	U	
106-93-4	1,2-Dibromoethane	1.1	U	
75-25-2	Bromoform	1.1	U	
127-18-4	Tetrachloroethene	0.6	J _Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U	
108-88-3	Toluene	2.0	J _Q	
108-90-7	Chlorobenzene	1.1	U	
100-41-4	Ethylbenzene	1.1	U	
100-42-5	Styrene	1.1	U	
108-38-3	m,p-Xylene	1.1	U	
95-47-6	o-Xylene	1.1	U	
96-18-4	1,2,3-Trichloropropane	1.1	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 SB-28-61302 7-8 FT

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-005

Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7792.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. 10.7 Date Analyzed: 06/21/02

GC Column: DB-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
98-82-8	Isopropylbenzene	1.1	U	
108-86-1	Bromobenzene	1.1	U	
103-65-1	n-Propylbenzene	1.1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	
95-49-8	2-Chlorotoluene	1.1	U	
106-43-4	4-Chlorotoluene	1.1	U	
108-67-8	1,3,5-Trimethylbenzene	1.1	U	
98-06-6	tert-Butylbenzene	1.1	U	
95-63-6	1,2,4-Trimethylbenzene	1.1	U	
135-98-8	sec-Butylbenzene	1.1	U	
541-73-1	1,3-Dichlorobenzene	1.1	U	
99-87-6	4-Isopropyltoluene	1.1	U	
106-46-7	1,4-Dichlorobenzene	1.1	U	
95-50-1	1,2-Dichlorobenzene	1.1	U	
104-51-8	n-Butylbenzene	1.1	U	
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U	
87-68-3	Hexachlorobutadiene	1.1	U	
120-82-1	1,2,4-Trichlorobenzene	1.1	U	
91-20-3	Naphthalene	1.1	U	
87-61-6	1,2,3-Trichlorobenzene	1.1	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-28-61302 7-8 FT

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
Matrix: (soil/water) SOIL Lab Sample ID: 212860-005
Sample wt/vol: 5.0 (g/ml) G Lab File ID: W7792.D
Level: (low/med) LOW Date Received: 06/18/02
% Moisture: not dec. 10.7 Date Analyzed: 06/21/02
GC Column: DB-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/KGNumber TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.51	15	JN

Rm

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-61302

Lab Name: STL Newburgh Contract: 01012.01Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860Matrix: (soil/water) WATER Lab Sample ID: 212860-31Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W7790.DLevel: (low/med) LOW Date Received: 06/18/02% Moisture: not dec. _____ Date Analyzed: 06/21/02GC Column: DB-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

75-71-8	Dichlorodifluoromethane	1.0	U _L
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-4	1,1-Dichloroethane	1.0	U
590-20-7	2,2-Dichloropropane	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.0	U
540-59-0	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
71-43-2	Benzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
75-25-2	Bromoform	1.0	U
127-18-4	Tetrachloroethene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Newburgh Contract: 01012.01 TB-61302

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-31

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W7790.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. _____ Date Analyzed: 06/21/02

GC Column: DB-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

98-82-8	Isopropylbenzene	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-61302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-31

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W7790.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. _____ Date Analyzed: 06/21/02

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

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

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RS-SB-61302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-29

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W7788.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. _____ Date Analyzed: 06/21/02

GC Column: DB-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
75-71-8	Dichlorodifluoromethane		1.0	U _{JL}
74-87-3	Chloromethane		1.0	U
74-83-9	Bromomethane		1.0	U
75-01-4	Vinyl Chloride		1.0	U
75-00-3	Chloroethane		1.0	U
75-69-4	Trichlorofluoromethane		1.0	U
75-09-2	Methylene Chloride		1.0	U
75-35-4	1,1-Dichloroethene		1.0	U
75-34-4	1,1-Dichloroethane		1.0	U
590-20-7	2,2-Dichloropropane		1.0	U
156-60-5	trans-1,2-Dichloroethylene		1.0	U
540-59-0	cis-1,2-Dichloroethene		1.0	U
67-66-3	Chloroform		1.0	U
563-58-6	1,1-Dichloropropene		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
74-97-5	Bromochloromethane		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon Tetrachloride		1.0	U
74-95-3	Dibromomethane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
10061-01-5	cis-1,3-Dichloropropene		1.0	U
79-01-6	Trichloroethene		1.0	U
71-43-2	Benzene		1.0	U
142-28-9	1,3-Dichloropropane		1.0	U
124-48-1	Dibromochloromethane		1.0	U
10061-02-6	trans-1,3-Dichloropropene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
106-93-4	1,2-Dibromoethane		1.0	U
75-25-2	Bromoform		1.0	U
127-18-4	Tetrachloroethene		1.0	U
630-20-6	1,1,1,2-Tetrachloroethane		1.0	U
108-88-3	Toluene		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
100-42-5	Styrene		1.0	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		1.0	U
96-18-4	1,2,3-Trichloropropane		1.0	U

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SERVICES**

FORM IVOA

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RS-SB-61302

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
 Matrix: (soil/water) WATER Lab Sample ID: 212860-29
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W7788.D
 Level: (low/med) LOW Date Received: 06/18/02
 % Moisture: not dec. _____ Date Analyzed: 06/21/02
 GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RS-SB-61302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-29

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W7788.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. _____ Date Analyzed: 06/21/02

GC Column: DB-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/LNumber TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	8.51	7	JN _T

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RS-SB-61402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-30

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W7789.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. _____ Date Analyzed: 06/21/02

GC Column: DB-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
75-71-8	Dichlorodifluoromethane		1.0	U _L
74-87-3	Chloromethane		1.0	U
74-83-9	Bromomethane		1.0	U
75-01-4	Vinyl Chloride		1.0	U
75-00-3	Chloroethane		1.0	U
75-69-4	Trichlorofluoromethane		1.0	U
75-09-2	Methylene Chloride		1.0	U
75-35-4	1,1-Dichloroethene		1.0	U
75-34-4	1,1-Dichloroethane		1.0	U
590-20-7	2,2-Dichloropropane		1.0	U
156-60-5	trans-1,2-Dichloroethylene		1.0	U
540-59-0	cis-1,2-Dichloroethene		1.0	U
67-66-3	Chloroform		1.0	U
563-58-6	1,1-Dichloropropene		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
74-97-5	Bromochloromethane		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon Tetrachloride		1.0	U
74-95-3	Dibromomethane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
10061-01-5	cis-1,3-Dichloropropene		1.0	U
79-01-6	Trichloroethene		1.0	U
71-43-2	Benzene		1.0	U
142-28-9	1,3-Dichloropropane		1.0	U
124-48-1	Dibromochloromethane		1.0	U
10061-02-6	trans-1,3-Dichloropropene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
106-93-4	1,2-Dibromoethane		1.0	U
75-25-2	Bromoform		1.0	U
127-18-4	Tetrachloroethene		1.0	U
630-20-6	1,1,1,2-Tetrachloroethane		1.0	U
108-88-3	Toluene		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
100-42-5	Styrene		1.0	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		1.0	U
96-18-4	1,2,3-Trichloropropane		1.0	U

STL Newburgh is a part of Severn Trent Laboratories, Inc.



FORM IVOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

RS-SB-61402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: SAS No.: SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-30

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W7789.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. Date Analyzed: 06/21/02

GC Column: DB-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
98-82-8	Isopropylbenzene		1.0	U
108-86-1	Bromobenzene		1.0	U
103-65-1	n-Propylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
95-49-8	2-Chlorotoluene		1.0	U
106-43-4	4-Chlorotoluene		1.0	U
108-67-8	1,3,5-Trimethylbenzene		1.0	U
98-06-6	tert-Butylbenzene		1.0	U
95-63-6	1,2,4-Trimethylbenzene		1.0	U
135-98-8	sec-Butylbenzene		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
99-87-6	4-Isopropyltoluene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
104-51-8	n-Butylbenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
87-68-3	Hexachlorobutadiene		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
91-20-3	Naphthalene		1.0	U
87-61-6	1,2,3-Trichlorobenzene		1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RS-SB-61402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-30

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: W7789.D

Level: (low/med) LOW Date Received: 06/18/02

% Moisture: not dec. _____ Date Analyzed: 06/21/02

GC Column: DB-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/LNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB17:5-6'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: SAS No.: SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-024

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26955.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 21.9 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.08

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	430	U
108-95-2	Phenol	430	U _{JL}
95-57-8	2-Chlorophenol	430	U _{JL}
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U _{JL}
95-50-1	1,2-Dichlorobenzene	430	U
100-51-6	Benzyl alcohol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
95-48-7	2-Methylphenol	430	U
67-72-1	Hexachloroethane	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U _{JL}
106-44-5	4-Methylphenol	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U _{JL}
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U _{JL}
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-methylphenol	430	U _{JL}
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U _{JL}
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
208-96-8	Acenaphthylene	430	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
83-32-9	Acenaphthene	430	U _{JL}
99-09-2	3-Nitroaniline	1100	U _{JL}
51-28-5	2,4-Dinitrophenol	1100	U _{JL}
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U _{JL}

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB17:5-6'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-024

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26955.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 21.9 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.08

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	1100	U _L , U _C
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
84-66-2	Diethylphthalate	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U _C
86-30-6	n-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U _L , U _C
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)phthalate	430	U
117-84-0	Di-n-octylphthalate	430	U _C
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
62-75-9	N-Nitrosodimethylamine	430	U
53-70-3	Dibenz(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB17:5-6'

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
 Matrix: (soil/water) SOIL Lab Sample ID: 212860-024
 Sample wt/vol: 30 (g/ml) G Lab File ID: E26955.D
 Level: (low/med) LOW Date Received: 6/18/02
 % Moisture: 21.9 decanted: (Y/N) N Date Extracted: 6/27/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.08

CONCENTRATION UNITS:

Number TICs found: 16 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.30	2100	J R _m
2. 000124-18-5	Decane	6.40	670	JN
3. 006975-98-0	Decane, 2-methyl-	7.31	810	JN
4. 013151-34-3	Decane, 3-methyl-	7.39	550	JN
5. 004926-90-3	Cyclohexane, 1-ethyl-1-methyl-	7.64	440	JN
6. 001120-21-4	Undecane	7.80	2600	JN
7.	unknown C _n H _{2n+2}	8.01	410	J
8.	unknown	8.10	210	J
9.	unknown C _n H _{2n+2}	8.14	260	J
10.	unknown Cyclohexane	8.33	400	J
11. 001632-70-8	Undecane, 5-methyl-	8.52	680	JN
12. 002980-69-0	Undecane, 4-methyl-	8.57	440	JN
13. 007045-71-8	Undecane, 2-methyl-	8.64	670	JN
14.	unknown C _n H _{2n+2}	8.72	550	J
15. 000112-40-3	Dodecane	9.10	1200	JN
16.	dimethyl Undecane isomer	9.26	370	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB18:2-4'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-022

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26964.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 24 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.98

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	440	U
108-95-2	Phenol	440	UJL
95-57-8	2-Chlorophenol	440	UJL
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	UJL
95-50-1	1,2-Dichlorobenzene	440	U
100-51-6	Benzyl alcohol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
95-48-7	2-Methylphenol	440	U
67-72-1	Hexachloroethane	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	UJL
106-44-5	4-Methylphenol	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	UJL
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	UJL
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	UJL
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	UJL
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
208-96-8	Acenaphthylene	440	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
83-32-9	Acenaphthene	440	UJL
99-09-2	3-Nitroaniline	1100	UJL
51-28-5	2,4-Dinitrophenol	1100	UJL
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	UJL

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB18:2-4'

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
 Matrix: (soil/water) SOIL Lab Sample ID: 212860-022
 Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26964.D
 Level: (low/med) LOW Date Received: 6/18/02
 % Moisture: 24 decanted: (Y/N) N Date Extracted: 6/27/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 6.98

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	1100	U _{TL} U _{TC}
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
84-66-2	Diethylphthalate	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U _{TC}
86-30-6	n-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U _{TL} U _{TC}
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	440	U
129-00-0	Pyrene	440	U
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	880	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	440	U
117-81-7	bis(2-Ethylhexyl)phthalate	440	U
117-84-0	Di-n-octylphthalate	440	U _{TC}
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
62-75-9	N-Nitrosodimethylamine	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB18:2-4'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-022

Sample wt/vol: 30 (g/ml) G Lab File ID: E26964.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 24 decanted: (Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.98

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.27	1400	J Rm

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB19:7-8'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-026

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26956.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 11.4 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.32

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U _{TL}
95-57-8	2-Chlorophenol	370	U _{TL}
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U _{TL}
95-50-1	1,2-Dichlorobenzene	370	U
100-51-6	Benzyl alcohol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U _{TL}
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U _{TL}
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U _{TL}
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U _{TL}
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U _{TL}
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U _{TL}
99-09-2	3-Nitroaniline	940	U _{TL}
51-28-5	2,4-Dinitrophenol	940	U _{TL}
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U _{TL}

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB19:7-8'

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
 Matrix: (soil/water) SOIL Lab Sample ID: 212860-026
 Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26956.D
 Level: (low/med) LOW Date Received: 6/18/02
 % Moisture: 11.4 decanted:(Y/N) N Date Extracted: 6/27/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.32

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	940	UJL UJc
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	UJc
86-30-6	n-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	UJL UJc
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	750	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	UJc
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
62-75-9	N-Nitrosodimethylamine	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB19:7-8'

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
Matrix: (soil/water) SOIL Lab Sample ID: 212860-026
Sample wt/vol: 30 (g/ml) G Lab File ID: E26956.D
Level: (low/med) LOW Date Received: 6/18/02
% Moisture: 11.4 decanted: (Y/N) N Date Extracted: 6/27/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.32

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.27	990	J

R_m

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB20:4.5-5.5

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-028

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26965.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 10.7 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.87

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
111-44-4	bis(2-Chloroethyl)ether	370		U
108-95-2	Phenol	370		U _{JL}
95-57-8	2-Chlorophenol	370		U _{JL}
541-73-1	1,3-Dichlorobenzene	370		U
106-46-7	1,4-Dichlorobenzene	370		U _{JL}
95-50-1	1,2-Dichlorobenzene	370		U
100-51-6	Benzyl alcohol	370		U
108-60-1	2,2'-oxybis(1-Chloropropane)	370		U
95-48-7	2-Methylphenol	370		U
67-72-1	Hexachloroethane	370		U
621-64-7	N-Nitroso-di-n-propylamine	370		U _{JL}
106-44-5	4-Methylphenol	370		U
98-95-3	Nitrobenzene	370		U
78-59-1	Isophorone	370		U
88-75-5	2-Nitrophenol	370		U
105-67-9	2,4-Dimethylphenol	370		U
111-91-1	bis(2-Chloroethoxy)methane	370		U
120-83-2	2,4-Dichlorophenol	370		U
120-82-1	1,2,4-Trichlorobenzene	370		U _{JL}
91-20-3	Naphthalene	370		U
106-47-8	4-Chloroaniline	370		U _{JL}
87-68-3	Hexachlorobutadiene	370		U
59-50-7	4-Chloro-3-methylphenol	370		U _{JL}
91-57-6	2-Methylnaphthalene	370		U
77-47-4	Hexachlorocyclopentadiene	370		U _{JL}
88-06-2	2,4,6-Trichlorophenol	370		U
95-95-4	2,4,5-Trichlorophenol	370		U
91-58-7	2-Chloronaphthalene	370		U
88-74-4	2-Nitroaniline	940		U
208-96-8	Acenaphthylene	370		U
131-11-3	Dimethylphthalate	370		U
606-20-2	2,6-Dinitrotoluene	370		U
83-32-9	Acenaphthene	370		U _{JL}
99-09-2	3-Nitroaniline	940		U _{JL}
51-28-5	2,4-Dinitrophenol	940		U _{JL}
132-64-9	Dibenzofuran	370		U
121-14-2	2,4-Dinitrotoluene	370		U _{JL}



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FORM I SV-1

3/90

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB20:4.5-5.5

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-028

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26965.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 10.7 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.87

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	940	U _{JL} , U _{Jc}
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U _{Jc}
86-30-6	n-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U _{JL} , U _{Jc}
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	750	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U _{Jc}
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
62-75-9	N-Nitrosodimethylamine	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB20:4.5-5.5

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-028

Sample wt/vol: 30 (g/ml) G Lab File ID: E26965.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 10.7 decanted: (Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.87

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.29	2100	J

R_m

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB21:7-8'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-014

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26963.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 15.2 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.16

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
111-44-4	bis(2-Chloroethyl)ether	390	U
108-95-2	Phenol	390	U _{JL}
95-57-8	2-Chlorophenol	390	U _{JL}
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U _{JL}
95-50-1	1,2-Dichlorobenzene	390	U
100-51-6	Benzyl alcohol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
95-48-7	2-Methylphenol	390	U
67-72-1	Hexachloroethane	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U _{JL}
106-44-5	4-Methylphenol	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U _{JL}
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U _{JL}
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U _{JL}
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U _{JL}
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
208-96-8	Acenaphthylene	390	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
83-32-9	Acenaphthene	390	U _{JL}
99-09-2	3-Nitroaniline	980	U _{JL}
51-28-5	2,4-Dinitrophenol	980	U _{JL}
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U _{JL}

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB21:7-8'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-014

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26963.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 15.2 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.16

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	980	UJL, UJc
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
84-66-2	Diethylphthalate	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	UJc
86-30-6	n-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	UJL, UJc
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	780	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	UJc
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
62-75-9	N-Nitrosodimethylamine	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB21:7-8'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-014

Sample wt/vol: 30 (g/ml) G Lab File ID: E26963.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 15.2 decanted: (Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.16

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.27	1800	J

R_m

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB22:5-6'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-016

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26946.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 15.2 decanted: (Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.52

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
111-44-4	bis(2-Chloroethyl)ether	390		U
108-95-2	Phenol	390		U _{TL}
95-57-8	2-Chlorophenol	390		U _{TL}
541-73-1	1,3-Dichlorobenzene	100		J _Q
106-46-7	1,4-Dichlorobenzene	94		J _L , J _Q
95-50-1	1,2-Dichlorobenzene	590		
100-51-6	Benzyl alcohol	390		U
108-60-1	2,2'-oxybis(1-Chloropropane)	390		U
95-48-7	2-Methylphenol	390		U
67-72-1	Hexachloroethane	390		U
621-64-7	N-Nitroso-di-n-propylamine	390		U _{TL}
106-44-5	4-Methylphenol	390		U
98-95-3	Nitrobenzene	390		U
78-59-1	Isophorone	390		U
88-75-5	2-Nitrophenol	390		U
105-67-9	2,4-Dimethylphenol	390		U
111-91-1	bis(2-Chloroethoxy)methane	390		U
120-83-2	2,4-Dichlorophenol	390		U
120-82-1	1,2,4-Trichlorobenzene	390		U _{TL}
91-20-3	Naphthalene	390		U
106-47-8	4-Chloroaniline	390		U
87-68-3	Hexachlorobutadiene	390		U
59-50-7	4-Chloro-3-methylphenol	390		U _{TL}
91-57-6	2-Methylnaphthalene	390		U
77-47-4	Hexachlorocyclopentadiene	390		U
88-06-2	2,4,6-Trichlorophenol	390		U
95-95-4	2,4,5-Trichlorophenol	390		U
91-58-7	2-Chloronaphthalene	390		U
88-74-4	2-Nitroaniline	980		U
208-96-8	Acenaphthylene	390		U
131-11-3	Dimethylphthalate	390		U
606-20-2	2,6-Dinitrotoluene	390		U
83-32-9	Acenaphthene	390		U _{TL}
99-09-2	3-Nitroaniline	980		U
51-28-5	2,4-Dinitrophenol	980		U
132-64-9	Dibenzofuran	390		U
121-14-2	2,4-Dinitrotoluene	390		U _{TL}

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB22:5-6'

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
 Matrix: (soil/water) SOIL Lab Sample ID: 212860-016
 Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26946.D
 Level: (low/med) LOW Date Received: 6/18/02
 % Moisture: 15.2 decanted:(Y/N) N Date Extracted: 6/27/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.52

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	980	U _{TL}
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
84-66-2	Diethylphthalate	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	n-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U _{TL}
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	780	U _{TL}
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	57	J _Q
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
62-75-9	N-Nitrosodimethylamine	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB22:5-6'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-016

Sample wt/vol: 30 (g/ml) G Lab File ID: E26946.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 15.2 decanted: (Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.52

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.29	1400	J

R_m

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB23:6-7'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-008

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26959.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 16.5 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.19

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
111-44-4	bis(2-Chloroethyl)ether	400	U
108-95-2	Phenol	400	U _{JL}
95-57-8	2-Chlorophenol	400	U _{JL}
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U _{JL}
95-50-1	1,2-Dichlorobenzene	400	U
100-51-6	Benzyl alcohol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
95-48-7	2-Methylphenol	400	U
67-72-1	Hexachloroethane	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U _{JL}
106-44-5	4-Methylphenol	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U _{JL}
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U _{JL}
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U _{JL}
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U _{JL}
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
208-96-8	Acenaphthylene	400	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
83-32-9	Acenaphthene	400	U _{JL}
99-09-2	3-Nitroaniline	1000	U _{JL}
51-28-5	2,4-Dinitrophenol	1000	U _{JL}
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U _{JL}

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB23:6-7'

