Delta
Environmental
Consultants, Inc.

STEEL TREATERS, INC.

NYS VOLUNTARY CLEANUP PROGRAM
SUPPLEMENTARY SITE INVESTIGATION REPORT
520 CAMPBELL AVENUE
TROY, NEW YORK
VCP SITE ID NUMBER V00578-4

28 APRIL 2005

Prepared for:

Steel Treaters, Inc.
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Troy, NY 12180

Prepared by:

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Delta Project No. 0209003P

Inogen Environmental Alliance

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1.0 INTRODUCTION

On behalf of Steel Treaters, Inc. (STI), Delta Environmental Consultants, Inc. (Delta) performed a supplementary site investigation at the subject site to further evaluate the presence, nature and extent of known/suspected volatile organic compounds (VOCs) in soil and groundwater beneath the site. The scope of work was performed as described in a NYSDEC-approved Work Plan Addendum, dated 17 August 2004. All work was performed under the authority of a Voluntary Cleanup Agreement (VCA) between STI and NYSDEC dated 19 September 2003 (VCA No. V00578-4).

The scope of work described herein, and as prescribed in the above-referenced Work Plan Addendum, was based on the results of previous investigation work conducted at the site, as previously summarized in a 4 June 2004 report to NYSDEC entitled, Site Investigation Report, prepared by InteGreyted International, LLC (now part of Delta).