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
 Matrix: (soil/water) SOIL Lab Sample ID: 212860-008
 Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26959.D
 Level: (low/med) LOW Date Received: 6/18/02
 % Moisture: 16.5 decanted:(Y/N) N Date Extracted: 6/27/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.19

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	1000	UJL, UJc
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
84-66-2	Diethylphthalate	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	UJc
86-30-6	n-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	UJL, UJc
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	800	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	UJc
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
62-75-9	N-Nitrosodimethylamine	400	U
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB23:6-7'

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
Matrix: (soil/water) SOIL Lab Sample ID: 212860-008
Sample wt/vol: 30 (g/ml) G Lab File ID: E26959.D
Level: (low/med) LOW Date Received: 6/18/02
% Moisture: 16.5 decanted: (Y/N) N Date Extracted: 6/27/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.19

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.34	21000	JN
2.	unknown	5.29	1500	J

Rm

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB23D:6-7'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-011

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26962.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 19.8 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.6

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	420	U
108-95-2	Phenol	420	U _{JL}
95-57-8	2-Chlorophenol	420	U _{JL}
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U _{JL}
95-50-1	1,2-Dichlorobenzene	420	U
100-51-6	Benzyl alcohol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
95-48-7	2-Methylphenol	420	U
67-72-1	Hexachloroethane	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U _{JL}
106-44-5	4-Methylphenol	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U _{JL}
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U _{JL}
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U _{JL}
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U _{JL}
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
208-96-8	Acenaphthylene	420	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
83-32-9	Acenaphthene	420	U _{JL}
99-09-2	3-Nitroaniline	1000	U _{JL}
51-28-5	2,4-Dinitrophenol	1000	U _{JL}
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U _{JL}

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB23D:6-7'

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
 Matrix: (soil/water) SOIL Lab Sample ID: 212860-011
 Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26962.D
 Level: (low/med) LOW Date Received: 6/18/02
 % Moisture: 19.8 decanted: (Y/N) N Date Extracted: 6/27/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.6

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	1000	U _L , U _{Tc}
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
84-66-2	Diethylphthalate	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U _{Tc}
86-30-6	n-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U _L , U _{Tc}
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	830	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)phthalate	420	U
117-84-0	Di-n-octylphthalate	420	U _{Tc}
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
62-75-9	N-Nitrosodimethylamine	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB23D:6-7'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-011

Sample wt/vol: 30 (g/ml) G Lab File ID: E26962.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 19.8 decanted: (Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.6

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.27	1500	J
2.	unknown	20.69	430	J

Rm

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB24:4.5-5.5

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-009

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26943.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 13.8 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/27/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.53

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	390	U	
108-95-2	Phenol	390	UJL	
95-57-8	2-Chlorophenol	390	UJL	
541-73-1	1,3-Dichlorobenzene	390	U	
106-46-7	1,4-Dichlorobenzene	390	UJm	UJL
95-50-1	1,2-Dichlorobenzene	390	U	
100-51-6	Benzyl alcohol	390	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U	
95-48-7	2-Methylphenol	390	U	
67-72-1	Hexachloroethane	390	U	
621-64-7	N-Nitroso-di-n-propylamine	390	UJm	UJL
106-44-5	4-Methylphenol	390	U	
98-95-3	Nitrobenzene	390	U	
78-59-1	Isophorone	390	U	
88-75-5	2-Nitrophenol	390	U	
105-67-9	2,4-Dimethylphenol	390	U	
111-91-1	bis(2-Chloroethoxy)methane	390	U	
120-83-2	2,4-Dichlorophenol	390	U	
120-82-1	1,2,4-Trichlorobenzene	390	UJm	UJL
91-20-3	Naphthalene	390	U	
106-47-8	4-Chloroaniline	390	U	
87-68-3	Hexachlorobutadiene	390	U	
59-50-7	4-Chloro-3-methylphenol	390	UJL	
91-57-6	2-Methylnaphthalene	390	U	
77-47-4	Hexachlorocyclopentadiene	390	U	
88-06-2	2,4,6-Trichlorophenol	390	U	
95-95-4	2,4,5-Trichlorophenol	390	U	
91-58-7	2-Chloronaphthalene	390	U	
88-74-4	2-Nitroaniline	970	U	
208-96-8	Acenaphthylene	390	U	
131-11-3	Dimethylphthalate	390	U	
606-20-2	2,6-Dinitrotoluene	390	U	
83-32-9	Acenaphthene	390	UJL	
99-09-2	3-Nitroaniline	970	U	
51-28-5	2,4-Dinitrophenol	970	U	
132-64-9	Dibenzofuran	390	U	
121-14-2	2,4-Dinitrotoluene	390	UJL	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB24:4.5-5.5

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-009

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26943.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 13.8 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/27/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.53

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
100-02-7	4-Nitrophenol	970	U _{JL}
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
84-66-2	Diethylphthalate	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	n-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	970	U _{JL}
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	780	U _{Jc}
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
62-75-9	N-Nitrosodimethylamine	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB24:4.5-5.5

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-009

Sample wt/vol: 30 (g/ml) G Lab File ID: E26943.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 13.8 decanted: (Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/27/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.53

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.30	1800	J

R_m

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB25:5-6'RR

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-018RR

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26972.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 11 decanted:(Y/N) N Date Extracted: 7/1/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/2/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.39

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	370	UJh	
108-95-2	Phenol	370	U	UJL
95-57-8	2-Chlorophenol	370	U	UJL
541-73-1	1,3-Dichlorobenzene	370	U	
106-46-7	1,4-Dichlorobenzene	370	U	UJL
95-50-1	1,2-Dichlorobenzene	370	U	
100-51-6	Benzyl alcohol	370	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U	
95-48-7	2-Methylphenol	370	U	
67-72-1	Hexachloroethane	370	U	
621-64-7	N-Nitroso-di-n-propylamine	370	U	UJL
106-44-5	4-Methylphenol	370	U	
98-95-3	Nitrobenzene	370	U	
78-59-1	Isophorone	370	U	
88-75-5	2-Nitrophenol	370	U	
105-67-9	2,4-Dimethylphenol	370	U	
111-91-1	bis(2-Chloroethoxy)methane	370	U	
120-83-2	2,4-Dichlorophenol	370	U	
120-82-1	1,2,4-Trichlorobenzene	370	U	UJL
91-20-3	Naphthalene	370	U	
106-47-8	4-Chloroaniline	370	U	
87-68-3	Hexachlorobutadiene	370	U	
59-50-7	4-Chloro-3-methylphenol	370	U	UJL
91-57-6	2-Methylnaphthalene	370	U	
77-47-4	Hexachlorocyclopentadiene	370	U	UJc
88-06-2	2,4,6-Trichlorophenol	370	U	
95-95-4	2,4,5-Trichlorophenol	370	U	
91-58-7	2-Chloronaphthalene	370	U	
88-74-4	2-Nitroaniline	940	U	
208-96-8	Acenaphthylene	370	U	
131-11-3	Dimethylphthalate	370	U	
606-20-2	2,6-Dinitrotoluene	370	U	
83-32-9	Acenaphthene	370	U	UJL
99-09-2	3-Nitroaniline	940	U	
51-28-5	2,4-Dinitrophenol	940	U	Rc
132-64-9	Dibenzofuran	370	U	
121-14-2	2,4-Dinitrotoluene	370	UJh	UJL

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB25:5-6'RR

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
 Matrix: (soil/water) SOIL Lab Sample ID: 212860-018RR
 Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26972.D
 Level: (low/med) LOW Date Received: 6/18/02
 % Moisture: 11 decanted:(Y/N) N Date Extracted: 7/1/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/2/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.39

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
100-02-7	4-Nitrophenol	940	U_{Jh}	Rc
86-73-7	Fluorene	370	U _{Jh}	
7005-72-3	4-Chlorophenyl-phenylether	370	U	
84-66-2	Diethylphthalate	370	U	
100-01-6	4-Nitroaniline	940	U	
534-52-1	4,6-Dinitro-2-methylphenol	940	U	
86-30-6	n-Nitrosodiphenylamine (1)	370	U	
101-55-3	4-Bromophenyl-phenylether	370	U	
118-74-1	Hexachlorobenzene	370	U _{Jh}	
87-86-5	Pentachlorophenol	940	U	Rc
85-01-8	Phenanthrene	370	U _{Jh}	
120-12-7	Anthracene	370	U	
84-74-2	Di-n-butylphthalate	370	U	
206-44-0	Fluoranthene	370	U	
129-00-0	Pyrene	370	U	
85-68-7	Butylbenzylphthalate	370	U	
91-94-1	3,3'-Dichlorobenzidine	750	U	
56-55-3	Benzo(a)anthracene	370	U	
218-01-9	Chrysene	370	U	
117-81-7	bis(2-Ethylhexyl)phthalate	370	U	
117-84-0	Di-n-octylphthalate	370	U	
205-99-2	Benzo(b)fluoranthene	370	U	
207-08-9	Benzo(k)fluoranthene	370	U	
50-32-8	Benzo(a)pyrene	370	U	
193-39-5	Indeno(1,2,3-cd)pyrene	370	U	
62-75-9	N-Nitrosodimethylamine	370	U	
53-70-3	Dibenz(a,h)anthracene	370	U	
191-24-2	Benzo(g,h,i)perylene	370	U _{Jh}	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB25:5-6'RR

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-018RR

Sample wt/vol: 30 (g/ml) G Lab File ID: E26972.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 11 decanted: (Y/N) N Date Extracted: 7/1/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/2/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.39

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.27	1600	J

R_m

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB26:5-6'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-020

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26973.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 10.1 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/2/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.48

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	370	U
108-95-2	Phenol	370	U _{JL}
95-57-8	2-Chlorophenol	370	U _{JL}
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U _{JL}
95-50-1	1,2-Dichlorobenzene	370	U
100-51-6	Benzyl alcohol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
95-48-7	2-Methylphenol	370	U
67-72-1	Hexachloroethane	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U _{JL}
106-44-5	4-Methylphenol	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U _{JL}
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U _{JL}
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U _{JL}
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
208-96-8	Acenaphthylene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
83-32-9	Acenaphthene	370	U _{JL}
99-09-2	3-Nitroaniline	930	U
51-28-5	2,4-Dinitrophenol	930	U R _C
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U _{JL}

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB26:5-6'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-020

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26973.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 10.1 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/2/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.48

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	930	UJL <i>Rc</i>
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
84-66-2	Diethylphthalate	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	n-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	UJL <i>Rc</i>
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	740	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
62-75-9	N-Nitrosodimethylamine	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB26:5-6'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-020

Sample wt/vol: 30 (g/ml) G Lab File ID: E26973.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 10.1 decanted: (Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/2/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.48

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.25	870	J
2.	unknown	18.53	260	J
3. 000630-06-8	Hexatriacontane	20.72	200	JN

Rm

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB27:6-7.5RR

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
 Matrix: (soil/water) SOIL Lab Sample ID: 212860-002RR
 Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26971.D
 Level: (low/med) LOW Date Received: 6/18/02
 % Moisture: 15.6 decanted: (Y/N) N Date Extracted: 7/1/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/2/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.45

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	400	U _h	
108-95-2	Phenol	400	U	U _{TL}
95-57-8	2-Chlorophenol	400	U	U _{TL}
541-73-1	1,3-Dichlorobenzene	400	U	
106-46-7	1,4-Dichlorobenzene	400	U	U _{TL}
95-50-1	1,2-Dichlorobenzene	400	U	
100-51-6	Benzyl alcohol	400	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U	
95-48-7	2-Methylphenol	400	U	
67-72-1	Hexachloroethane	400	U	
621-64-7	N-Nitroso-di-n-propylamine	400	U	U _{TL}
106-44-5	4-Methylphenol	400	U	
98-95-3	Nitrobenzene	400	U	
78-59-1	Isophorone	400	U	
88-75-5	2-Nitrophenol	400 U _h	U	Rejection
105-67-9	2,4-Dimethylphenol	400	U	
111-91-1	bis(2-Chloroethoxy)methane	400	U	
120-83-2	2,4-Dichlorophenol	400	U	
120-82-1	1,2,4-Trichlorobenzene	400	U	U _{TL}
91-20-3	Naphthalene	400	U	
106-47-8	4-Chloroaniline	400	U	
87-68-3	Hexachlorobutadiene	400	U	
59-50-7	4-Chloro-3-methylphenol	400	U	U _{TL}
91-57-6	2-Methylnaphthalene	400	U	
77-47-4	Hexachlorocyclopentadiene	400	U	U _{TL}
88-06-2	2,4,6-Trichlorophenol	400	U	
95-95-4	2,4,5-Trichlorophenol	400	U	
91-58-7	2-Chloronaphthalene	400	U	
88-74-4	2-Nitroaniline	990	U	
208-96-8	Acenaphthylene	400	U	
131-11-3	Dimethylphthalate	400	U	
606-20-2	2,6-Dinitrotoluene	400	U	
83-32-9	Acenaphthene	400	U	U _{TL}
99-09-2	3-Nitroaniline	990	U	
51-28-5	2,4-Dinitrophenol	990	U	Re
132-64-9	Dibenzofuran	400	U	
121-14-2	2,4-Dinitrotoluene	400	U _h	U _{TL}

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB27:6-7.5RR

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-002RR

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26971.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 15.6 decanted:(Y/N) N Date Extracted: 7/1/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/2/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.45

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	990	U_{th} <i>Rc</i>
86-73-7	Fluorene	400	U <i>U_{th}</i>
7005-72-3	4-Chlorophenyl-phenylether	400	U
84-66-2	Diethylphthalate	400	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	n-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	990	U <i>Rc</i>
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	790	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
62-75-9	N-Nitrosodimethylamine	400	U
53-70-3	Dibenz(a,h)anthracene	400	U ↓
191-24-2	Benzo(g,h,i)perylene	400	U _{th}

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB27:6-7.5RR

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-002RR

Sample wt/vol: 30 (g/ml) G Lab File ID: E26971.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 15.6 decanted: (Y/N) N Date Extracted: 7/1/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/2/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.45

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 000597-76-2	3-Hexanol, 3-ethyl-	4.84	340	JN	Jh
2.	unknown	5.27	1700	J	Rm

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB27D:6-7.5'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-003

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26942.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 17.5 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/27/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	410	U
108-95-2	Phenol	410	UJL
95-57-8	2-Chlorophenol	410	UJL
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	UJL
95-50-1	1,2-Dichlorobenzene	410	U
100-51-6	Benzyl alcohol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
95-48-7	2-Methylphenol	410	U
67-72-1	Hexachloroethane	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	UJL
106-44-5	4-Methylphenol	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	UJL
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	UJL
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
208-96-8	Acenaphthylene	410	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
83-32-9	Acenaphthene	410	UJL
99-09-2	3-Nitroaniline	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	UJL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB27D:6-7.5'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-003

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26942.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 17.5 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/27/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	1000	U _{JL}
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
84-66-2	Diethylphthalate	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U _{JL}
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	810	U _{JL}
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)phthalate	410	U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
62-75-9	N-Nitrosodimethylamine	410	U
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB27D:6-7.5'

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
 Matrix: (soil/water) SOIL Lab Sample ID: 212860-003
 Sample wt/vol: 30 (g/ml) G Lab File ID: E26942.D
 Level: (low/med) LOW Date Received: 6/18/02
 % Moisture: 17.5 decanted: (Y/N) N Date Extracted: 6/27/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/27/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.28	1700	J

Rm

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB28:7-8'

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) SOIL Lab Sample ID: 212860-006

Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26954.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: 12.7 decanted:(Y/N) N Date Extracted: 6/27/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.58

CONCENTRATION UNITS:

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

111-44-4	bis(2-Chloroethyl)ether	380	U
108-95-2	Phenol	380	UJL
95-57-8	2-Chlorophenol	380	UJL
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	UJL
95-50-1	1,2-Dichlorobenzene	380	U
100-51-6	Benzyl alcohol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
95-48-7	2-Methylphenol	380	U
67-72-1	Hexachloroethane	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	UJL
106-44-5	4-Methylphenol	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	UJL
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	UJL
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	UJL
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	UJL
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
208-96-8	Acenaphthylene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
83-32-9	Acenaphthene	380	UJL
99-09-2	3-Nitroaniline	960	UJL
51-28-5	2,4-Dinitrophenol	960	UJL
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	UJL

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB28:7-8'

Lab Name: STL Newburgh Contract: 01012.01
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
 Matrix: (soil/water) SOIL Lab Sample ID: 212860-006
 Sample wt/vol: 30.0 (g/ml) G Lab File ID: E26954.D
 Level: (low/med) LOW Date Received: 6/18/02
 % Moisture: 12.7 decanted:(Y/N) N Date Extracted: 6/27/02
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.58

CONCENTRATION UNITS:

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

100-02-7	4-Nitrophenol	960	UJL
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
84-66-2	Diethylphthalate	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	UJL
86-30-6	n-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	UJL
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	770	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	UJL
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
62-75-9	N-Nitrosodimethylamine	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB28:7-8'

Lab Name: STL Newburgh Contract: 01012.01
Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860
Matrix: (soil/water) SOIL Lab Sample ID: 212860-006
Sample wt/vol: 30 (g/ml) G Lab File ID: E26954.D
Level: (low/med) LOW Date Received: 6/18/02
% Moisture: 12.7 decanted: (Y/N) N Date Extracted: 6/27/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/28/02
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.58

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.31	2000	J <i>Rm</i>

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RBSB-61302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-029

Sample wt/vol: 965.0 (g/ml) ML Lab File ID: E26918.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 6/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/25/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
111-44-4	bis(2-Chloroethyl)ether	10	U _h
108-95-2	Phenol	10	U R _s
95-57-8	2-Chlorophenol	10	U R _s
541-73-1	1,3-Dichlorobenzene	10	U _h
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U _h
95-48-7	2-Methylphenol	10	U R _s
67-72-1	Hexachloroethane	10	U _h
621-64-7	N-Nitroso-di-n-propylamine	10	U _h
106-44-5	4-Methylphenol	10	U R _s
98-95-3	Nitrobenzene	10	U _h
78-59-1	Isophorone	10	U _h
88-75-5	2-Nitrophenol	10	U R _s
105-67-9	2,4-Dimethylphenol	10	U R _s
111-91-1	bis(2-Chloroethoxy)methane	10	U _h
120-83-2	2,4-Dichlorophenol	10	U R _s
120-82-1	1,2,4-Trichlorobenzene	10	U _h
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U _h U _h U _h
87-68-3	Hexachlorobutadiene	10	U _h
59-50-7	4-Chloro-3-methylphenol	10	U R _s
91-57-6	2-Methylnaphthalene	10	U _h
77-47-4	Hexachlorocyclopentadiene	10	U _h U _h U _h
88-06-2	2,4,6-Trichlorophenol	10	U R _s
95-95-4	2,4,5-Trichlorophenol	10	U R _s
91-58-7	2-Chloronaphthalene	10	U _h
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	U _h U _h U _h
51-28-5	2,4-Dinitrophenol	26	U R _s
132-64-9	Dibenzofuran	10	U _h
121-14-2	2,4-Dinitrotoluene	10	U _h

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RBSB-61302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-029

Sample wt/vol: 965.0 (g/ml) ML Lab File ID: E26918.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 6/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/25/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	26	U <i>Rs</i>
86-73-7	Fluorene	10	<i>UJh</i>
7005-72-3	4-Chlorophenyl-phenylether	10	<i>U</i>
84-66-2	Diethylphthalate	10	<i>U</i>
100-01-6	4-Nitroaniline	26	<i>UJh</i>
534-52-1	4,6-Dinitro-2-methylphenol	26	U <i>Rs</i>
86-30-6	n-Nitrosodiphenylamine (1)	10	<i>UJh</i>
101-55-3	4-Bromophenyl-phenylether	10	<i>UJh</i>
118-74-1	Hexachlorobenzene	10	<i>UJh</i>
87-86-5	Pentachlorophenol	26	U <i>Rs</i>
85-01-8	Phenanthrene	10	<i>UJh</i>
120-12-7	Anthracene	10	<i>U</i>
84-74-2	Di-n-butylphthalate	10	<i>U</i>
206-44-0	Fluoranthene	10	<i>U</i>
129-00-0	Pyrene	10	<i>U</i>
85-68-7	Butylbenzylphthalate	10	<i>U</i>
91-94-1	3,3'-Dichlorobenzidine	21	<i>U</i> <i>UJc</i>
56-55-3	Benzo(a)anthracene	10	<i>U</i>
218-01-9	Chrysene	10	<i>U</i>
117-81-7	bis(2-Ethylhexyl)phthalate	10	<i>U</i>
117-84-0	Di-n-octylphthalate	10	<i>U</i> <i>UJc</i>
205-99-2	Benzo(b)fluoranthene	10	<i>U</i>
207-08-9	Benzo(k)fluoranthene	10	<i>U</i>
50-32-8	Benzo(a)pyrene	10	<i>U</i>
193-39-5	Indeno(1,2,3-cd)pyrene	10	<i>U</i>
62-75-9	N-Nitrosodimethylamine	10	<i>U</i>
53-70-3	Dibenz(a,h)anthracene	10	<i>U</i> <i>UJc</i>
191-24-2	Benzo(g,h,i)perylene	10	<i>UJh</i>

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RBSB-61302

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-029

Sample wt/vol: 965 (g/ml) ML Lab File ID: E26918.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 6/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/25/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 20 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C14H22O isomer	14.57	14	J
2. 025154-52-3	Phenol, nonyl-	14.65	15	JN
3.	C14H22O isomer	14.73	13	J
4.	C14H22O isomer	15.01	15	J
5. 000110-27-0	Isopropyl Myristate	15.61	11	JN
6.	unknown CnH2n+2O	16.14	67	J
7. 000057-10-3	Hexadecanoic acid	17.35	360	JN
8.	unknown	17.62	12	J
9. 000629-94-7	Heneicosane	17.90	10	JN
10.	unknown CnH2n+2	18.65	29	J
11. 000057-11-4	Octadecanoic acid	18.81	26	JN
12.	unknown CnH2n+2	19.38	38	J
13. 005466-77-3	2-Propenoic acid, 3-(4-methoxyp	19.62	250	JN
14.	unknown CnH2n+2	20.08	37	J
15.	unknown CnH2n+2	20.75	42	J
16.	unknown CnH2n+2	21.39	34	J
17. 000630-06-8	Hexatriacontane	22.02	52	JN
18. 000630-06-8	Hexatriacontane	22.62	45	JN
19. 000630-06-8	Hexatriacontane	23.20	77	JN
20. 000538-23-8	Glycerol tricaprylate	23.41	15	JN

Jh

Rm

Jh

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RBSB-61402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-030

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: E26919.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 6/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/25/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U Rs
95-57-8	2-Chlorophenol	10	U Rs
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U Rs
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U Rs
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U Rs
105-67-9	2,4-Dimethylphenol	10	U Rs
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U Rs
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	UJc
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U Rs
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	UJc
88-06-2	2,4,6-Trichlorophenol	10	U Rs
95-95-4	2,4,5-Trichlorophenol	10	U Rs
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	26	UJc
51-28-5	2,4-Dinitrophenol	26	U Rs
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RBSB-61402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-030

Sample wt/vol: 970.0 (g/ml) ML Lab File ID: E26919.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 6/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/25/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
100-02-7	4-Nitrophenol	26	U <i>Rs</i>
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U <i>Rs</i>
86-30-6	n-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U <i>Rs</i>
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	<i>U</i> <i>Ic</i>
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	<i>U</i> <i>Ic</i>
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
62-75-9	N-Nitrosodimethylamine	10	U
53-70-3	Dibenz(a,h)anthracene	10	<i>U</i> <i>Ic</i>
191-24-2	Benzo(g,h,i)perylene	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RBSB-61402

Lab Name: STL Newburgh Contract: 01012.01

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 212860

Matrix: (soil/water) WATER Lab Sample ID: 212860-030

Sample wt/vol: 970 (g/ml) ML Lab File ID: E26919.D

Level: (low/med) LOW Date Received: 6/18/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 6/21/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/25/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 12 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	14.48	3	J
2.	C14H22O isomer	14.57	14	J
3.	C15H24O isomer	14.64	14	J
4.	C15H24O isomer	14.68	6	J
5.	C14H22O isomer	14.72	13	J
6.	unknown	14.83	5	J
7.	unknown	14.86	3	J
8.	C15H24O isomer	14.92	10	J
9.	C14H22O isomer	15.01	15	J
10.	unknown	15.08	8	J
11. 000057-10-3	Hexadecanoic acid	17.28	3	JN
12.	unknown Hexadecane	21.70	10	J

Rm

LABORATORY TEST RESULTS										
Job Number: 212860		Date:08/22/2002								
CUSTOMER: Aneptek Corporation		PROJECT: STRATTON ANGB 01012								
		ATTN: Jeff Donovan								
Customer Sample ID: SB-17-61402 5-6 FT		Laboratory Sample ID: 212860-24								
Date Sampled.....: 06/14/2002		Date Received.....: 06/18/2002								
Time Sampled.....: 11:20		Time Received.....: 12:00								
Sample Matrix.....: Soil										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.51	U	0.51	1.3	1	mg/Kg		07/24/02	h9g
SW846 7471A	Mercury (Hg)*	0.12	U	0.12	0.12	1	mg/Kg		06/21/02	clf
EPA 160.3	% Moisture	21.9			0.1	1	%		06/18/02	lla
EPA 160.3	% Solids	78.1			0.100	1	%		06/18/02	lla
SW846 6010B	Metals Analysis (ICAP)									
	Aluminum (Al)*	20400		8.0	51.2	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	1.4 UJm	U	1.4	15.4	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	9.5 Jb		0.67	2.6	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	148		0.17	51.2	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	1.1	B	0.058	1.3	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	0.66 Jb	B	0.12	1.3	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	591		13.2	128	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	26.6		0.21	2.6	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	16.4		0.63	12.8	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	33.9		1.8	6.4	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	37000		1.7	25.6	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	12.4		0.75	1.3	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	5800		3.9	128	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	666		0.47	2.6	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	38.3		3.9	10.2	1	mg/Kg		07/30/02	mad
	Potassium (K)*	2420		18.1	256	2,000	mg/Kg		07/31/02	mad
	Sodium (Na)*	194 UJm, UJb		55.7	128	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.40 UJb	U	0.40	2.6	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*	0.93	U	0.93	2.6	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 212860					Date:08/22/2002					
CUSTOMER: Aneptek Corporation					PROJECT: STRATION ANGB 01012.					
CUSTOMER: Aneptek Corporation					ATTN: Jeff Donovan					
Laboratory Sample ID: 212860-24										
Date Sampled.....: 06/14/2002										
Date Received.....: 06/18/2002										
Time Sampled.....: 11:20										
Time Received.....: 12:00										
Sample Matrix.....: Soil										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)* Zinc (Zn)*	35.7		0.96	12.8	1	mg/Kg		07/30/02	mad
		85.9		4.6	5.1	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

Job Number: 212860

LABORATORY TEST RESULTS

Date:08/22/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATION ANGB 01012

ATTN: Jeff Donovan

Customer Sample ID: SB-18-61402 2-4 FT

Date Sampled.....: 06/14/2002

Time Sampled.....: 10:46

Sample Matrix.....: Soil

Laboratory Sample ID: 212860-22

Date Received.....: 06/18/2002

Time Received.....: 12:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.53	U	0.53	1.3	1	mg/Kg		07/24/02	h jg
SW846 7471A	Mercury (Hg)*	0.13	U	0.13	0.13	1	mg/Kg		06/21/02	cl f
EPA 160.3	% Moisture	24.0			0.1	1	%		06/18/02	lla
EPA 160.3	% Solids	76.0			0.100	1	%		06/18/02	lla
SW846 6010B	Metals Analysis (ICAP)									
	Aluminum (Al)*	27700	U	8.2	52.6	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	1.4 U _m		1.4	15.8	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	8.5 J _b		0.69	2.6	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	286		0.17	52.6	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	1.5		0.060	1.3	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	0.69 J _b		0.13	1.3	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	1880		13.6	132	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	32.6		0.22	2.6	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	9.9		0.65	13.2	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	30.0		1.8	6.6	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	40500		1.7	26.3	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	12.1		0.77	1.3	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	6870		4.0	132	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	215		0.49	2.6	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	39.4		4.0	10.5	1	mg/Kg		07/30/02	mad
	Potassium (K)*	2650		18.6	263	2.000	mg/Kg		07/31/02	mad
	Sodium (Na)*	220 U _m	U _{Jb}	57.2	132	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.41 U _{Fe}	U _{Jb}	0.41	2.6	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*	0.96	U	0.96	2.6	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 212860		Date:08/22/2002								
CUSTOMER: Aneptek Corporation		PROJECT: STRATTON ANGB 01012.								
Customer Sample ID: SB-18-61402 2-4 FT Date Sampled.....: 06/14/2002 Time Sampled.....: 10:46 Sample Matrix.....: Soil		Laboratory Sample ID: 212860-22 Date Received.....: 06/18/2002 Time Received.....: 12:00								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)*	38.5		0.98	13.2	1	mg/Kg		07/30/02	mad
	Zinc (Zn)*	96.2		4.7	5.3	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212860

Date: 08/22/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB 01012

ATTN: Jeff Donovan

Customer Sample ID: SB-19-61402 7-8 FT
Date Sampled.....: 06/14/2002
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212860-26
Date Received.....: 06/18/2002
Time Received.....: 12:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.45	U	0.45	1.1	1	mg/Kg		07/24/02	hig
SW846 7471A	Mercury (Hg)*	0.10	U	0.10	0.10	1	mg/Kg		06/21/02	clf
EPA 160.3	% Moisture	11.4			0.1	1	%		06/18/02	lla
EPA 160.3	% Solids	88.6			0.100	1	%		06/18/02	lla
SW846 6010B	Metals Analysis (ICAP)									
	Aluminum (Al)*	14100	U	7.0	45.1	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	1.2	U	1.2	13.5	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	13.8	U	0.59	2.3	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	74.1		0.15	45.1	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	0.90	U	0.051	1.1	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	0.70	U	0.11	1.1	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	11.7		11.7	113	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	24.8		0.19	2.3	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	22.0		0.56	11.3	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	48.3		1.6	5.6	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	38500		1.5	22.6	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	22.8		0.66	1.1	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	7080		3.4	113	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	783		0.42	2.3	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	50.5		3.4	9.0	1	mg/Kg		07/30/02	mad
	Potassium (K)*	2050		16.0	226	2.000	mg/Kg		07/31/02	mad
	Sodium (Na)*	93.3	U	49.1	113	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.35	U	0.35	2.3	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*	0.82	U	0.82	2.3	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 212860				Date:08/22/2002							
CUSTOMER: Aneptek Corporation				PROJECT: STRATION ANGB 01012.							
Customer Sample ID: SB-19-61402 7-8 FT Date Sampled.....: 06/14/2002 Time Sampled.....: 12:00 Sample Matrix.....: Soil				Laboratory Sample ID: 212860-26 Date Received.....: 06/18/2002 Time Received.....: 12:00							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)* Zinc (Zn)*	22.1 109			0.84 4.0	11.3 4.5	1 1	mg/Kg mg/Kg		07/30/02 07/30/02	mad mad

* In Description = Dry Wgt.

Job Number: 212860

LABORATORY TEST RESULTS

Date:08/22/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB 01012

ATTN: Jeff Donovan

Customer Sample ID: SB-20-61402 4.5-5.5 FT

Date Sampled.....: 06/14/2002

Time Sampled.....: 12:20

Sample Matrix.....: Soil

Laboratory Sample ID: 212860-28

Date Received.....: 06/18/2002

Time Received.....: 12:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.45	U		0.45	1.1	1	mg/Kg		07/24/02	h jg
SW846 7471A	Mercury (Hg)*	0.11	U	N	0.11	0.11	1	mg/Kg		06/21/02	cl f
EPA 160.3	% Moisture	10.7				0.1	1	%		06/18/02	lla
EPA 160.3	% Solids	89.3				0.100	1	%		06/18/02	lla
SW846 6010B	Metals Analysis (ICAP)										
	Aluminum (Al)*	13800			7.0	44.8	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	1.2 UJm	U	N	1.2	13.4	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	12.8 Jb			0.58	2.2	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	74.3			0.15	44.8	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	0.85			0.051	1.1	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	0.64 Jb			0.11	1.1	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	11.6			11.6	112	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	23.8			0.19	2.2	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	23.1			0.55	11.2	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	42.8			1.6	5.6	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	37300			1.5	22.4	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	19.9			0.66	1.1	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	6490			3.4	112	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	887			0.42	2.2	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	42.7			3.4	9.0	1	mg/Kg		07/30/02	mad
	Potassium (K)*	2420			52.2	224	1	mg/Kg		08/01/02	mad
	Sodium (Na)*	145 UJm	UJb		48.7	112	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.35 UJm	U		0.35	2.2	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*	0.81	U	*	0.81	2.2	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 212860					Date:08/22/2002					
CUSTOMER: Aneptek Corporation					PROJECT: STRATTON ANGB 01012.					
ATTN: Jeff Dorovan										
Customer Sample ID: SB-20-61402 4.5-5.5 FT					Laboratory Sample ID: 212860-28					
Date Sampled.....: 06/14/2002					Date Received.....: 06/18/2002					
Time Sampled.....: 12:20					Time Received.....: 12:00					
Sample Matrix.....: Soil										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)*	22.2		0.84	11.2	1	mg/Kg		07/30/02	mad
	Zinc (Zn)*	91.2		4.0	4.5	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS									
Job Number: 212860				Date:08/22/2002					
CUSTOMER: Aneptek Corporation				PROJECT: STRATTON ANGB 01012.					
				ATTN: Jeff Donovan					
Customer Sample ID: SB-21-61402 7-8 FT				Laboratory Sample ID: 212860-14					
Date Sampled.....: 06/14/2002				Date Received.....: 06/18/2002					
Time Sampled.....: 10:00				Time Received.....: 12:00					
Sample Matrix.....: Soil									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE
SW846 7740	Selenium (Se)*	0.47	U	0.47	1.2	1	mg/Kg		07/24/02
SW846 7471A	Mercury (Hg)*	0.12	U	0.12	0.12	1	mg/Kg		06/21/02
EPA 160.3	% Moisture	15.2			0.1	1	%		06/18/02
EPA 160.3	% Solids	84.8			0.100	1	%		06/18/02
SW846 6010B	Metals Analysis (ICAP)								
	Aluminum (Al)*	13400		7.3	47.2	1	mg/Kg		07/30/02
	Antimony (Sb)*	1.3 U ^m	U	1.3	14.2	1	mg/Kg		07/30/02
	Arsenic (As)*	6.3 J ^b		0.61	2.4	1	mg/Kg		07/30/02
	Barium (Ba)*	101		0.16	47.2	1	mg/Kg		07/30/02
	Beryllium (Be)*	0.84	J	0.054	1.2	1	mg/Kg		07/30/02
	Cadmium (Cd)*	0.34 J ^b	J	0.11	1.2	1	mg/Kg		07/30/02
	Calcium (Ca)*	12.2	U	12.2	118	1	mg/Kg		07/30/02
	Chromium (Cr)*	19.5		0.20	2.4	1	mg/Kg		07/30/02
	Cobalt (Co)*	9.1	J	0.58	11.8	1	mg/Kg		07/30/02
	Copper (Cu)*	35.8		1.6	5.9	1	mg/Kg		07/30/02
	Iron (Fe)*	24800		1.6	23.6	1	mg/Kg		07/30/02
	Lead (Pb)*	13.3		0.69	1.2	1	mg/Kg		07/30/02
	Magnesium (Mg)*	3460		3.6	118	1	mg/Kg		07/30/02
	Manganese (Mn)*	751		0.44	2.4	1	mg/Kg		07/30/02
	Nickel (Ni)*	30.1		3.6	9.4	1	mg/Kg		07/30/02
	Potassium (K)*	1970		8.3	118	1	mg/Kg		07/30/02
	Sodium (Na)*	99.9 U ^m	J U ^b	51.3	118	1	mg/Kg		07/30/02
	Silver (Ag)*	0.37 U ^b	U	0.37	2.4	1	mg/Kg		07/30/02
	Thallium (Tl)*	0.86	U	0.86	2.4	1	mg/Kg		07/30/02

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 212860		Date:08/22/2002								
CUSTOMER: Aneptek Corporation		PROJECT: STRATION ANGB 01012.				ATTN: Jeff Donovan				
Customer Sample ID: SB-21-61402 7-8 FT Date Sampled.....: 06/14/2002 Time Sampled.....: 10:00 Sample Matrix.....: Soil		Laboratory Sample ID: 212860-14 Date Received.....: 06/18/2002 Time Received.....: 12:00								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)*	28.2		0.88	11.8	1	mg/Kg		07/30/02	mad
	Zinc (Zn)*	68.6		4.2	4.7	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

Job Number: 212860

LABORATORY TEST RESULTS

Date:08/22/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATION ANGB 01012

ATTN: Jeff Donovan

Customer Sample ID: SB-22-61402 5-6 FT

Laboratory Sample ID: 212860-16

Date Sampled: 06/14/2002

Date Received: 06/18/2002

Time Sampled: 09:30

Time Received: 12:00

Sample Matrix: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.47 \overline{Jb}	B	0.47	1.2	1	mg/Kg		07/24/02	hig
SW846 7471A	Mercury (Hg)*	0.11	U	0.11	0.11	1	mg/Kg		06/21/02	clf
EPA 160.3	% Moisture	15.2			0.1	1	%		06/18/02	lla
EPA 160.3	% Solids	84.8			0.100	1	%		06/18/02	lla
SW846 6010B	Metals Analysis (ICAP)	14000								mad
	Aluminum (Al)*	1.3 \overline{Um}	U	7.3	47.2	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	7.8 \overline{Jb}		1.3	14.1	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	99.7		0.61	2.4	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	0.76	B	0.16	47.2	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	0.55 \overline{Jb}	B	0.054	1.2	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	1290		0.11	1.2	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	19.6		12.2	118	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	17.0		0.20	2.4	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	33.0		0.58	11.8	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	27600		1.6	5.9	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	13.3		1.6	23.6	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	5290		0.69	1.2	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	501		3.6	118	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	37.1		0.44	2.4	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	2120		3.6	9.4	1	mg/Kg		07/30/02	mad
	Potassium (K)*	121 \overline{Um} , \overline{Jb}		8.3	118	1	mg/Kg		07/30/02	mad
	Sodium (Na)*	0.37 \overline{UJe}		51.3	118	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.86	U	0.37	2.4	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*			0.86	2.4	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

Job Number: 212860

Date:08/22/2002

LABORATORY TEST RESULTS

CUSTOMER: Aneptek Corporation

PROJECT: STRATION ANGB 01012.

ATTN: Jeff Dohovan

Customer Sample ID: SB-22-61402 5-6 FT

Date Sampled.....: 06/14/2002

Time Sampled.....: 09:30

Sample Matrix.....: Soil

Laboratory Sample ID: 212860-16

Date Received.....: 06/18/2002

Time Received.....: 12:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)*	23.7		0.88	11.8	1	mg/Kg		07/30/02	mad
	Zinc (Zn)*	76.1		4.2	4.7	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 212860		Date:08/22/2002									
CUSTOMER: Aneptek Corporation		PROJECT: STRATTON ANGB 01012									
		ATTN: Jeff Donovan									
Customer Sample ID: SB-23-61302 6-7 FT		Laboratory Sample ID: 212860-8									
Date Sampled.....: 06/13/2002		Date Received.....: 06/18/2002									
Time Sampled.....: 15:00		Time Received.....: 12:00									
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.53 J _Q	B		0.48	1.2	1	mg/Kg		07/24/02	hig
SW846 7471A	Mercury (Hg)*	0.11	U	M	0.11	0.11	1	mg/Kg		06/21/02	clf
EPA 160.3	% Moisture	16.5				0.1	1	%		06/18/02	lla
EPA 160.3	% Solids	83.5				0.100	1	%		06/18/02	lla
SW846 6010B	Metals Analysis (ICAP)										
	Aluminum (Al)*	13100			7.5	47.9	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	1.3 U _J M _U		M	1.3	14.4	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	8.2 J _b			0.62	2.4	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	89.2			0.16	47.9	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	0.76	B		0.054	1.2	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	0.51 J _b	B		0.11	1.2	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	2130 J _P			12.4	120	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	19.3			0.20	2.4	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	12.5			0.59	12.0	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	28.4			1.7	6.0	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	27400			1.6	23.9	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	13.1			0.70	1.2	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	5090			3.6	120	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	507			0.44	2.4	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	29.4			3.6	9.6	1	mg/Kg		07/30/02	mad
	Potassium (K)*	1920			8.5	120	1	mg/Kg		07/30/02	mad
	Sodium (Na)*	108 U _M			52.1	120	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.37 U _J	U	M U _J B	0.37	2.4	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*	0.87	U	P	0.87	2.4	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 212860				Date:08/22/2002							
CUSTOMER: Aneptek Corporation				PROJECT: STRATTON ANGB 01012.							
ATTN: Jeff Donovan											
Customer Sample ID: SB-23-61302 6-7 FT				Laboratory Sample ID: 212860-8							
Date Sampled.....: 06/13/2002				Date Received.....: 06/18/2002							
Time Sampled.....: 15:00				Time Received.....: 12:00							
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)*	24.5			0.89	12.0	1	mg/Kg		07/30/02	mad
	Zinc (Zn)*	69.5			4.3	4.8	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

Job Number: 212860

LABORATORY TEST RESULTS

Date:08/22/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB 01012.