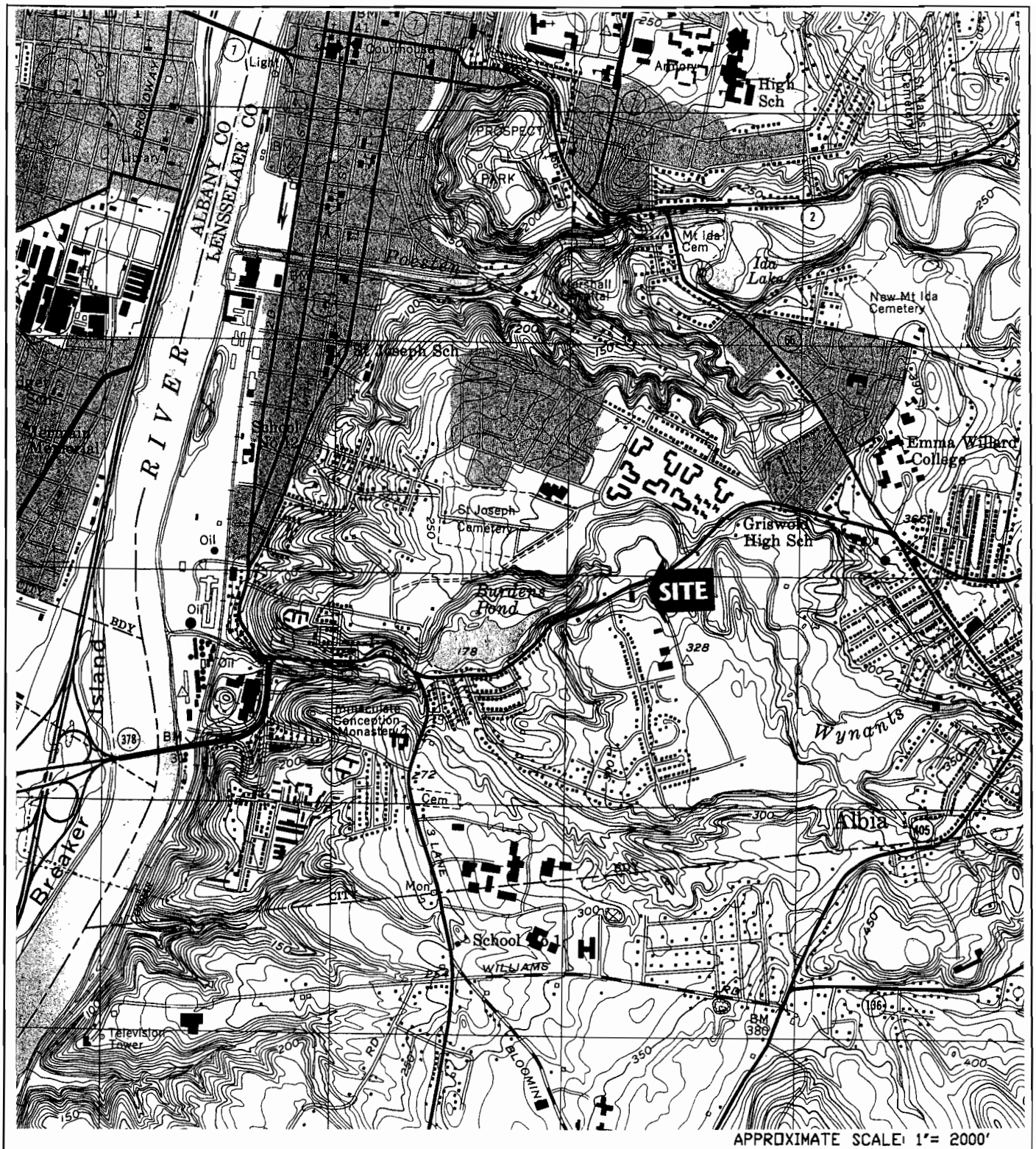
2.0 *SITE LOCATION / PHYSICAL SETTING*

The subject site is located at 520 Campbell Avenue (Latitude 042° 42' 27" N, Longitude 070° 73' 66" W), in the City of Troy, Rensselaer County, New York (Figure 2-1). The site is located in the Troy Industrial Park and consists of approximately 1.13 acres of industrial property (Tax Map No. 112-4-25), which is owned by STI. The site is occupied by an approximately 8,400-square-foot building, which is located on the northern half of the property (Figure 2-2). Asphalt parking lots are located along the northern and western sides of the building.

The on-site building experienced a fire on 24 February 2005. As of the date of this report, access to the building was available, but limited. The fate of the building and on-site operations were being evaluated at the time of this report.

The southern half of the property is occupied by wooded area. Site topography is moderately sloping across the northern portion of the site; however, across the eastern and southern portions of the site topography slopes steeply upward.

The site is located in an area of mixed land usage, including commercial, residential, and educational usage. Campbell Avenue and a variety of commercial properties border the site to the north. Undeveloped woods, Industrial Park Avenue and residential properties border the site to the east. Undeveloped woods and residential properties also border the site to the south. A car wash borders the site to the west.