ATTN: Jeff Donovan

Customer Sample ID: SB-23D-61302 6-7 FT

Date Sampled.....: 06/13/2002

Time Sampled.....: 15:05

Sample Matrix.....: Soil

Laboratory Sample ID: 212860-11

Date Received.....: 06/18/2002

Time Received.....: 12:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.50	U	0.50	1.2	1	mg/Kg		07/24/02	h9
SW846 7471A	Mercury (Hg)*	0.12	U	0.12	0.12	1	mg/Kg		06/21/02	clf
EPA 160.3	% Moisture	19.8			0.1	1	%		06/19/02	clf
EPA 160.3	% Solids	80.2			0.100	1	%		06/19/02	clf
SW846 6010B	Metals Analysis (ICAP)									
	Aluminum (Al)*	14600		7.8	49.9	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	1.3 U _{TM}	U	1.3	15.0	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	4.5		0.65	2.5	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	114		0.17	49.9	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	0.78	B	0.057	1.2	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	0.46	B	0.12	1.2	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	659 J _F		12.9	125	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	20.3		0.21	2.5	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	13.1		0.62	12.5	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	17.7		1.7	6.2	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	22100		1.6	25.0	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	16.7		0.73	1.2	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	3730		3.8	125	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	464		0.46	2.5	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	22.9		3.8	10	1	mg/Kg		07/30/02	mad
	Potassium (K)*	1610		8.8	125	1	mg/Kg		07/30/02	mad
	Sodium (Na)*	647 U _#		54.3	125	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.39 U _{TM}	U	0.39	2.5	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*	0.91	U	0.91	2.5	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 212860					Date: 08/22/2002						
CUSTOMER: Aneptek Corporation					PROJECT: STRATTON ANGB 01012.						
Customer Sample ID: SB-23D-61302 6-7 FT Date Sampled.....: 06/13/2002 Time Sampled.....: 15:05 Sample Matrix.....: Soil					Laboratory Sample ID: 212860-11 Date Received.....: 06/18/2002 Time Received.....: 12:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)* Zinc (Zn)*	28.9 73.7			0.93 4.4	12.5 5.0	1 1	mg/Kg mg/Kg		07/30/02 07/30/02	mad mad

* In Description = Dry Wgt.

Job Number: 212860

Customer: Aneptek Corporation

LABORATORY TEST RESULTS

Date:08/22/2002

PROJECT: STRATION ANGB 01012.

ATTN: Jeff Donovan

Customer Sample ID: SB-24-61302 4.5-5.5 FT
Date Sampled.....: 06/13/2002
Time Sampled.....: 15:40
Sample Matrix.....: Soil

Laboratory Sample ID: 212860-9
Date Received.....: 06/18/2002
Time Received.....: 12:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.46	U	0.46	1.2	1	mg/Kg		07/24/02	hig
SW846 7471A	Mercury (Hg)*	0.12	U	0.12	0.12	1	mg/Kg		06/21/02	clf
EPA 160.3	% Moisture	13.8			0.1	1	%		06/19/02	clf
EPA 160.3	% Solids	86.2			0.100	1	%		06/19/02	clf
SW846 6010B	Metals Analysis (ICAP)									
	Aluminum (AL)*	14100		7.2	46.4	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	1.2 U _m	U	1.2	13.9	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	15.0 U _b		0.60	2.3	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	94.3		0.15	46.4	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	0.88		0.053	1.2	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	0.78 U _b		0.11	1.2	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	106 U _m		12.0	116	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	23.5		0.19	2.3	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	23.6		0.57	11.6	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	54.7		1.6	5.8	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	38500		1.5	23.2	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	23.6		0.68	1.2	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	6280		3.5	116	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	1030		0.43	2.3	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	68.8		3.5	9.3	1	mg/Kg		07/30/02	mad
	Potassium (K)*	2330		16.4	232	2.000	mg/Kg		07/30/02	mad
	Sodium (Na)*	106 U _m		50.4	116	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.36 U _{Je}	U	0.36	2.3	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*	3.1 U _m		0.84	2.3	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

Job Number: 212860

LABORATORY TEST RESULTS

Date:08/22/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB 01012

ATTN: Jeff Donovan

Customer Sample ID: SB-24-61302 4.5-5.5 FT

Date Sampled.....: 06/13/2002

Time Sampled.....: 15:40

Sample Matrix.....: Soil

Laboratory Sample ID: 212860-9

Date Received.....: 06/18/2002

Time Received.....: 12:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)*	21.8			0.87	11.6	1	mg/Kg		07/30/02	mad
	Zinc (Zn)*	108			4.1	4.6	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 212860		Date:08/22/2002									
CUSTOMER: Aneptek Corporation		PROJECT: STRATTON ANGB 01012									
ATTN: Jeff Donovan											
Customer Sample ID: SB-25-61402 5-6 FT		Laboratory Sample ID: 212860-18									
Date Sampled.....: 06/14/2002		Date Received.....: 06/18/2002									
Time Sampled.....: 08:45		Time Received.....: 12:00									
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.45	U		0.45	1.1	1	mg/Kg		07/24/02	hig
SW846 7471A	Mercury (Hg)*	0.11 \overline{Jm}		N	0.11	0.11	1	mg/Kg		06/21/02	clf
EPA 160.3	% Moisture	11.0				0.1	1	%		06/18/02	lla
EPA 160.3	% Solids	89.0				0.100	1	%		06/18/02	lla
SW846 6010B	Metals Analysis (ICAP)										
	Aluminum (Al)*	14200			7.0	45.0	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	1.2 \overline{Um}	U		1.2	13.5	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	14.5 \overline{Jb}		M	0.59	2.2	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	92.0			0.15	45.0	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	0.89	B		0.051	1.1	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	0.82 \overline{Jb}	B		0.11	1.1	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	204			11.6	112	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	23.3			0.19	2.2	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	23.4			0.56	11.2	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	53.3			1.6	5.6	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	37600			1.5	22.5	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	21.0			0.66	1.1	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	6320			3.4	112	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	1060			0.42	2.2	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	76.5			3.4	9.0	1	mg/Kg		07/30/02	mad
	Potassium (K)*	2170			15.9	225	2.000	mg/Kg		07/30/02	mad
	Sodium (Na)*	97.5 \overline{Um}	B \overline{Jb}		48.9	112	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.35 \overline{Jb}	U		0.35	2.2	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*	0.82	U	*	0.82	2.2	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 212860					Date:08/22/2002					
CUSTOMER: Aneptek Corporation					PROJECT: STRATTON ANGE 01012-					
ATTN: Jeff Donovan										
Customer Sample ID: SB-25-61402 5-6 FT					Laboratory Sample ID: 212860-18					
Date Sampled.....: 06/14/2002					Date Received.....: 06/18/2002					
Time Sampled.....: 08:45					Time Received.....: 12:00					
Sample Matrix.....: Soil										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)*	21.8		0.84	11.2	1	mg/Kg		07/30/02	mad
	Zinc (Zn)*	118		4.0	4.5	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

Job Number: 212860

LABORATORY TEST RESULTS

Date:08/22/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB 01012

ATTN: Jeff Donovan

Customer Sample ID: SB-26-61402 5-6 FT

Date Sampled.....: 06/14/2002

Time Sampled.....: 08:45

Sample Matrix.....: Soil

Laboratory Sample ID: 212860-20

Date Received.....: 06/18/2002

Time Received.....: 12:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.45	U	0.45	1.1	1	mg/Kg		07/24/02	h jg
SW846 7471A	Mercury (Hg)*	0.11	U	0.11	0.11	1	mg/Kg		06/21/02	cl f
EPA 160.3	% Moisture	10.1			0.1	1	%		06/18/02	l l a
EPA 160.3	% Solids	89.9			0.100	1	%		06/18/02	l l a
SW846 6010B	Metals Analysis (ICAP)									
	Aluminum (Al)*	11900		6.9	44.5	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	1.2 U _m	U	1.2	13.4	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	12.8 J _b		0.58	2.2	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	67.1		0.15	44.5	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	0.70	B	0.051	1.1	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	0.50 J _b	B	0.11	1.1	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	198		11.5	111	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	20.5		0.19	2.2	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	12.3		0.55	11.1	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	46.1		1.5	5.6	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	32300		1.5	22.3	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	17.7		0.65	1.1	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	5500		3.4	111	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	358		0.41	2.2	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	37.2		3.4	8.9	1	mg/Kg		07/30/02	mad
	Potassium (K)*	2020		7.9	111	1	mg/Kg		07/30/02	mad
	Sodium (Na)*	92.7 U _m	B U _m	48.4	111	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.35 U _m	U	0.35	2.2	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*	0.81	U	0.81	2.2	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

Date: 08/22/2002

Job Number: 212860

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB 01012.

ATTN: Jeff Dohovan

Customer Sample ID: SB-26-61402 5-6 FT
Date Sampled.....: 06/14/2002
Time Sampled.....: 08:45
Sample Matrix.....: Soil

Laboratory Sample ID: 212860-20
Date Received.....: 06/18/2002
Time Received.....: 12:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)*	19.8			0.83	11.1	1	mg/Kg		07/30/02	mad
	Zinc (Zn)*	85.7			4.0	4.5	1	mg/Kg		07/30/02	mad

* * In Description = Dry Wgt.

Job Number: 212860

LABORATORY TEST RESULTS

Date:08/22/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB 01012.

ATTN: Jeff Donovan

Customer Sample ID: SB-27-61302 6-7.5 FT
Date Sampled.....: 06/13/2002
Time Sampled.....: 13:55
Sample Matrix.....: Soil

Laboratory Sample ID: 212860-2
Date Received.....: 06/18/2002
Time Received.....: 12:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.50 J ₆ , B J _Q		0.47	1.2	1	mg/Kg		07/24/02	hig
SW846 7471A	Mercury (Hg)*	0.11 U		0.11	0.11	1	mg/Kg		06/21/02	clf
EPA 160.3	% Moisture	15.6			0.1	1	%		06/18/02	lla
EPA 160.3	% Solids	84.4			0.100	1	%		06/18/02	lla
SW846 6010B	Metals Analysis (ICAP)									
	Aluminum (Al)*	11500		7.4	47.4	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	1.3 UJ ₆ , U		1.3	14.2	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	11.8 J ₆		0.62	2.4	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	70.9		0.16	47.4	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	0.70		0.054	1.2	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	0.53 J ₆		0.11	1.2	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	390		12.3	119	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	19.9		0.20	2.4	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	16.6		0.59	11.9	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	42.9		1.6	5.9	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	32800		1.6	23.7	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	15.3		0.69	1.2	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	5250		3.6	119	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	680		0.44	2.4	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	39.7		3.6	9.5	1	mg/Kg		07/30/02	mad
	Potassium (K)*	2150		8.4	119	1	mg/Kg		07/30/02	mad
	Sodium (Na)*	89.6 U _m , B UJ ₆		51.5	119	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.37 UJ ₆ , U		0.37	2.4	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*	0.86		0.86	2.4	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 212860					Date: 08/22/2002					
CUSTOMER: Aneprek Corporation					PROJECT: STRATTON ANG 01012					
Customer Sample ID: SB-27-61302 6-7.5 FT Date Sampled.....: 06/13/2002 Time Sampled.....: 13:55 Sample Matrix.....: Soil					Laboratory Sample ID: 212860-2 Date Received.....: 06/18/2002 Time Received.....: 12:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)*	19.7		0.88	11.9	1	mg/Kg		07/30/02	mad
	Zinc (Zn)*	81.5		4.2	4.7	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

Job Number: 212860

LABORATORY TEST RESULTS

Date:08/22/2002

CUSTOMER: Aneptek Corporation

PROJECT: STRATTON ANGB 01012.

ATTN: Jeff Donovan

Customer Sample ID: SB-270-61302 6-7.5 FT

Date Sampled.....: 06/13/2002

Time Sampled.....: 14:00

Sample Matrix.....: Soil

Laboratory Sample ID: 212860-3

Date Received.....: 06/18/2002

Time Received.....: 12:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.56 J _Q	✓	0.49	1.2	1	mg/Kg		07/24/02	h jg
SW846 7471A	Mercury (Hg)*	0.12 U _U	✓	0.12	0.12	1	mg/Kg		07/12/02	lms
EPA 160.3	% Moisture	17.5			0.1	1	%		06/19/02	clf
EPA 160.3	% Solids	82.5			0.100	1	%		06/19/02	clf
SW846 6010B	Metals Analysis (ICAP)									
	Aluminum (Al)*	12500		7.5	48.5	1	mg/Kg		07/30/02	mad
	Antimony (Sb)*	1.3 U _U	✓	1.3	14.6	1	mg/Kg		07/30/02	mad
	Arsenic (As)*	12.4 J _b		0.63	2.4	1	mg/Kg		07/30/02	mad
	Barium (Ba)*	77.6		0.16	48.5	1	mg/Kg		07/30/02	mad
	Beryllium (Be)*	0.81	✓	0.055	1.2	1	mg/Kg		07/30/02	mad
	Cadmium (Cd)*	0.61 J _b	✓	0.12	1.2	1	mg/Kg		07/30/02	mad
	Calcium (Ca)*	414		12.5	121	1	mg/Kg		07/30/02	mad
	Chromium (Cr)*	22.3		0.20	2.4	1	mg/Kg		07/30/02	mad
	Cobalt (Co)*	19.3		0.60	12.1	1	mg/Kg		07/30/02	mad
	Copper (Cu)*	45.5		1.7	6.1	1	mg/Kg		07/30/02	mad
	Iron (Fe)*	36100		1.6	24.3	1	mg/Kg		07/30/02	mad
	Lead (Pb)*	17.4		0.71	1.2	1	mg/Kg		07/30/02	mad
	Magnesium (Mg)*	5810		3.7	121	1	mg/Kg		07/30/02	mad
	Manganese (Mn)*	874		0.45	2.4	1	mg/Kg		07/30/02	mad
	Nickel (Ni)*	44.4		3.7	9.7	1	mg/Kg		07/30/02	mad
	Potassium (K)*	2330		8.6	121	1	mg/Kg		07/30/02	mad
	Sodium (Na)*	93.1 U _m	✓	52.7	121	1	mg/Kg		07/30/02	mad
	Silver (Ag)*	0.38 U _U	✓	0.38	2.4	1	mg/Kg		07/30/02	mad
	Thallium (Tl)*	0.88	✓	0.88	2.4	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 212860					Date:08/22/2002					
CUSTOMER: Aneptek Corporation					PROJECT: STRATTON ANGB 01012.					
ATTN: Jeff Donovan										
Customer Sample ID: SB-270-61302 6-7.5 FT					Laboratory Sample ID: 212860-3					
Date Sampled.....: 06/13/2002					Date Received.....: 06/18/2002					
Time Sampled.....: 14:00					Time Received.....: 12:00					
Sample Matrix.....: Soil										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)*	21.7		0.90	12.1	1	mg/Kg		07/30/02	mad
	Zinc (Zn)*	91.1		4.3	4.9	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

Job Number: 212860

PROJECT: STRATTON ANGB 01012.

Metals Analysis (ICAP)

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 212860					Date:08/22/2002					
CUSTOMER: Aneptek Corporation					PROJECT: STRATION ANCB 01012.					
Laboratory Sample ID: 212860-6 Date Received.....: 06/18/2002 Time Received.....: 12:00					ATTN: Jeff Donovan					
Customer Sample ID: SB-28-61302 7-8 FT Date Sampled.....: 06/13/2002 Time Sampled.....: 14:10 Sample Matrix.....: Soil										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
	Vanadium (V)*	21.0		0.85	11.5	1	mg/Kg		07/30/02	mad
	Zinc (Zn)*	90.8		4.1	4.6	1	mg/Kg		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 212860			Date:08/22/2002							
CUSTOMER: Aneptek Corporation			PROJECT: STRATION ANGB 01012.							
ATTN: Jeff Donovan										
Laboratory Sample ID: 212860-29										
Date Sampled.....: 06/13/2002										
Date Received.....: 06/18/2002										
Time Sampled.....: 16:50										
Time Received.....: 12:00										
Sample Matrix.....: Water.										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/24/02	hjh
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		06/21/02	clf
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	31.1	U	31.1	200	1	ug/L		07/30/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/30/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		07/30/02	mad
	Barium (Ba)	0.66	U	0.66	200	1	ug/L		07/30/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/30/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/30/02	mad
	Calcium (Ca)	242	U	51.7	500	1	ug/L		07/30/02	mad
	Chromium (Cr)	5.3	B	0.83	10.0	1	ug/L		07/30/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		07/30/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		07/30/02	mad
	Iron (Fe)	80.2	U	6.6	60.0	1	ug/L		07/30/02	mad
	Lead (Pb)	2.9	U	2.9	5.0	1	ug/L		07/30/02	mad
	Magnesium (Mg)	19.4 JQ	B	15.1	500	1	ug/L		07/30/02	mad
	Manganese (Mn)	6.0	B	1.9	10.0	1	ug/L		07/30/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/30/02	mad
	Potassium (K)	255	B	35.4	500	1	ug/L		07/30/02	mad
	Silver (Ag)	1.6	U	1.6	10.0	1	ug/L		07/30/02	mad
	Sodium (Na)	2440	U	217	500	1	ug/L		07/30/02	mad
	Thallium (Tl)	5.5 JQ	B	3.6	10.0	1	ug/L		07/30/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/30/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/30/02	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 212860		Date:08/22/2002								
CUSTOMER: Aneptek Corporation		PROJECT: STRATION ANGB 03012.								
		ATTN: Jeff Donovan								
Customer Sample ID: RB-SB-61402		Laboratory Sample ID: 212860-30								
Date Sampled.....: 06/13/2002		Date Received.....: 06/18/2002								
Time Sampled.....: 16:50		Time Received.....: 12:00								
Sample Matrix.....: Water										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	2.0	U	2.0	5.0	1	ug/L		07/24/02	h j9
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		06/21/02	cl f
EPA 200.7	Metals Analysis (ICP)									
	Aluminum (Al)	31.1	U	31.1	200	1	ug/L		07/30/02	mad
	Antimony (Sb)	5.3	U	5.3	60.0	1	ug/L		07/30/02	mad
	Arsenic (As)	2.6	U	2.6	10.0	1	ug/L		07/30/02	mad
	Barium (Ba)	0.66	U	0.66	200	1	ug/L		07/30/02	mad
	Beryllium (Be)	0.23	U	0.23	5.0	1	ug/L		07/30/02	mad
	Cadmium (Cd)	0.48	U	0.48	5.0	1	ug/L		07/30/02	mad
	Calcium (Ca)	51.7	U	51.7	500	1	ug/L		07/30/02	mad
	Chromium (Cr)	0.83	U	0.83	10.0	1	ug/L		07/30/02	mad
	Cobalt (Co)	2.5	U	2.5	50.0	1	ug/L		07/30/02	mad
	Copper (Cu)	6.9	U	6.9	25.0	1	ug/L		07/30/02	mad
	Iron (Fe)	42.7	U	6.6	60.0	1	ug/L		07/30/02	mad
	Lead (Pb)	2.9	U	2.9	5.0	1	ug/L		07/30/02	mad
	Magnesium (Mg)	20.8 JG	U	15.1	500	1	ug/L		07/30/02	mad
	Manganese (Mn)	1.9 JG	U	1.9	10.0	1	ug/L		07/30/02	mad
	Nickel (Ni)	15.2	U	15.2	40.0	1	ug/L		07/30/02	mad
	Potassium (K)	255	U	35.4	500	1	ug/L		07/30/02	mad
	Silver (Ag)	1.6	U	1.6	10.0	1	ug/L		07/30/02	mad
	Sodium (Na)	217	U	217	500	1	ug/L		07/30/02	mad
	Thallium (Tl)	3.6	U	3.6	10.0	1	ug/L		07/30/02	mad
	Vanadium (V)	3.7	U	3.7	50.0	1	ug/L		07/30/02	mad
	Zinc (Zn)	17.8	U	17.8	20.0	1	ug/L		07/30/02	mad

* In Description = Dry Wgt.

APPENDIX B
CHAIN OF CUSTODY

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

REPORT # (Lab Use Only)

SAMPLE TEMP _____
SAMPLE REC'D ON ICE Y _____ N _____
PH CHECK Y _____ N _____
REVIEWED BY _____

NY PUBLIC WATER SUPPLIES
SOURCE ID _____
ELRP TYPE _____
FEDERAL ID _____

REPORT TYPE
STANDARD ☐ ISRA ☐
NJ REG ☐ CLP ☐
NYASP A ☐ B ☒
OTHER _____

TURNAROUND
☒ NORMAL
☐ QUICK
☐ VERBAL

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.										CLIENT I.D.		ANALYSIS REQUESTED										ELRP TYPE		FEDERAL ID	
STL #	SAMPLING DATE	TIME	COMP	GRAB	MATRIX						Total Number of Containers	40ml Glass	HCL	Liter Amber Sulfuric Acid	Liter Amber Organic Washed	Liter Plastic Nitric Acid	Liter Plastic Sodium Hydroxide	Liter Plastic Sulfuric Acid	250ml Plastic	125ml Plastic	Sterile 250ml Amber	2 oz. Qorpak			
ONLY	6/13/02	1355	X	S	SB-27-61302	6-7.5 FT	1																X	8260B VOC	
		↓			SB-27-61302	6-7.5	1															X	8270 SVOC / TAL METALS		
		1400			SB-27D-61302	6-7.5	1															X	TAL METALS / 8270 SVOC		
		↓			SB-27D-61302	6-7.5	1															X	8260B VOC		
USE		1410			SB-28-61302	7-8	1																X	8260B VOC	
		↓			SB-28-61302	7-8	1															X	8270 SVOC / TAL METALS		
		1500			SB-23-61302	6-7	1															X	8270 VOC		
		↓			SB-23-61302	6-7	1															X	8270 SVOC / TAL METALS		
LAB		1540			SB-24-61302	4.5-5.5	1															X	8270 SVOC / TAL METALS m/s/m/s		
		↓			SB-24-61302	4.5-5.5	1															X	8260B VOC m/s/m/s		
		1505			SB-23D-61302	6-7	1															X	8270 SVOC / TAL METALS		
		↓			SB-23D-61302	6-7	1															X	8260B VOC		

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

CUSTOMER NAME
ANEPTER CORP

ADDRESS
408 PLEASANT ST 2ND FLOOR

CITY, STATE, ZIP
WORCESTER MA 01609

NAME OF CONTACT
JEFF DONOVAN

PHONE NO.
508-459-6989

PROJECT LOCATION
SITE 6 STRATTON AVE B SDC

PROJECT NUMBER/PO NO.
01012.01

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECTED TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY Jeff Donovan	COMPANY ANEPTER	DATE 6/12/02	TIME 1510	RECEIVED BY	COMPANY	DATE	TIME
SAMPLED BY Jeff Donovan	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

COMMENTS

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

STL Newburgh

CUSTOMER NAME AMPIER CORP
ADDRESS 408 ALFASANT ST 2ND FL
CITY, STATE, ZIP WORCESTER MA 01609
NAME OF CONTACT JEFF DENOVAN PHONE NO. 508-4596989
PROJECT LOCATION SITE 6 SDC STATION A118
PROJECT NUMBER / PO NO. 01012.01

REPORT TYPE
STANDARD ☐ ISRA ☐
NJ REG ☐
NYASP A ☐ B ☒ CLP ☐
OTHER ☐

TURNAROUND
☒ NORMAL
☐ QUICK
☐ VERBAL

REPORT # (Lab Use Only)

SAMPLE TEMP _____
SAMPLE RECD ON ICE Y _____ N _____
PH CHECK Y _____ N _____
REVIEWED BY _____

NY PUBLIC WATER SUPPLIES
SOURCE ID _____
ELRP TYPE _____
FEDERAL ID _____

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON
RECEIPT MUST BE 4° ± 2°C.

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

ELMP TYPE
FEDERAL ID

STL #

SAMPLING DATE
TIME
AM PM

COMP

GRAB

MATRIX

CLIENT I.D.

Total Number of Containers

40ml Glass HCL

Liter Amber Sulfuric Acid

Liter Amber Organic Washed

Liter Plastic Nitric Acid

Liter Plastic Sodium Hydroxide

Liter Plastic Sulfuric Acid

250ml Plastic Sulfuric Acid

125ml Plastic Sterile

2oz Gopak

ANALYSIS REQUESTED

8260

8270 / TAL METALS

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SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY Jeff Donovan COMPANY Amper Corp RECEIVED BY _____ DATE 6/11/02 TIME 1330

SAMPLED BY Jeff Donovan COMPANY Amper Corp RECEIVED BY _____ DATE _____ TIME _____

RELINQUISHED BY _____ COMPANY _____ RECEIVED BY _____ DATE _____ TIME _____

COMMENTS

CHAIN OF CUSTODY

COPY

315 Fullerton Avenue
Newburgh, N.Y. 12550
TEL (845) 562-0890
FAX (845) 562-0841

CUSTOMER NAME **ANEPTEK**

ADDRESS **408 Pleasant St 2nd Fl**

CITY, STATE, ZIP **Worcester MA 01609**

NAME OF CONTACT **JEFF Donovan** PHONE NO. **508 459 6989**

PROJECT LOCATION **SITE 6 SOC STANTON A-88**

PROJECT NUMBER / PO NO. **01012101**

REPORT TYPE

STANDARD ☐ ISRA ☐

NJ REG ☐ NY ASP A ☐ B ☒ CLP ☐

OTHER _____

TURNAROUND

☒ NORMAL _____

☐ QUICK _____

☐ VERBAL _____

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

STL #	SAMPLING DATE	TIME	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass	HCL	Liter Amber Sulfuric Acid	Liter Amber Organic Washed	Liter Plastic Nitric Acid	Liter Plastic Sodium Hydroxide	Liter Plastic Sulfuric Acid	250ml Plastic	125ml Plastic	Sterile	6 oz. Polyethylene	2 oz. Gorpak
1	6/14/02	1200	X	S	SB-19-614027008	1												X
2			X	S	↓	1											X	
3		1220	X	S	SB-20-614024570051	1											X	
4			X	S	↓	1											X	
5	6/13/02	1830	X	S	RB-SB-61302	1					X							
6			X	S	↓	2	X											
7			X	S	↓	1				X								
8	6/14/02	1400	X	S	RB-SB-61402	2	X											
9			X	S	↓	1				X								
10			X	S	↓	1					X							
11			X	S	TB-61302	2	X										X	

ANALYSIS REQUESTED

8260
8270 / TAL METALS
8260
8270 / TAL METALS
TAL METALS 8260 8270
8260 VOC
SVOC 8270
8260 VOC
SVOC 8270
TAL METALS
8260

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECTED TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY	COMPANY	DATE	TIME
SAMPLED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

REPORT # (Lab Use Only)

REPORT TYPE
 STANDARD ☐ ISRA ☐
 NJ REG ☐
 NYASP A ☐ B ☒ CLP ☐
 OTHER _____

TURNAROUND
 NORMAL ☒
 QUICK ☐
 VERBAL ☐

SAMPLE TEMP _____ C
 SAMPLE REC'D ON ICE Y _____ N _____
 PH CHECK Y _____ N _____
 REVIEWED BY _____

NY PUBLIC WATER SUPPLIES
 SOURCE ID _____
 ELRP TYPE _____
 FEDERAL ID _____

REPORT TYPE
 STANDARD ☐ ISRA ☐
 NJ REG ☐
 NYASP A ☐ B ☒ CLP ☐
 OTHER _____

TURNAROUND
 NORMAL ☒
 QUICK ☐
 VERBAL ☐

SAMPLE TEMP _____ C
 SAMPLE REC'D ON ICE Y _____ N _____
 PH CHECK Y _____ N _____
 REVIEWED BY _____

NY PUBLIC WATER SUPPLIES
 SOURCE ID _____
 ELRP TYPE _____
 FEDERAL ID _____

CUSTOMER NAME
SEVERN TRENT SERVICES

ADDRESS
408 Pleasant St 2nd Fl

CITY, STATE, ZIP
Newburgh, NY 12550

NAME OF CONTACT
John Doe

PHONE NO.
508-459-6489

PROJECT LOCATION
Site 6 Station Area

PROJECT NUMBER / PO NO.
01412.01

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.																			
STL #	SAMPLING DATE	TIME	AM	PM	COMP	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass	HCL	Liter Amber Sulfuric Acid	Liter Amber Organic Washed	Liter Plastic Nitric Acid	Liter Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	250ml Amber	2 oz. Gorpak	
	6/26/02	1300	X			GW	6MW-2162602	4	2		1	1							8260B VOC 8270C SVOC TAL METALS
		1405				↓	6MW-12162602	4	2		1	1							↓
		1600				↓	FB-PW-62602	4	2		1	1							8260B VOC 8270C SVOC TAL METALS
		-					FB-62602	2	2										8260B VOC TAL BLANK
	6/26/02	1115				FW	6MW-0362602	4	2		1	1							8260B VOC 8270C SVOC TAL METALS
		1200				↓	6MW-0862602	4	2		1	1							↓
		1230				↓	6MW-0962602	4	2		1	1							↓
		1100				↓	6MW-1062602	4	2		1	1							8260B VOC SVOC
	6/26/02	1100				↓	SW-162702	2	2										↓
		1130				↓	SW-262702	2	2										↓

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY
 COMPANY: Severn Trent Services
 DATE: 6/26/02
 TIME: 1300

SAMPLED BY
 COMPANY: Severn Trent Services
 DATE: 6/26/02
 TIME: 1300

RELINQUISHED BY
 COMPANY: Severn Trent Services
 DATE: 6/26/02
 TIME: 1300

COMMENTS
 The metals sample FB-PW-62602 must be preserved w/ HNO3 using same receipt

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

STL Newburgh

CUSTOMER NAME <i>ANEPTEK CORP</i>	
ADDRESS <i>408 Pleasant St 2nd Fl.</i>	
CITY, STATE, ZIP <i>Worcester MA 01609</i>	PHONE NO. <i>508-459-6989</i>
NAME OF CONTACT <i>Jeff Donovan</i>	
PROJECT LOCATION <i>Site 630C Stratton Ave</i>	
PROJECT NUMBER / PO NO. <i>01012.01</i>	

REPORT TYPE	TURNAROUND
STANDARD <input type="checkbox"/> ISRA <input type="checkbox"/>	<input checked="" type="checkbox"/> NORMAL
NJ REG <input type="checkbox"/>	<input type="checkbox"/> QUICK
NYASP A <input type="checkbox"/> B <input checked="" type="checkbox"/> CLP <input type="checkbox"/>	<input type="checkbox"/> VERBAL
OTHER _____	

REPORT # (Lab Use Only)
SAMPLE TEMP. _____ C
SAMPLE REC'D ON ICE Y _____ N _____
PH CHECK Y _____ N _____
REVIEWED BY _____
NY PUBLIC WATER SUPPLIES
SOURCE ID _____
ELRP TYPE _____
FEDERAL ID _____

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON
RECEIPT MUST BE 4° ± 2°C.

STL #	SAMPLING DATE & TIME	GRAB	MATRIX	CLIENT I.D.	ANALYSIS REQUESTED
42	6/15/01	X	GW	6MW-1762602	B260202 82025002 TAL METALS
43	6/15/01			6MW-1162602	
44	6/15/01			6MW-1262602	
45	6/15/01			6MW-1362602	
46	6/15/01			6MW-1462602	
47	6/15/01			6MW-1562602	
48	6/15/01			6MW-1662602	
49	6/15/01			6MW-1762602	
50	6/15/01			6MW-1862602	
51	6/15/01			6MW-1962602	
52	6/15/01			6MW-2062602	

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY <i>Jeff Donovan</i>	COMPANY <i>ANEPTEK</i>	DATE <i>6/17/01</i>	TIME <i>1:00</i>	RECEIVED BY	COMPANY	DATE	TIME
SAMPLED BY <i>Jeff Donovan</i>	COMPANY <i>ANEPTEK</i>	DATE <i>6/15/01</i>	TIME <i>1:00</i>	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

COMMENTS

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

CHAIN OF CUSTODY

2nd and 6th

CUSTOMER NAME	ANEPLEX CAMP
ADDRESS	408 PLEASANT ST 2ND FL
CITY, STATE, ZIP	BALTIMORE MD 21201
NAME OF CONTACT	JOHN J. ANEPLEX
PHONE NUMBER	410-555-5555
PROJECT LOCATION	10000000000000000000
PROJECT NUMBER / PO NO.	01012101

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° + 2°C.

REPORT TYPE STANDARD <input type="checkbox"/> ISRA <input type="checkbox"/> NJ REG <input type="checkbox"/> NYASP A <input type="checkbox"/> B <input checked="" type="checkbox"/> CLP <input type="checkbox"/> OTHER _____	TURNAROUND NORMAL _____ <input type="checkbox"/> QUICK _____ <input type="checkbox"/> VERBAL _____
--	---

REPORT # (Lab Use Only)	
SAMPLE TEMP. _____	C _____
SAMPLE REC'D ON ICE	Y _____ N _____
PH CHECK	Y _____ N _____
REVIEWED BY _____	
NY PUBLIC WATER SUPPLIES	
SOURCE ID _____	
ELRP TYPE _____	
FEDERAL ID _____	

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

STL #	SAMPLING DATE TIME AM PM	GMA	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass	HCL	Liter Amber Sulfuric Acid	Liter Amber Organic Washed	Nitric Acid	Liter Plastic Sodium Hydroxide	Liter Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	250ml Amber	Oorpak 2 oz.	ANALYSIS REQUESTED
	8/13/02	1630	X FW	6MW-0381302	4	2		✓	✓								B260 B VOC B270C SVOC TAL METAL
	1510			6MW-1381302	✓												
	1530			6MW-1481302	✓												
	1545			6MW-1581302	✓												
	1600			6MW-1681302	✓												
	1615			6MW-1781302	✓												
	1515		↓	6MW-13381302	✓			✓	✓								
	8/15/02	0915	WW	IDW-DL-COM-81502	4	2		✓	✓								
	0900	↓	↓	IDW-WELL-WATER-81502	4	2		✓	✓								
	0830	↓	SS														
	1000		SS	IDW-SOIL-DRUM A 81502	✓												7260 B VOC 819N ONLY
	1015	↓	SS	IDW-SOIL-DRUM B 81502	✓												8260 B VOC 819F ONLY

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECTED TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Relinquished by	W. J. H. H.	8-13-02	1300				
SAMPLED BY	W. J. H. H.						
RELINQUISHED BY	W. J. H. H.						

COMMENTS

2nd and 6th Samps

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE $4^{\circ} \pm 2^{\circ}\text{C}$.

STL #	SAMPLING DATE	TIME AM PM	COMP	MATRIX	CLIENT I.D.	Total of Co	40ml HCl	Liter Sulfur	Organic	Liter Sulfur	Liter Nitric	Liter Sodium	Liter Sulfur	250ml	125ml	250ml	250ml	Corp	ANALYSIS REQUESTED
	8/14/00		X	6W	6MW-0881402	4	2		1	1									82608voc 82700 SVOC 700 METALS
ONLY		0830			6MW-0981402														
		1000			6MW-1081402														
		0930			6MW-1181402														
		0945			6MW-1281402														
USE		0945			6MW-1881402	12	6		3	3									MS/MSD
		0815			6MW-1981402	4	2		1	1									
		0815			6MW-2081402														
LAB		0915			6MW-2181402														
		0900			6MW-20181402														
			X		TB-81402	3	3												82608voc 7000 Blank LAB
	8/15/00	1020	X	S	IDW-5002-DWMS A4B	1													1000 82700 SVOC + 700 METALS

TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS OTHERWISE INDICATED BY THE FOLLOWING			
RELINQUISHED BY	COMPANY	DATE	TIME
<i>[Signature]</i>	<i>Acme</i>	<i>8-13-02</i>	<i>1300</i>
SAMPLED BY	COMPANY	DATE	TIME
<i>[Signature]</i>	<i>Acme</i>		
RELINQUISHED BY	COMPANY	DATE	TIME

COMMENTS

APPENDIX C
SDC BORING LOGS



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

Page 1 of 1

Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

SB-17

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/14/2002

Date/Time Finished

Logged By:

J. Donovan

Drilling Method:

HSA 140 lb. Hammer

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

Total Depth:

Bedrock Depth:

Water Table Depth:

Borehole Diameter:

8 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			5 8 7 9	9	Top 2" backfill material (sand) from TCRA Bott 7" lght brn silt/clay/trace med sand		0
2			10 18 22 22	17	Lght brn silt/clay/trace med sand		1
4			10 22 28 38	20	Top 6" med brn sand/silt Bott 14" lght brn silt/clay trace med sand Bott 4" petro odor		85
6			21 26 27 50/1	20	Top 5" brn silt/sand saturated 5" to 7" lt brn silt/clay petro odor 7" to 20" dk brn silt/clay Refusal		40 22 2
8							
10							
12							

Penetration Resistance

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Proportions

Trace: 0 - 10%
Little: 10 - 20%
Some: 20 - 35%
And: 35 - 50%
Water Content
D - Dry
M - Moist
W - Wet

Notes and Comments:



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

Page 1 of 1

Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

SB-18

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/14/2002 1020

Date/Time Finished

6/14/2002 1020

Logged By:

J. Donovan

Drilling Method:

HSA 140 lb. Hammer

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

Total Depth:

Bedrock Depth:

Water Table Depth:

Borehole Diameter:

8 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			11 21 15 17	0	No recovery, rock in nose		0
2		2-4	10 9 14 16	18	Top 9" lt bm silt/clay trace med/fine sand Bott 9" bm silt/clay		4.5
4			15 15 14 16	14	Bm silt/clay		2
6			11 15 18 26	12	Bm silt/clay bits of shale		2
8			6 8 10 30/1"		Refusal -saturated		
10							
12							

Penetration Resistance

Proportions

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

Notes and Comments:



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

Page 1 of 1

Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

SB-19

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/14/2002 1138

Date/Time Finished

6/14/2002 1150

Logged By:

J. Donovan

Drilling Method:

HSA 140 lb. Hammer

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

Total Depth:

Bedrock Depth:

Water Table Depth:

Borehole Diameter:

8 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			9 15 14 10	4	Top 3" TCRA backfill (sand) Bott 1" brn silt/clay		0
2			7 8 15 15	21	Lt brn silt/clay trace med/fine sand		1
4			12 18 22 18	15	Same as above		2
6			16 22 38 55	12	Top 10" same as above Bott 2" bits of shale		1
8		7-8	38/4"	4	Refusal -saturated		
10							
12							

Penetration Resistance

Proportions

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

Notes and Comments:



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

Page 1 of 1

Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

SB-20

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/14/2002 1210

Date/Time Finished

6/14/2002 1230

Logged By:

J. Donovan

Drilling Method:

HSA 140 lb. Hammer

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

Total Depth:

Bedrock Depth:

Water Table Depth:

Borehole Diameter:

8 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			8 10 12 11	4	Lt brn silt/clay trace med/fine sand -rock in nose		0
2			7 9 12 17	20	Top 3" lt brn silt/sand Bott 17" brn silt/clay trace med sand		0
4		4-5	25 26 32 58	19	Brn silt/clay trace med sand Bits of shale in nose Refusal		0
6							
8							
10							
12							

Penetration Resistance

Proportions

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

Notes and Comments:



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

Page 1 of 1

Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

SB-21

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/14/2002 0935

Date/Time Finished

6/14/2002 0935

Logged By:

J. Donovan

Drilling Method:

HSA 140 lb. Hammer

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground EL.:

Total Depth:

Bedrock Depth:

Water Table Depth:

Borehole Diameter:

8 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			8 9 11 12	4	Top soil, grass		0
2			8 10 14 13	6	Lt brn silt/clay trace fine sand		2
4			8 11 15 21	15	Same as above -nose moist		1
6		7-8	6 6 9 10	18	Top 8" lt brn silt/clay Bott 10" drk gray silt/clay Slight petro odor on bott 4" Bott 2" wet		12
8							
10							
12							

Penetration Resistance

Proportions

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

Notes and Comments:



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

Page 1 of 1

Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

SB-23

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/13/2002 1450

Date/Time Finished

6/13/2002 1510

Logged By:

J. Donovan

Drilling Method:

HSA 140 lb. Hammer

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

Total Depth:

Bedrock Depth:

Water Table Depth:

Borehole Diameter:

8 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			8 9 6 7	20	Top 10" lt brn silt/trace clay/trace med sand Bott 10" brn silt/clay		0
2			7 7 7 7	20	Top 6" brn silt/trace med sand Bott 14" brn silt/clay - little shale		0
4			16 8 5 5	6	Brn silt/clay -trace med/fine sand		0
6	7-8		4 50/2"	18	Brn silt/clay -trace med/fine sand-moist Refusal		0
8							
10							
12							

Penetration Resistance

Proportions

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

Notes and Comments:



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

Page 1 of 1

Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

SB-24

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/13/2002 1520

Date/Time Finished

6/13/2002 1540

Logged By:

J. Donovan

Drilling Method:

HSA 140 lb. Hammer

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

Total Depth:

Bedrock Depth:

Water Table Depth:

Borehole Diameter:

8 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			4 5 7 8	13	Brn silt/clay		0
2			11 11 12 13	12	Top 8" lt brn silt/clay Bott 4" drk brn silt/clay- trace med sand		0
4	4.5-5.5		13 13 17 50/1"	18	Drk brn silt/clay- trace med sand Bott 4" moist-bits of shale Refusal		0
6							
8							
10							
12							

Penetration Resistance

Proportions

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

Notes and Comments:



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

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Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

SB-25

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/14/2002 0851

Date/Time Finished

6/14/2002 0903

Logged By:

J. Donovan

Drilling Method:

HSA 140 lb. Hammer

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

Total Depth:

Bedrock Depth:

Water Table Depth:

Borehole Diameter:

8 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			3 5 7 10		No recovery		0
2			10 11 19 18	17	Top 10" lt brn silt/ trace clay Bott 7" drk brn silt/clay		3
4	5-6		22 28 55 60/2	21	Top 11" drk brn silt/clay Bott 10" drk brn silt/clay -bits of weathered shale Refusal		3
6							
8							
10							
12							

Penetration Resistance

Proportions

Notes and Comments:

Granular Soils		Cohesive Soils		Trace: 0 - 10% Little: 10 - 20% Some: 20 - 35% And: 35 - 50% Water Content D - Dry M - Moist W - Wet
Blows/ft	Density	Blows/ft	Density	
<4	V. Loose	<2	V. Soft	
4 - 10	Loose	2 - 4	Soft	
10 - 30	M. Dense	4 - 8	M. Stiff	
30 - 50	Dense	8 - 15	Stiff	
>50	V. Dense	15 - 30	V. Stiff	
		>50	Hard	



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

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Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

SB-26

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/14/2002 0830

Date/Time Finished

6/14/2002 0845

Logged By:

J. Donovan

Drilling Method:

HSA 140 lb. Hammer

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

Total Depth:

Bedrock Depth:

Water Table Depth:

Borehole Diameter:

8 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			5 6 8 7	14	Top 4" topsoil -grass Bott 10" lt brn silt/some clay		3
2			10 20 32 23	18	Top 10" lt brn silt/trace clay Bott 8" same with bits of shale		4
4	5-6		22 28 35 65	24	Lt brn silt/trace clay/trace med-fine sand		2 14
6			60/2"	2	Refusal-saturated		
8							
10							
12							