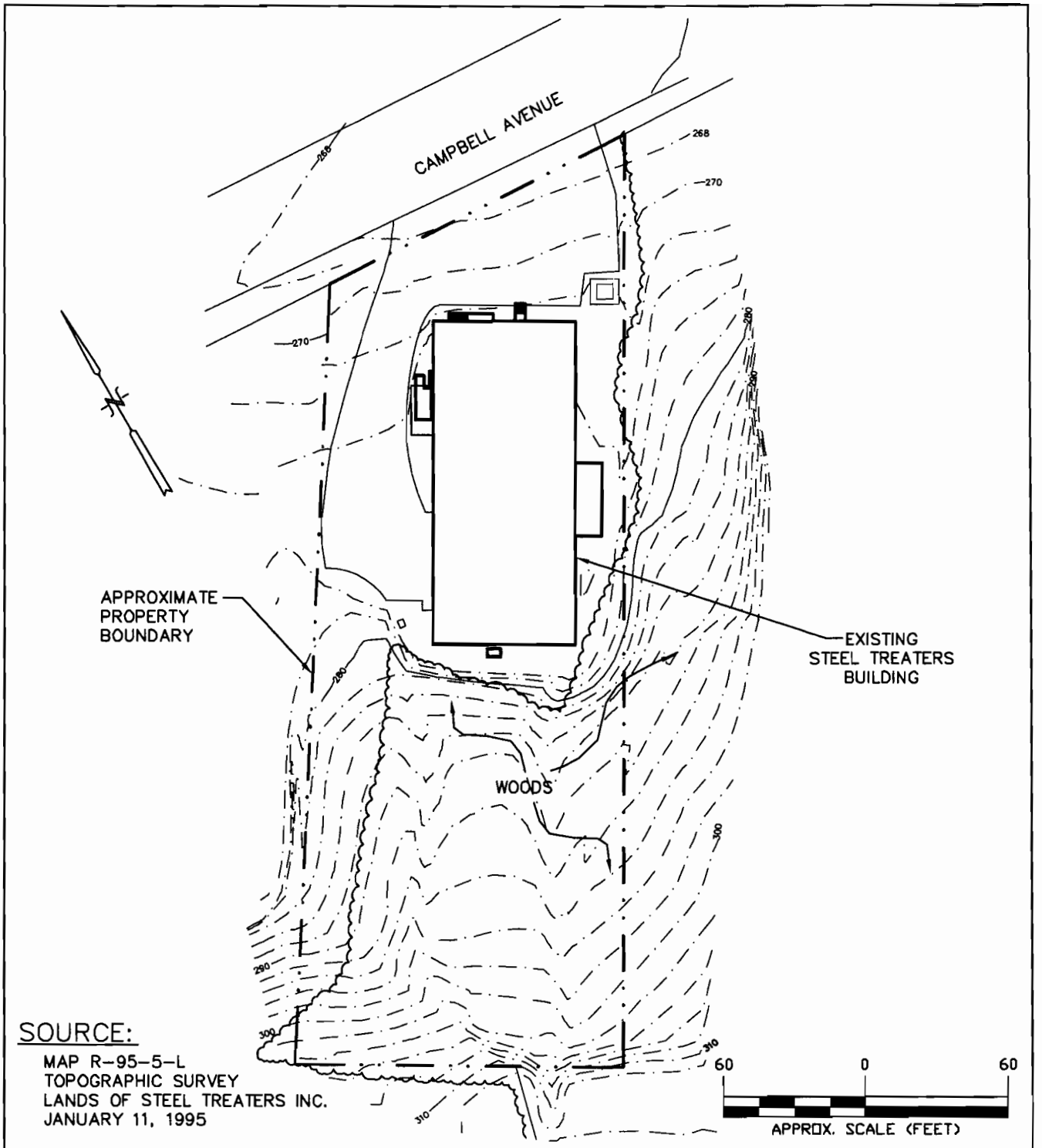


SITE LOCATION MAP

STEEL TREATERS
520 CAMPBELL AVENUE
TROY, NY

PROJECT NO.	PREPARED BY	DRAWN BY
0209003P	MTG	
DATE	REVIEWED BY	FILE NAME
04/25/05		FIG. 2-1

Delta Environmental Consultants Inc.



SOURCE:

MAP R-95-5-L
TOPOGRAPHIC SURVEY
LANDS OF STEEL TREATERS INC.
JANUARY 11, 1995

SITE PLAN

STEEL TREATERS
520 CAMPBELL AVENUE
TROY, NY

PROJECT NO.	PREPARED BY	DRAWN BY
0209003P	MTG	
DATE	REVIEWED BY	FILE NAME
04/25/05		FIG. 2-2

Delta Environmental Consultants Inc.