Penetration Resistance

Proportions

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

Notes and Comments:



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

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Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

SB-27

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/13/2002 1327

Date/Time Finished

6/13/2002 1345

Logged By:

J. Donovan

Drilling Method:

HSA 140 lb. Hammer

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

Total Depth:

Bedrock Depth:

Water Table Depth:

Borehole Diameter:

8 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			3 5 9 8	12	Brn silt/trace clay-soils loose		0
2			8 10 13 17	24	Lt brn silt/clay trace med/fine sand		0
4			23 18 16 24	18	Brn silt-little clay trace gravel		0
6	6-7		16 18 13 50/3"	16	Refusal-wet		0
8							
10							
12							

Penetration Resistance

Proportions

Granular Soils		Cohesive Soils		Notes and Comments:
Blows/ft	Density	Blows/ft	Density	
<4	V. Loose	<2	V. Soft	
4 - 10	Loose	2 - 4	Soft	
10 - 30	M. Dense	4 - 8	M. Stiff	
30 - 50	Dense	8 - 15	Stiff	Water Content D - Dry M - Moist W - Wet
>50	V. Dense	15 - 30	V. Stiff	
		>50	Hard	



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

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Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

SB-28

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/13/2002 1406

Date/Time Finished

6/13/2002 1425

Logged By:

J. Donovan

Drilling Method:

HSA 140 lb. Hammer

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

Total Depth:

Bedrock Depth:

Water Table Depth:

Borehole Diameter:

8 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			5 5 8 8	12	Top 4" topsoil-grass Bott 8" lt brn silt/trace clay		0
2			10 12 16 18	17	lt brn silt/clay-trace med/fine sand		0
4			21 22 24 24	13	Same as above		0
6	7-8		13 14 15 22	17	Top 7" lt brn silt/trace clay Bott 10" drk brn silt/clay-bits of shale moist		0
8			50/3"		Refusal-saturated		0
10							
12							

Penetration Resistance

Proportions

Notes and Comments:

Granular Soils		Cohesive Soils		Notes and Comments:
Blows/ft	Density	Blows/ft	Density	
<4	V. Loose	<2	V. Soft	
4 - 10	Loose	2 - 4	Soft	
10 - 30	M. Dense	4 - 8	M. Stiff	Trace: 0 - 10% Little: 10 - 20% Some: 20 - 35% And: 35 - 50% Water Content D - Dry M - Moist W - Wet
30 - 50	Dense	8 - 15	Stiff	
>50	V. Dense	15 - 30	V. Stiff	
		>50	Hard	



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

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Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

6MW-11 (TW-30)

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/17/2002

Date/Time Finished

6/17/2002

Logged By:

J. Donovan

Drilling Method:

HSA to refusal/air hammer to completion

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

303.27

Total Depth:

15.3

Bedrock Depth:

7.5

Water Table Depth:

Borehole Diameter:

8.25 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			8 7 7 12	9	Light brn silt/clay/trace med sand		0
2			12 16 21 22	17	Lght brn silt/clay/trace med sand		0
4			10 22 28 38	20	Top 6" med brn sand/silt Bott 14" lght brn silt/clay trace med sand		0
6			21 26 27 70/1	20	Top 5" brn silt/sand saturated 5" to 7" lt brn silt/clay 7" to 20" dk brn silt/clay Refusal		0 0 0
8							
10							
12							

Penetration Resistance

Granular Soils

Cohesive Soils

Proportions

Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

Notes and Comments:

6MW-11 was originally installed as Temporary Well (TW) -30. TW-30 was converted into permanent well 6MW-11 when the first location for 6MW-11 was dry.

ANEPTEK CORPORATION Boring Log			Client/Project/Contract No.: ANG-Schenectady ANGB				Page 1 of 1																																																								
			Site 6 SDC - DAHA90-93-D-0003 D.O.# 14																																																												
			Sampler Type/Size: 2 ft. Split Spoon - 140 lb. Hammer				Boring/Well No.: 6MW-12																																																								
Drilling Contractor: B.L. Myers Bros.			Drilling Rig Make/Model: Mobile Drill Model B-61			Date/Time Started 6/20/02 (0925)		Date/Time Finished 6/20/02 (1015)																																																							
Logged By: J. Donovan			Drilling Method: HSA to refusal/air hammer to completion			Screening Device (Type, make, model): PID 11.7 EV																																																									
Location (survey coord):			Ground El.: 303.75	Total Depth: 15.5	Bedrock Depth: 7.5 ft	Water Table Depth:		Borehole Diameter: 8.25 inches																																																							
Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description		USCS Class.	PID/FID (ppm)																																																							
0			8 7 7 12	9	Light brn silt/clay/trace med sand			0																																																							
2			12 16 21 22	17	Lght brn silt/clay/trace med sand			0																																																							
4			10 22 28 38	20	Light brn silt/clay trace med sand			0																																																							
6			21 26 27 50/1	20	Top 5" brn silt/sand saturated 5" to 7" lt brn silt/clay 7" to 20" dk brn silt/clay Refusal			0 0 0																																																							
8																																																															
10																																																															
12																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4">Penetration Resistance</th> <th colspan="2">Proportions</th> <th rowspan="6">Notes and Comments:</th> </tr> <tr> <th colspan="2">Granular Soils</th> <th colspan="2">Cohesive Soils</th> <th colspan="2">Trace: 0 - 10%</th> </tr> <tr> <th>Blows/ft</th> <th>Density</th> <th>Blows/ft</th> <th>Density</th> <th colspan="2">Little: 10 - 20%</th> </tr> <tr> <td><4</td> <td>V. Loose</td> <td><2</td> <td>V. Soft</td> <th colspan="2">Some: 20 - 35%</th> </tr> <tr> <td>4 - 10</td> <td>Loose</td> <td>2 - 4</td> <td>Soft</td> <th colspan="2">And: 35 - 50%</th> </tr> <tr> <td>10 - 30</td> <td>M. Dense</td> <td>4 - 8</td> <td>M. Stiff</td> <th colspan="2">Water Content</th> </tr> <tr> <td>30 - 50</td> <td>Dense</td> <td>8 - 15</td> <td>Stiff</td> <td colspan="2">D - Dry</td> </tr> <tr> <td>>50</td> <td>V. Dense</td> <td>15 - 30</td> <td>V. Stiff</td> <td colspan="2">M - Moist</td> </tr> <tr> <td></td> <td></td> <td>>50</td> <td>Hard</td> <td colspan="2">W - Wet</td> </tr> </table>									Penetration Resistance				Proportions		Notes and Comments:	Granular Soils		Cohesive Soils		Trace: 0 - 10%		Blows/ft	Density	Blows/ft	Density	Little: 10 - 20%		<4	V. Loose	<2	V. Soft	Some: 20 - 35%		4 - 10	Loose	2 - 4	Soft	And: 35 - 50%		10 - 30	M. Dense	4 - 8	M. Stiff	Water Content		30 - 50	Dense	8 - 15	Stiff	D - Dry		>50	V. Dense	15 - 30	V. Stiff	M - Moist				>50	Hard	W - Wet	
Penetration Resistance				Proportions		Notes and Comments:																																																									
Granular Soils		Cohesive Soils		Trace: 0 - 10%																																																											
Blows/ft	Density	Blows/ft	Density	Little: 10 - 20%																																																											
<4	V. Loose	<2	V. Soft	Some: 20 - 35%																																																											
4 - 10	Loose	2 - 4	Soft	And: 35 - 50%																																																											
10 - 30	M. Dense	4 - 8	M. Stiff	Water Content																																																											
30 - 50	Dense	8 - 15	Stiff	D - Dry																																																											
>50	V. Dense	15 - 30	V. Stiff	M - Moist																																																											
		>50	Hard	W - Wet																																																											



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

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Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

6MW-13

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/20/02 (1345)

Date/Time Finished

6/20/02 (1430)

Logged By:

J. Donovan

Drilling Method:

HSA to refusal/air hammer to completion

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

305.58

Total Depth:

15.5

Bedrock Depth:

6.5ft

Water Table Depth:

Borehole Diameter:

8.25 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			8 7 7 12	9	Light brn silt/clay/trace med sand		0
2			12 16 21 22	17	Lght brn silt/clay/trace med sand		0
4			10 22 28 38	20	Med brn sand/silt		0
6			21 26 30 55/1	20	Lght brn silt/clay/trace med sand Refusal		0
8							
10							
12							

Penetration Resistance

Proportions

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

Notes and Comments:



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

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Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

6MW-14

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/19/02 (1515)

Date/Time Finished

6/19/02 (1640)

Logged By:

J. Donovan

Drilling Method:

HSA to refusal/air hammer to completion

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground EL:

310.8

Total Depth:

15.5

Bedrock Depth:

7.5 ft

Water Table Depth:

Borehole Diameter:

8.25 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			6 9 12 12	9	Light brn silt/clay/trace med sand		0
2			12 16 25 23	21	Brn silt/clay/trace med sand		0
4			16 21 22 38	19	Med brn sand/silt		0
6			24 27 32 60/1	23	Brn silt/clay/trace med sand Refusal		0
8							
10							
12							

Penetration Resistance				Proportions	Notes and Comments:
Granular Soils		Cohesive Soils		Trace: 0 - 10%	
Blows/ft	Density	Blows/ft	Density	Little: 10 - 20%	
<4	V. Loose	<2	V. Soft	Some: 20 - 35%	
4 - 10	Loose	2 - 4	Soft	And: 35 - 50%	
10 - 30	M. Dense	4 - 8	M. Stiff	Water Content	
30 - 50	Dense	8 - 15	Stiff	D - Dry	
>50	V. Dense	15 - 30	V. Stiff	M - Moist	
		>50	Hard	W - Wet	



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

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Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

6MW-15

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/19/02 (1237)

Date/Time Finished

6/19/02 (1320)

Logged By:

J. Donovan

Drilling Method:

HSA to refusal/air hammer to completion

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

312.09

Total Depth:

14.5

Bedrock Depth:

6.5ft

Water Table Depth:

Borehole Diameter:

8.25 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			8 4 13 18	9	Light brn silt/clay/trace med sand		0
2			15 16 22 22	21	Lght brn silt/clay/trace med sand		0
4			21 21 22 38	20	Med brn sand/silt		0
6			25 28 30 60/1	23	Lght brn silt/clay/trace med sand Refusal		0
8							
10							
12							

Penetration Hesistance

Proportions

Granular Soils		Cohesive Soils		Notes and Comments:
Blows/ft	Density	Blows/ft	Density	
<4	V. Loose	<2	V. Soft	
4 - 10	Loose	2 - 4	Soft	
10 - 30	M. Dense	4 - 8	M. Stiff	
30 - 50	Dense	8 - 15	Stiff	Water Content D - Dry M - Moist W - Wet
>50	V. Dense	15 - 30	V. Stiff	
		>50	Hard	



ANEPTEK
CORPORATION
Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

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Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

6MW-16

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/21/02 (1000)

Date/Time Finished

6/21/02 (1045)

Logged By:

J. Donovan

Drilling Method:

HSA to refusal/air hammer to completion

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:
311.11

Total Depth:
15.5

Bedrock Depth:
6.5 ft

Water Table Depth:

Borehole Diameter:
8.25 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			8 4 13 18	9	Light brn silt/clay/trace med sand		0
2			15 16 22 22	21	Lght brn silt/clay/trace med sand		0
4			21 21 22 38	20	Med brn sand/silt		0
6			21 26 30 60/1	23	Lght brn silt/clay/trace med sand/bits of shale in nose Refusal		0
8							
10							
12							

Penetration Resistance

Proportions

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

Notes and Comments:



**ANEPTEK
CORPORATION
Boring Log**

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

Page 1 of 1

Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

6MW-17

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/21/02 (0820)

Date/Time Finished

6/21/02 (0910)

Logged By:

J. Donovan

Drilling Method:

HSA to refusal/air hammer to completion

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

308.39

Total Depth:

14.5

Bedrock Depth:

6.5 ft

Water Table Depth:

Borehole Diameter:

8.25 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			8 4 13 14	10	Brn silt/clay/trace med sand		0
2			13 16 25 24	18	Brn silt/clay/trace med sand		0
4			21 21 22 38	20	Med brn sand/silt		0
6			25 30 60/1	22	Lght brn silt/clay/trace med sand/bits of shale in nose Refusal		0
8							
10							
12							

Penetration Resistance				Proportions	Notes and Comments:
Granular Soils		Cohesive Soils		Trace: 0 - 10%	
Blows/ft	Density	Blows/ft	Density	Little: 10 - 20%	
<4	V. Loose	<2	V. Soft	Some: 20 - 35%	
4 - 10	Loose	2 - 4	Soft	And: 35 - 50%	
10 - 30	M. Dense	4 - 8	M. Stiff	Water Content	
30 - 50	Dense	8 - 15	Stiff	D - Dry	
>50	V. Dense	15 - 30	V. Stiff	M - Moist	
		>50	Hard	W - Wet	



**ANEPTEK
CORPORATION
Boring Log**

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

Page 1 of 1

Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

6MW-18

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/20/02 (1536)

Date/Time Finished

6/20/02 (1555)

Logged By:

J. Donovan

Drilling Method:

HSA to refusal/air hammer to completion

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

304.92

Total Depth:

17.5

Bedrock Depth:

8 ft

Water Table Depth:

Borehole Diameter:

8.25 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			10 10 15 18	12	Brn silt/clay/trace med sand		0
2			15 18 28 21	21	Brn silt/clay/trace med sand		0
4			20 21 26 28	20	Med brn sand/silt		0
6			25 30 32 40 50/1	18	Lght brn silt/clay/trace med sand/bits of shale in nose Refusal		0
8							
10							
12							

Penetration Hesistance

Proportions

Granular Soils		Cohesive Soils		Notes and Comments:
Blows/ft	Density	Blows/ft	Density	
<4	V. Loose	<2	V. Soft	
4 - 10	Loose	2 - 4	Soft	
10 - 30	M. Dense	4 - 8	M. Stiff	
30 - 50	Dense	8 - 15	Stiff	Water Content D - Dry M - Moist W - Wet
>50	V. Dense	15 - 30	V. Stiff	
		>50	Hard	



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

Page 1 of 1

Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

6MW-19

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/20/02 (1435)

Date/Time Finished

6/20/02 (1520)

Logged By:

J. Donovan

Drilling Method:

HSA to refusal/air hammer to completion

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

302.71

Total Depth:

17.5

Bedrock Depth:

8 ft

Water Table Depth:

Borehole Diameter:

8.25 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			12 9 11 15	15	Brn silt/clay/trace med sand		0
2			15 18 28 21	22	Brn silt/clay/trace med sand		0
4			20 21 26 25	17	Med brn sand/silt		0
6			26 37 36 41 55/1	14	Lght brn silt/clay/trace med sand/bits of shale in nose Refusal		0
8							
10							
12							

Penetration Resistance

Proportions

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

Notes and Comments:

ANEPTEK CORPORATION Boring Log			Client/Project/Contract No.: ANG-Schenectady ANGB				Page 1 of 1		
			Site 6 SDC - DAHA90-93-D-0003 D.O.# 14						
			Sampler Type/Size:				Boring/Well No.:		
			2 ft. Split Spoon - 140 lb. Hammer				6MW-20		
Drilling Contractor:			Drilling Rig Make/Model:			Date/Time Started		Date/Time Finished	
B.L. Myers Bros.			Mobile Drill Model B-61			6/20/02 (1435)		6/20/02 (1520)	
Logged By:			Drilling Method:			Screening Device (Type, make, model):			
J. Donovan			HSA to refusal/air hammer to completion			PID 11.7 EV			
Location (survey coord):			Ground El.:	Total Depth:	Bedrock Depth:	Water Table Depth:		Borehole Diameter:	
			302.95	15.5	6.5 ft			8.25 inches	
Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description		USCS Class.	PID/FID (ppm)	
0			14 14 13 20	15	Brn silt/clay/trace med sand			0	
2			17 16 26 22	19	Brn silt/clay/trace med sand			0	
4			19 23 27 22	20	Med brn sand/silt			0	
6			28 35 50/1	18	Brn silt/clay/trace med sand Refusal			0	
8									
10									
12									
Penetration Resistance					Proportions		Notes and Comments:		
Granular Soils		Cohesive Soils		Trace: 0 - 10%					
Blows/ft	Density	Blows/ft	Density	Little: 10 - 20%					
<4	V. Loose	<2	V. Soft	Some: 20 - 35%					
4 - 10	Loose	2 - 4	Soft	And: 35 - 50%					
10 - 30	M. Dense	4 - 8	M. Stiff	Water Content					
30 - 50	Dense	8 - 15	Stiff	D - Dry					
>50	V. Dense	15 - 30	V. Stiff	M - Moist					
		>50	Hard	W - Wet					



ANEPTEK CORPORATION Boring Log

Client/Project/Contract No.: ANG-Schenectady ANGB

Site 6 SDC - DAHA90-93-D-0003 D.O.# 14

Page 1 of 1

Sampler Type/Size:

2 ft. Split Spoon - 140 lb. Hammer

Boring/Well No.:

6MW-21

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill Model B-61

Date/Time Started

6/21/02 (0730)

Date/Time Finished

6/21/02 (0810)

Logged By:

J. Donovan

Drilling Method:

HSA to refusal/air hammer to completion

Screening Device (Type, make, model):

PID 11.7 EV

Location (survey coord):

Ground El.:

305.84

Total Depth:

17.1

Bedrock Depth:

7.5 ft

Water Table Depth:

Borehole Diameter:

8.25 inches

Depth (ft)	Sample Interval	Sample Number	Blows/ 6-in.	Rec. (in.)	Lithologic Description	USCS Class.	PID/FID (ppm)
0			15 15 18 20	17	Brn silt/clay/trace med sand		0
2			14 19 26 25	18	Brn silt/clay/trace med sand		0
4			20 22 28 22	22	Med brn sand/silt		0
6			27 38 41 60/1	20	Brn silt/clay/trace med sand/bits of shale in nose Refusal		0
8							
10							
12							

Penetration Resistance

Proportions

Notes and Comments:

Granular Soils		Cohesive Soils	
Blows/ft	Density	Blows/ft	Density
<4	V. Loose	<2	V. Soft
4 - 10	Loose	2 - 4	Soft
10 - 30	M. Dense	4 - 8	M. Stiff
30 - 50	Dense	8 - 15	Stiff
>50	V. Dense	15 - 30	V. Stiff
		>50	Hard

Trace: 0 - 10%

Little: 10 - 20%

Some: 20 - 35%

And: 35 - 50%

Water Content

D - Dry

M - Moist

W - Wet

APPENDIX D
SDC MONITORING WELL
CONSTRUCTION DIAGRAMS



**ANEPTEK
CORPORATION
Well Completion Log**

Client/Project/Contract No.: DAHA90-93-D-0003

Site 6 SDC ANG-Schenectady ANGB

Well/Boring No.:

6MW-11 (TW-30)

Logged By:

J. Donovan

Date/Time Started

6/17/2002

Date/Time Finished

6/17/2002

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill B-61

Drilling Method:

HSA to Refusal - Air Hammer to Final Depth

All Depths in feet below ground surface

Note: 6MW-11 was a temporary well (TW-30) converted to a permanent monitoring well

Top of Casing Elev. _____

Top of Casing Height _____

Top of Riser Elev. _____

Top of Riser Height _____

Top of Reference Point _____

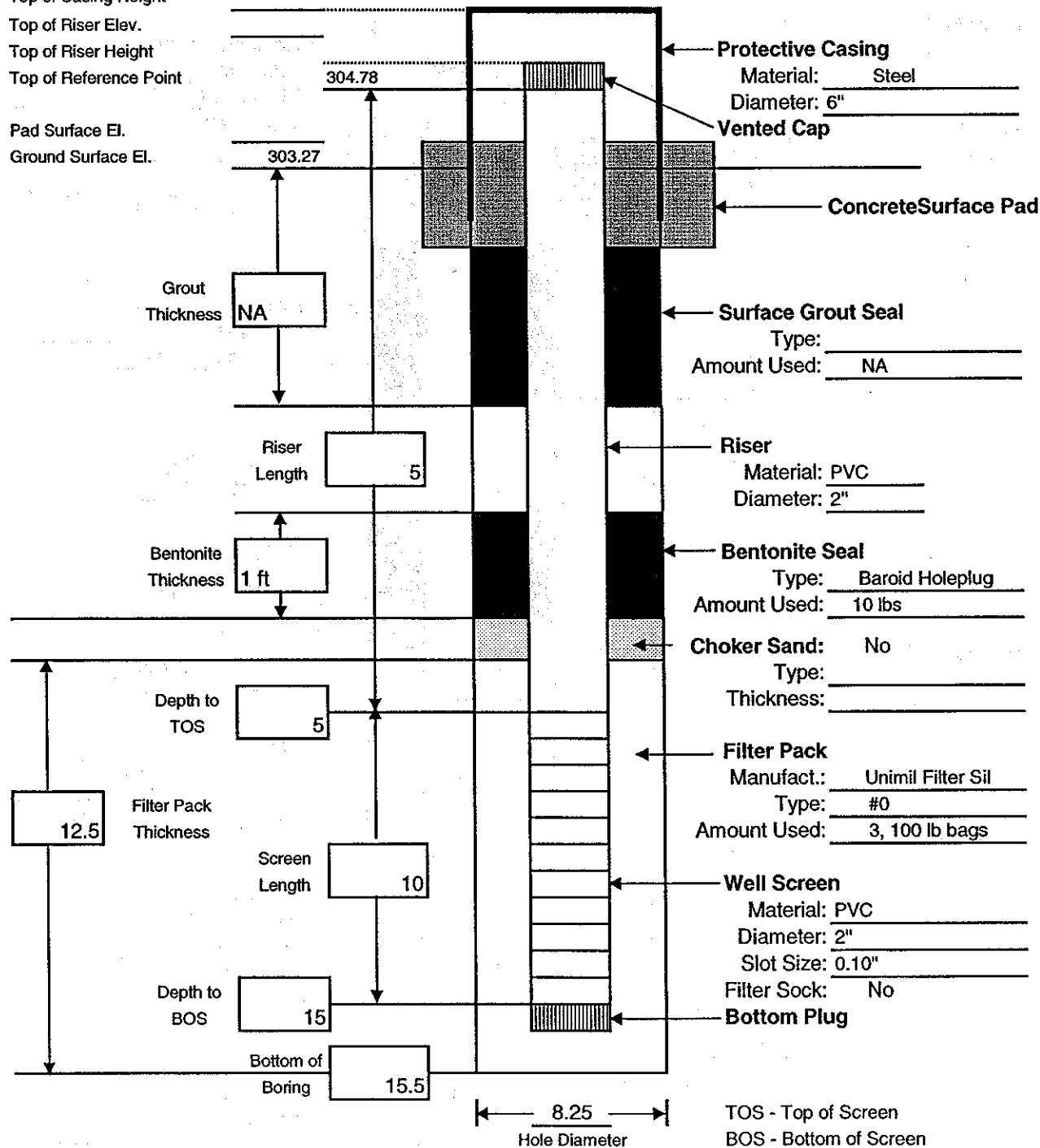
Pad Surface El. _____

Ground Surface El. _____

Survey Coordinates

Northing (Y): _____

Easting (X): _____





ANEPTEK
CORPORATION
Well Completion Log

Client/Project/Contract No.: DAHA90-93-D-0003

Site 6 SDC ANG-Schenectady ANGB

Well/Boring No.: 6MW-12

Logged By:
J. Donovan

Date/Time Started
6/20/2002 (0925)

Date/Time Finished
6/20/2002 (1015)

Drilling Contractor:
B.L. Myers Bros.

Drilling Rig Make/Model:
Mobile Drill B-61

Drilling Method:
HSA to Refusal - Air Hammer to Final Depth

All Depths in feet below ground surface

Survey Coordinates

Northing (Y): _____
Easting (X): _____

Top of Casing Elev. 306.49

Top of Casing Height

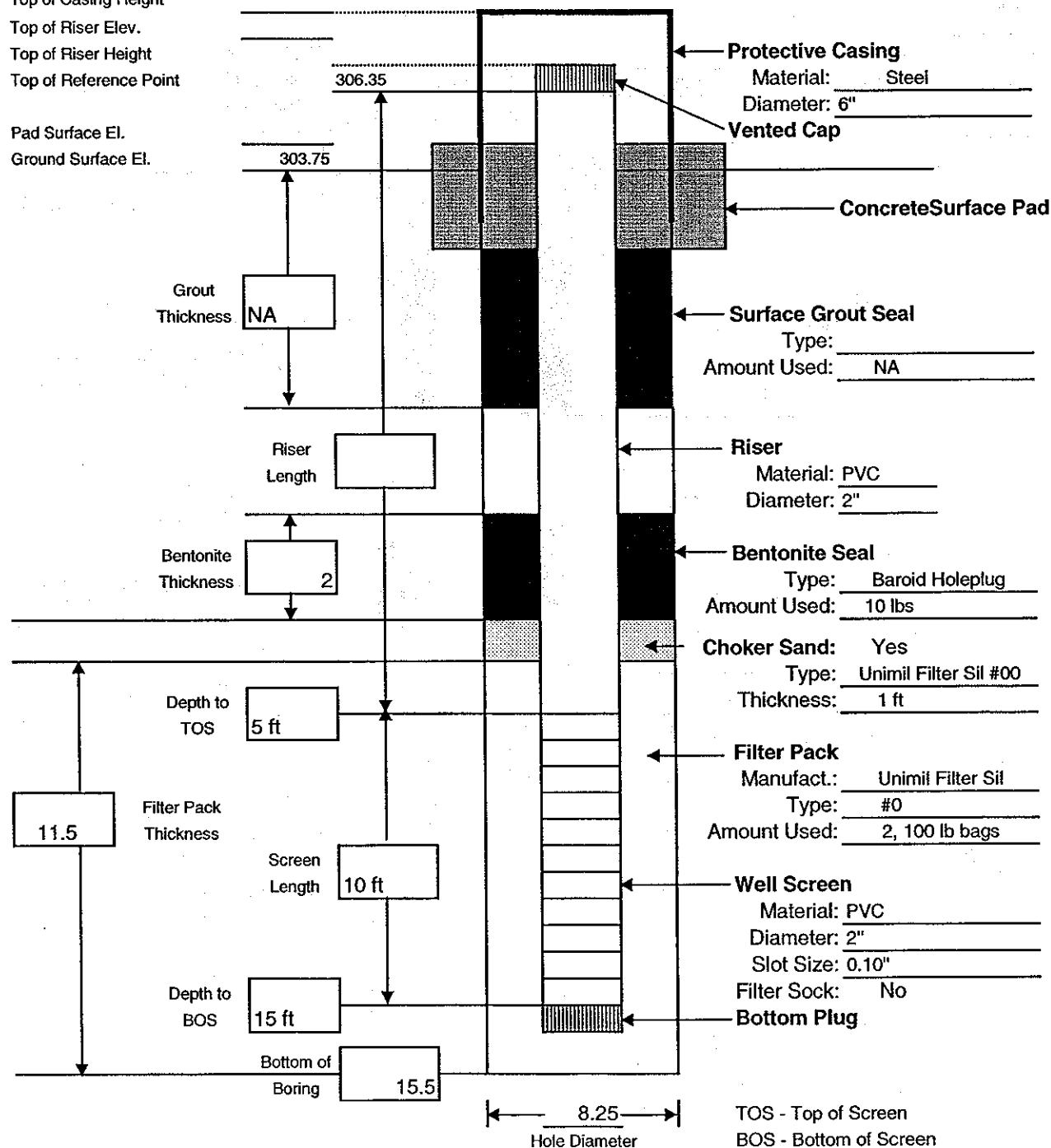
Top of Riser Elev.

Top of Riser Height

Top of Reference Point

Pad Surface El.

Ground Surface El.





**ANEPTEK
CORPORATION
Well Completion Log**

Client/Project/Contract No.: DAHA90-93-D-0003

Site 6 SDC ANG-Schenectady ANG

Well/Boring No.: 6MW-13

Logged By:
J. Donovan

Date/Time Started
6/20/2002 (1345)

Date/Time Finished
6/20/2002 (1430)

Drilling Contractor:
B.L. Myers Bros.

Drilling Rig Make/Model:
Mobile Drill B-61

Drilling Method:
HSA to Refusal - Air Hammer to Final Depth

All Depths in feet below ground surface

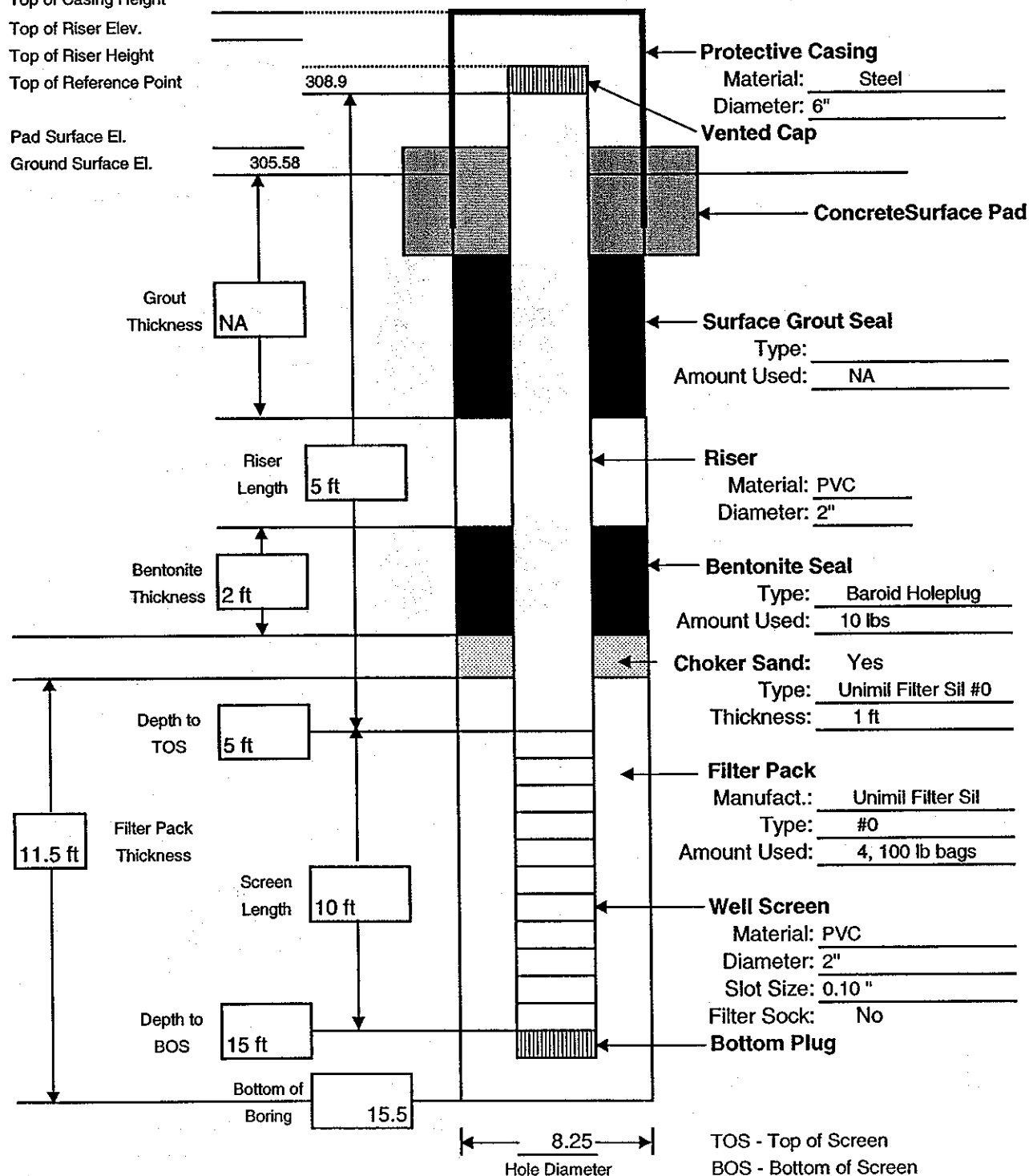
Survey Coordinates

Northing (Y): _____

Easting (X): _____

Top of Casing Elev. _____
Top of Casing Height _____
Top of Riser Elev. _____
Top of Riser Height _____
Top of Reference Point _____

Pad Surface El. _____
Ground Surface El. _____





**ANEPTEK
CORPORATION
Well Completion Log**

Client/Project/Contract No.: DAHA90-93-D-0003

Site 6 SDC ANG-Schenectady ANGB

Well/Boring No.: 6MW-14

Logged By:
J. Donovan

Date/Time Started
6/19/2002 (1515)

Date/Time Finished
6/19/2002 (1640)

Drilling Contractor:
B.L. Myers Bros.

Drilling Rig Make/Model:
Mobile Drill B-61

Drilling Method:
HSA to Refusal - Air Hammer to Final Depth

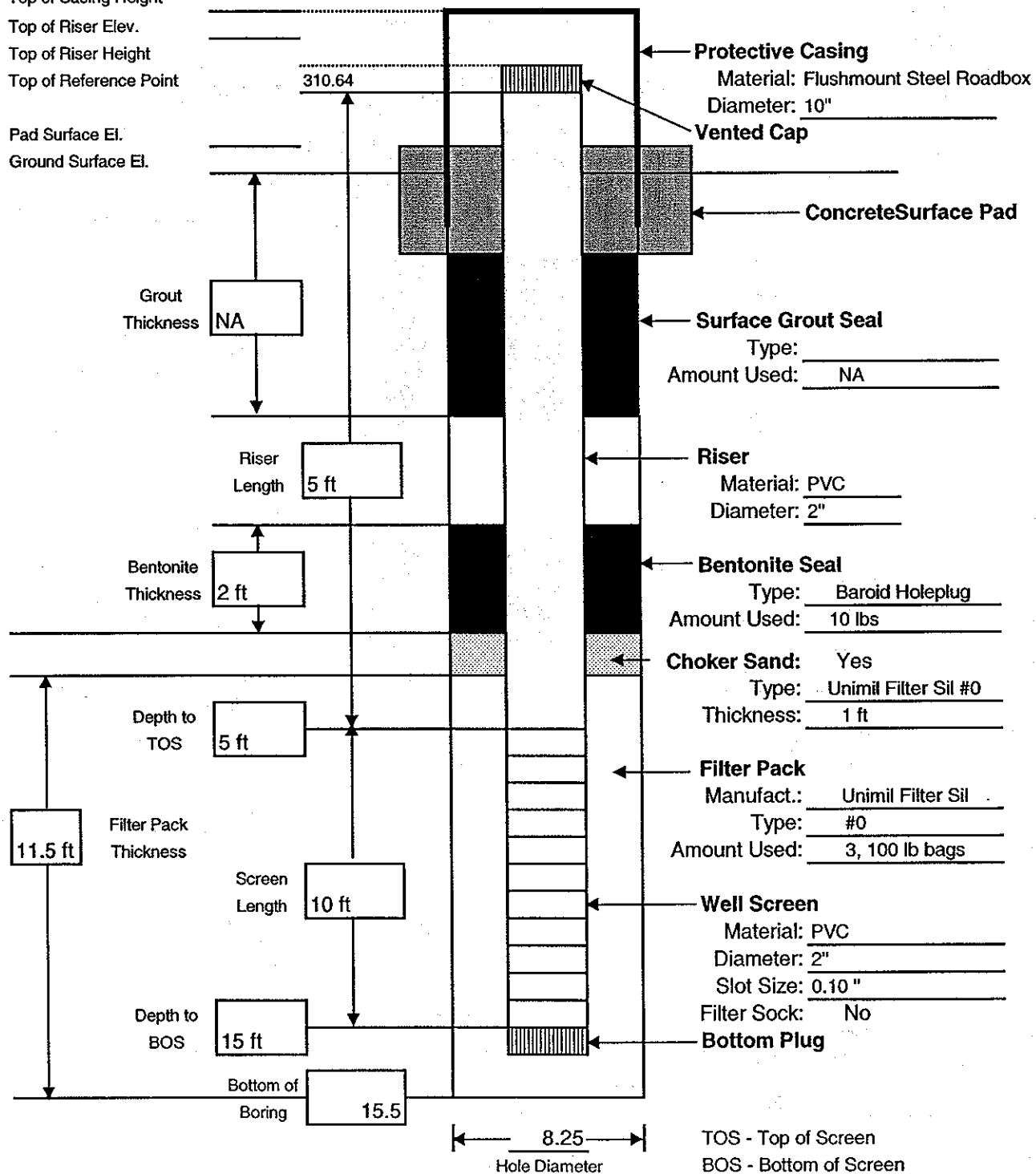
All Depths in feet below ground surface

Survey Coordinates

Northing (Y): _____
Easting (X): _____

Top of Casing Elev. _____
Top of Casing Height _____
Top of Riser Elev. _____
Top of Riser Height _____
Top of Reference Point _____

Pad Surface El. _____
Ground Surface El. _____





**ANEPTEK
CORPORATION
Well Completion Log**

Client/Project/Contract No.: DAHA90-93-D-0003

Site 6 SDC ANG-Schenectady ANGB

Well/Boring No.: 6MW-15

Logged By:
J. Donovan

Date/Time Started
6/19/2002 (1237)

Date/Time Finished
6/19/2002 (1320)

Drilling Contractor:
B.L. Myers Bros.

Drilling Rig Make/Model:
Mobile Drill B-61

Drilling Method:
HSA to Refusal - Air Hammer to Final Depth

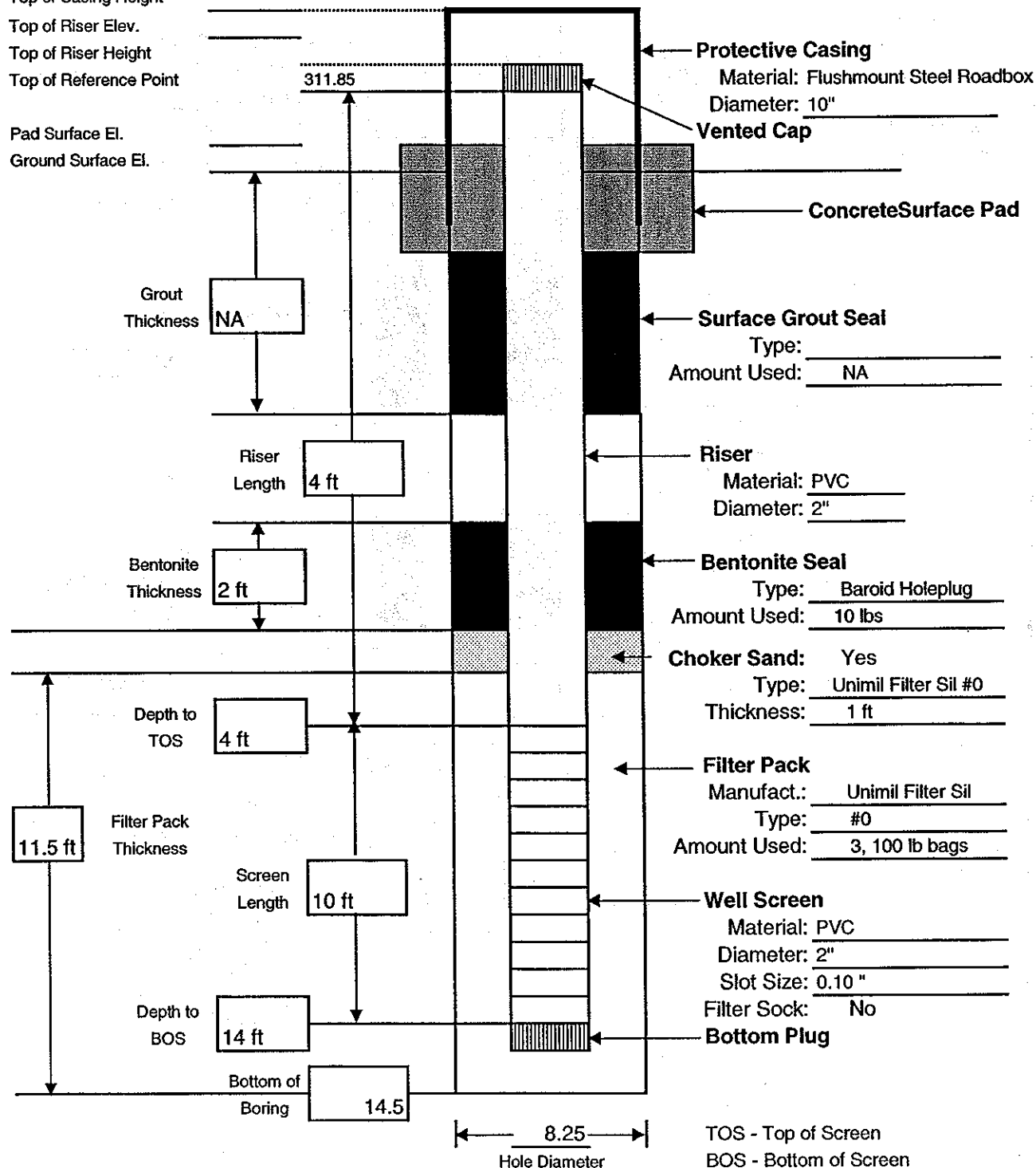
All Depths in feet below ground surface

Survey Coordinates

Northing (Y): _____
Easting (X): _____

Top of Casing Elev. _____
Top of Casing Height _____
Top of Riser Elev. _____
Top of Riser Height _____
Top of Reference Point _____

Pad Surface El. _____
Ground Surface El. _____





**ANEPTEK
CORPORATION
Well Completion Log**

Client/Project/Contract No.: DAHA90-93-D-0003

Site 6 SDC ANG-Schenectady ANGB

Well/Boring No.: 6MW-16

Logged By:
J. Donovan

Date/Time Started
6/21/2002 (1000)

Date/Time Finished
6/21/2002 (1045)

Drilling Contractor:
B.L. Myers Bros.

Drilling Rig Make/Model:
Mobile Drill B-61

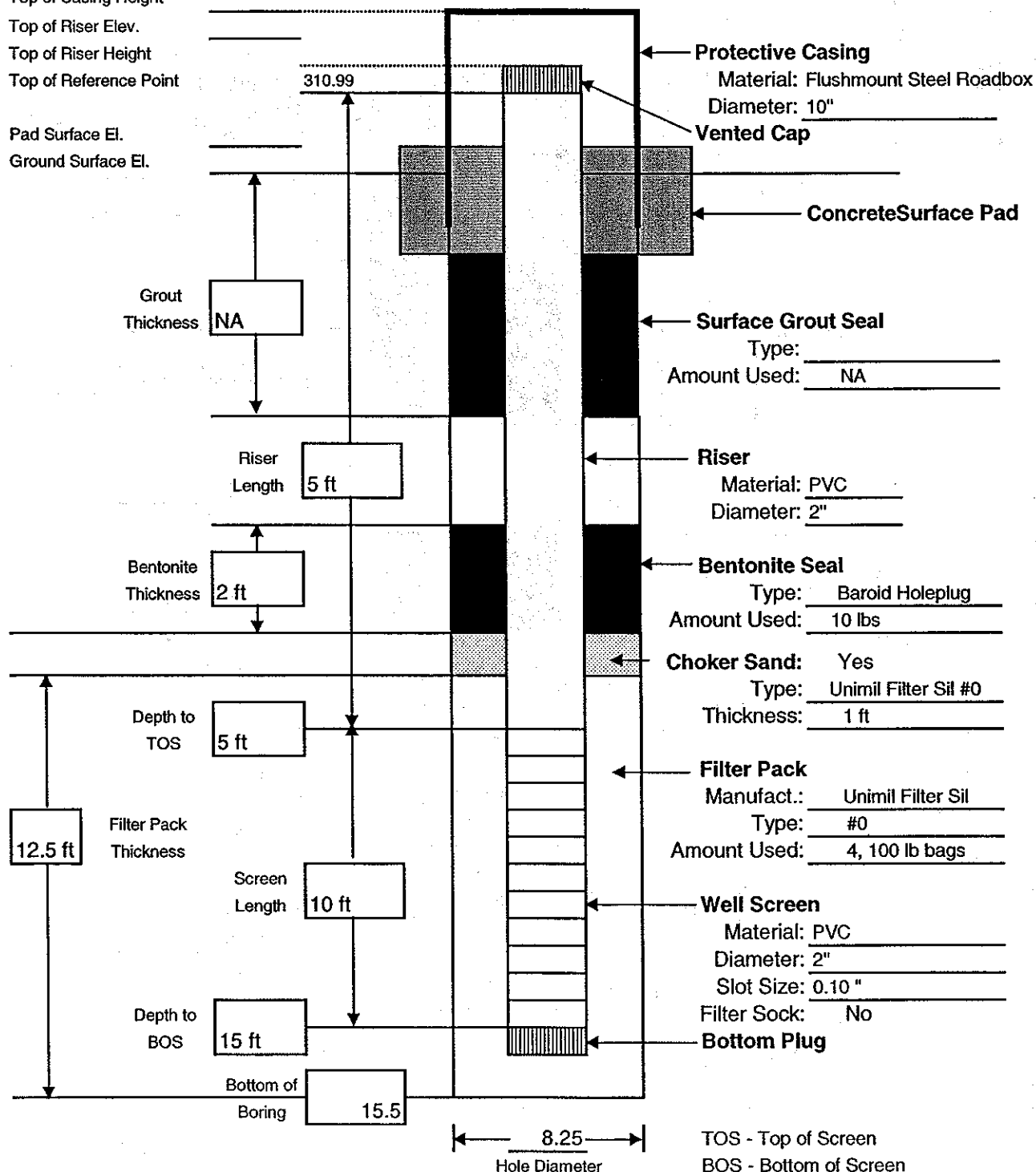
Drilling Method:
HSA to Refusal - Air Hammer to Final Depth

All Depths in feet below ground surface

Survey Coordinates

Northing (Y):
Easting (X):

Top of Casing Elev. _____
Top of Casing Height _____
Top of Riser Elev. _____
Top of Riser Height _____
Top of Reference Point _____
Pad Surface El. _____
Ground Surface El. _____





**ANEPTEK
CORPORATION
Well Completion Log**

Client/Project/Contract No.: DAHA90-93-D-0003

Site 6 SDC ANG-Schenectady ANGB

Well/Boring No.: 6MW-17

Logged By:

J. Donovan

Date/Time Started

6/21/2002 (0820)

Date/Time Finished

6/21/2002 (0910)

Drilling Contractor:

B.L. Myers Bros.

Drilling Rig Make/Model:

Mobile Drill B-61

Drilling Method:

HSA to Refusal - Air Hammer to Final Depth

All Depths in feet below ground surface

Survey Coordinates

Northing (Y): _____

Easting (X): _____

Top of Casing Elev. _____

Top of Casing Height _____

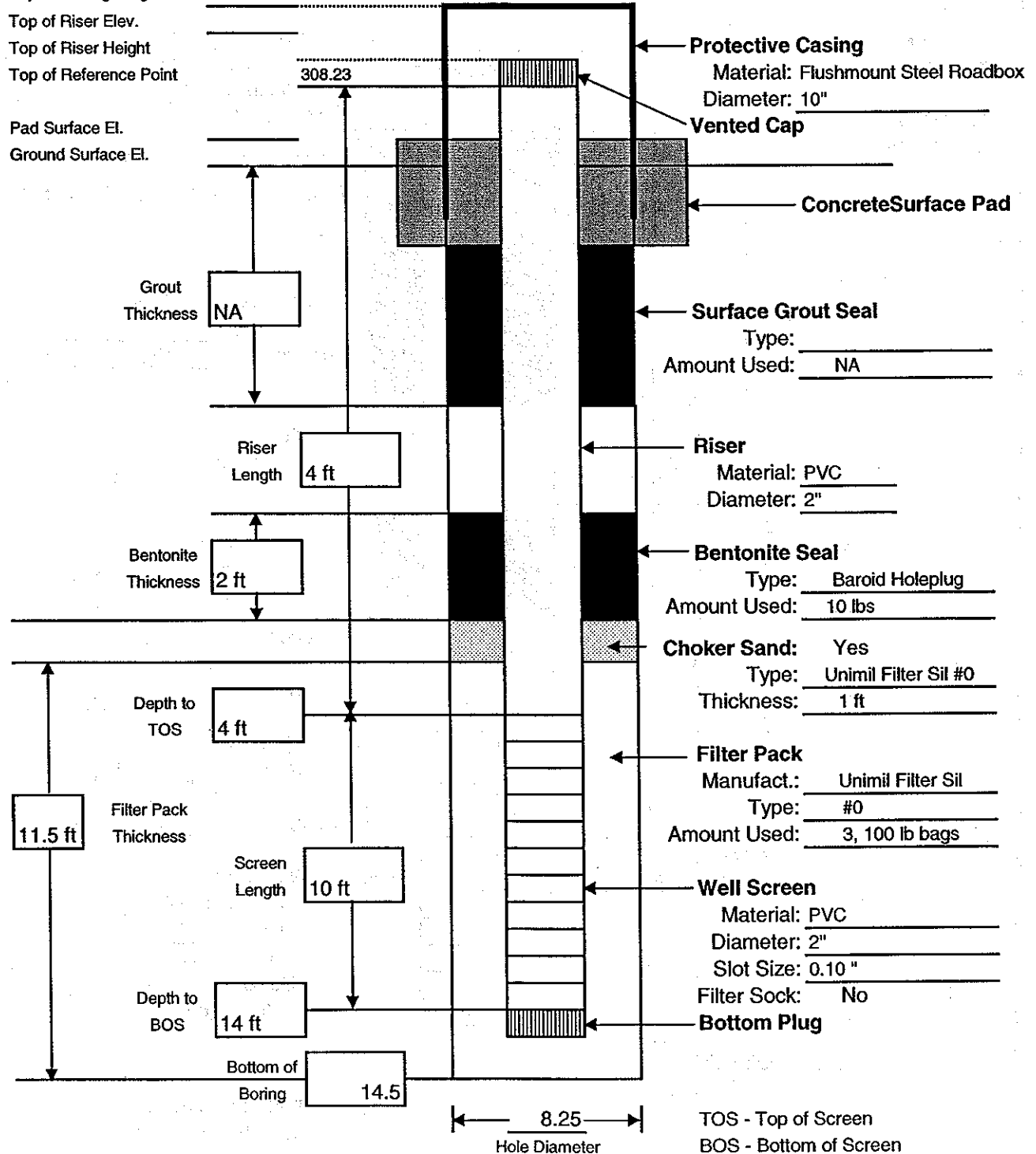
Top of Riser Elev. _____

Top of Riser Height _____

Top of Reference Point _____

Pad Surface El. _____

Ground Surface El. _____



**ANEPTEK****CORPORATION****Well Completion Log**

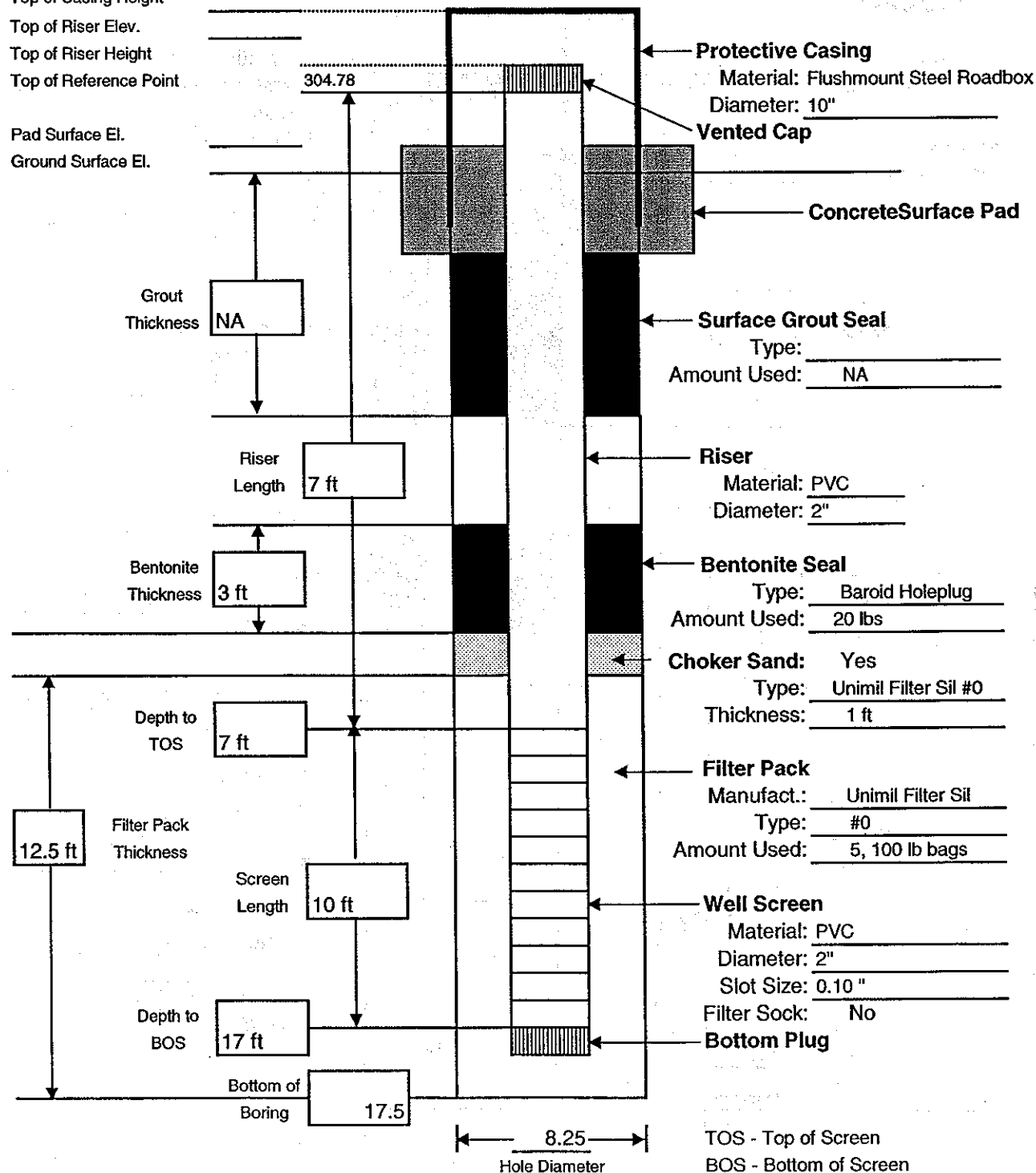
Client/Project/Contract No.: DAHA90-93-D-0003

Site 6 SDC ANG-Schenectady ANGB

Well/Boring No.: 6MW-18

Logged By:
J. DonovanDate/Time Started
6/20/2002 (1536)Date/Time Finished
6/20/2002 (1555)Drilling Contractor:
B.L. Myers Bros.Drilling Rig Make/Model:
Mobile Drill B-61Drilling Method:
HSA to Refusal - Air Hammer to Final Depth

All Depths in feet below ground surface

Survey CoordinatesNorthing (Y): _____
Easting (X): _____Top of Casing Elev. _____
Top of Casing Height _____
Top of Riser Elev. _____
Top of Riser Height _____
Top of Reference Point _____Pad Surface El. _____
Ground Surface El. _____



**ANEPTEK
CORPORATION
Well Completion Log**

Client/Project/Contract No.: DAHA90-93-D-0003		Well/Boring No.: 6MW-19
Site 6 SDC ANG-Schenectady ANGB		
Logged By: J. Donovan	Date/Time Started: 6/20/2002 (1435)	Date/Time Finished: 6/20/2002 (1520)

Drilling Contractor: B.L. Myers Bros.	Drilling Rig Make/Model: Mobile Drill B-61	Drilling Method: HSA to Refusal - Air Hammer to Final Depth
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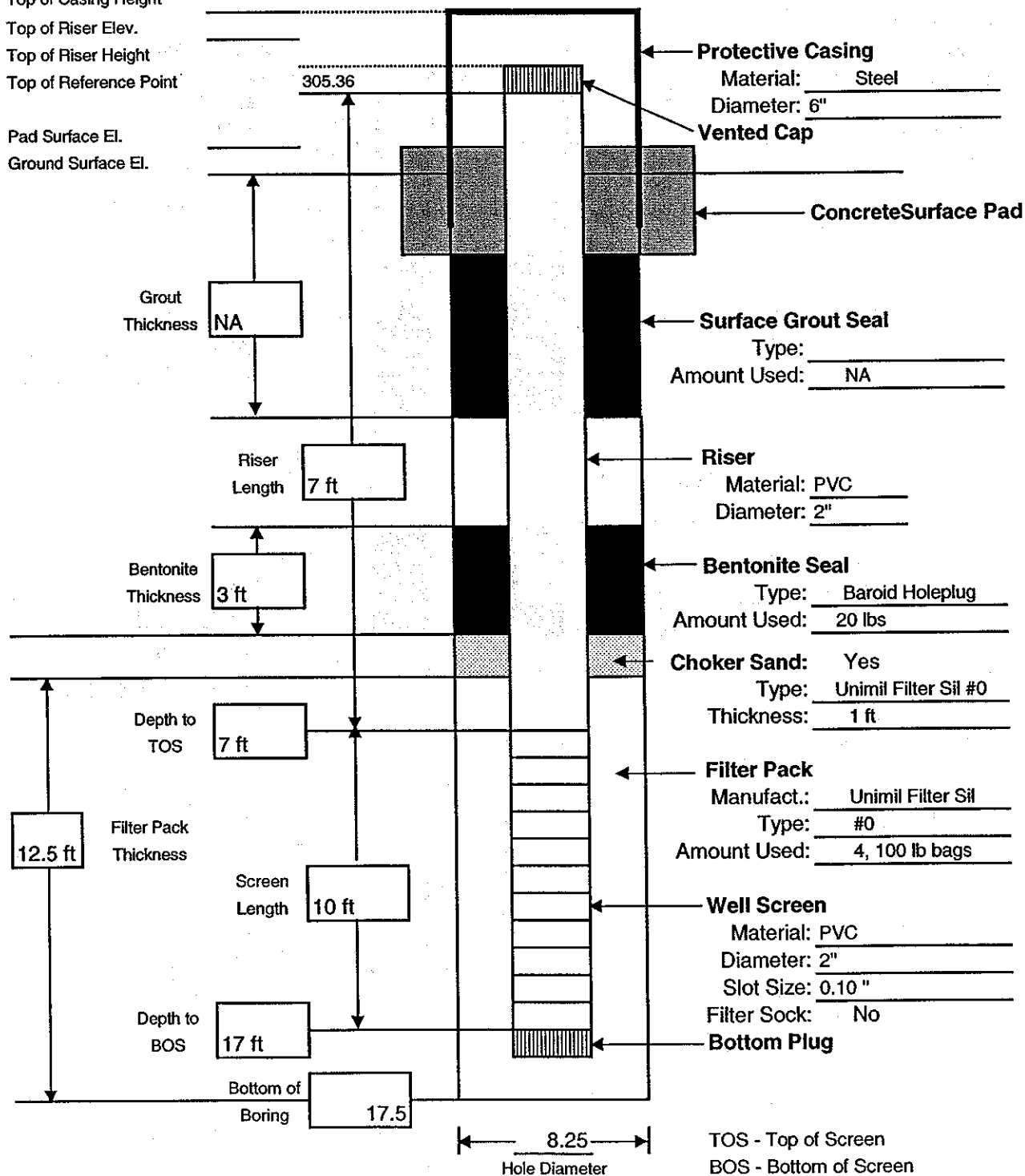
All Depths in feet below ground surface

Survey Coordinates

Northing (Y): _____
Easting (X): _____

Top of Casing Elev. _____
Top of Casing Height _____
Top of Riser Elev. _____
Top of Riser Height _____
Top of Reference Point _____

Pad Surface El. _____
Ground Surface El. _____





**ANEPTEK
CORPORATION
Well Completion Log**

Client/Project/Contract No.: DAHA90-93-D-0003

Site 6 SDC ANG-Schenectady ANGB

Well/Boring No.: 6MW-20

Logged By:
J. Donovan

Date/Time Started
6/20/2002 (1110)

Date/Time Finished
6/20/2002 (1230)

Drilling Contractor:
B.L. Myers Bros.

Drilling Rig Make/Model:
Mobile Drill B-61

Drilling Method:
HSA to Refusal - Air Hammer to Final Depth

All Depths in feet below ground surface

Survey Coordinates

Northing (Y):
Easting (X):

Top of Casing Elev. 305.6

Top of Casing Height

Top of Riser Elev.

Top of Riser Height

Top of Reference Point

Pad Surface El.

Ground Surface El.

Grout
Thickness

NA

Riser
Length

5 ft

Bentonite
Thickness

2 ft

Depth to
TOS

5 ft

Filter Pack
Thickness

11.5 ft

Screen
Length

10 ft

Depth to
BOS

15 ft

Bottom of
Boring

15.5

Protective Casing

Material: Steel

Diameter: 6"

Vented Cap

Concrete Surface Pad

Surface Grout Seal

Type:

Amount Used: NA

Riser

Material: PVC

Diameter: 2"

Bentonite Seal

Type: Baroid Holeplug

Amount Used: 10 lbs

Choker Sand: Yes

Type: Unimil Filter Sil #0

Thickness: 1 ft

Filter Pack

Manufact.: Unimil Filter Sil

Type: #0

Amount Used: 2, 100 lb bags

Well Screen

Material: PVC

Diameter: 2"

Slot Size: 0.10"

Filter Sock: No

Bottom Plug

8.25
Hole Diameter

TOS - Top of Screen
BOS - Bottom of Screen



Site 6 SDC ANG-Schenectady ANGB

6MW-21

Date/Time Started
6/21/2002 (0730)

Date/Time Finished
6/21/2002 (0810)

Drilling Contractor:
B.L. Myers Bros.

Drilling Rig Make/Model:
Mobile Drill B-61

Drilling Method:
HSA to Refusal - Air Hammer to Final Depth

All Depths in feet below ground surface

Survey Coordinates

Top of Casing Elev.
Top of Casing Height
Top of Riser Elev.
Top of Riser Height
Top of Reference Point

Northing (Y): _____
 Easting (X): _____

Pad Surface El.
Ground Surface El.

- Protective Casing
Material: Steel
Diameter: 6"

- Vented Cap

- ConcreteSurface Pad

Grout Thickness	NA
-----------------	----

- Surface Grout Seal
Type: _____
Amount Used: NA

Riser Length	5 ft
--------------	------

Riser
Material: PVC
Diameter: 2"

Bentonite Thickness	2 ft
---------------------	------

Bentonite Seal
Type: Baroid Holeplug
Amount Used: 20 lbs

Depth to TOS 5 ft

Choker Sand: Yes
Type: Unimil Filter Sil #00
Thickness: 1 ft

12.1	Filter Pack Thickness
------	-----------------------


Filter Pack	
Manufact.:	Unimil Filter Sil
Type:	#0
Amount Used:	5, 100 lb bags

Screen Length	10 ft
---------------	-------

- Well Screen
Material: PVC
Diameter: 2"
Slot Size: 0.10 "
Filter Sock: No

Depth to BOS	15 ft
--------------	-------

Bottom of Boring	17.1
------------------	------



Hole Diameter

TOS - Top of Screen
BOS - Bottom of Screen