3.0 *SITE INVESTIGATION SCOPE OF WORK*

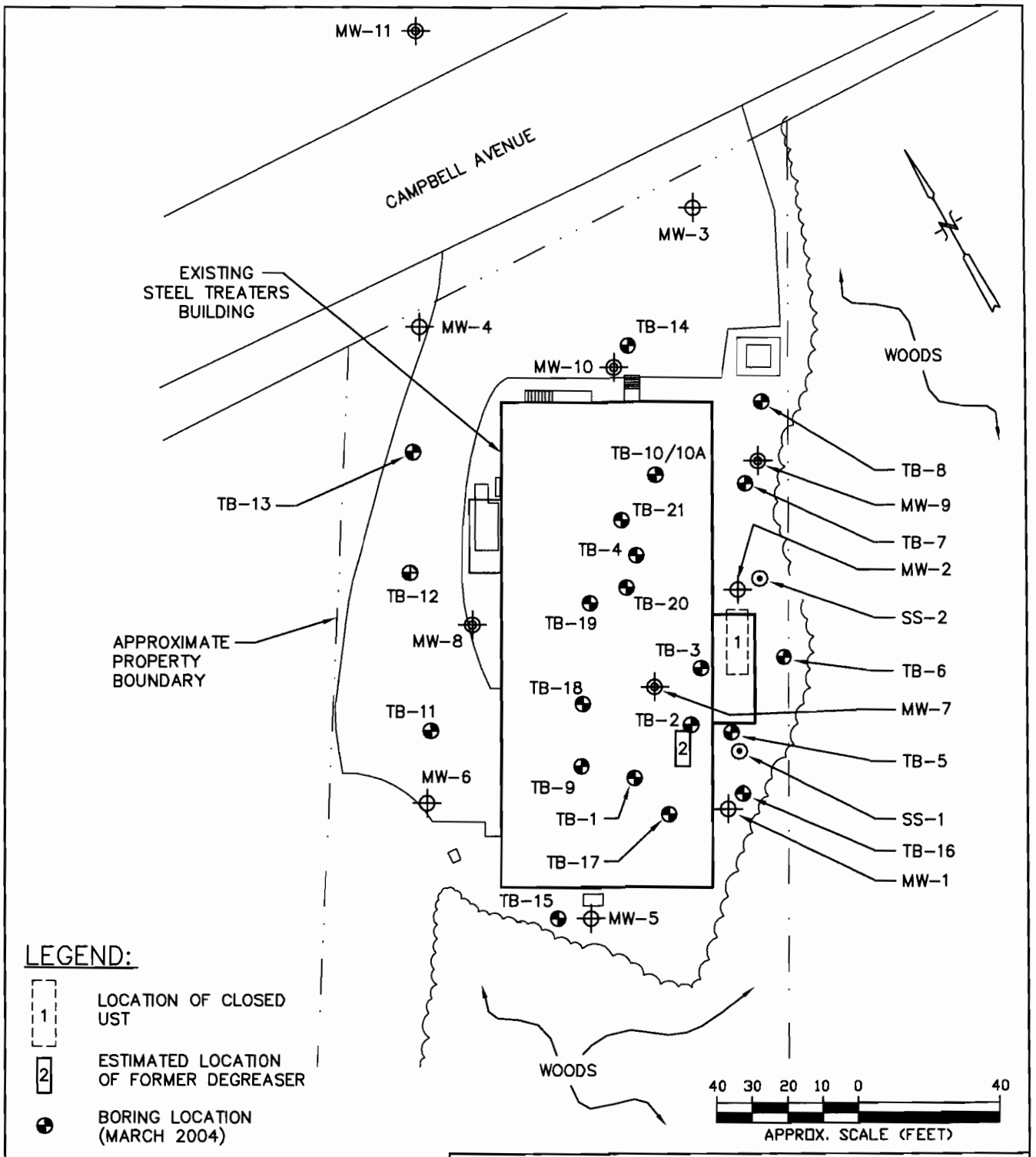
This section describes the tasks that were completed in various areas of concern, and across the site as a whole during Delta's September 2004 - April 2005 Voluntary Cleanup Program (VCP) Supplementary Site Investigation. Detailed specifications, field procedures and methodologies associated with the various tasks are presented accordingly.

A detailed site history, along with the results of previous assessments and investigations at the site which led to the development of the work scope described herein, were provided in InteGreyted's 29 October 2003 VCP Work Plan and also in InteGreyted's 4 June 2004 Site Investigation Report, as previously referenced above.

3.1 *SOIL INVESTIGATION*

A supplementary soil boring program was completed in September 2004 primarily to provide additional delineation and characterization in the identified source area (former parts degreaser pit, Figure 3-1). In addition, soil borings were completed in the southern-most areas of the site to evaluate unaffected soil conditions and their associated qualities as they may relate to potential remedial alternatives. The soil boring program was completed in accordance with InteGreyted's 17 August 2004 Work Plan Addendum, with the exception of minor adjustments to several of the boring locations due to site features (i.e., interior machinery and equipment, utilities, etc).

Additional details pertaining to the soil boring program and any variances from the Work Plan are described below.



LEGEND:

- 1 — LOCATION OF CLOSED UST
- 2 — ESTIMATED LOCATION OF FORMER DEGREASER
- BORING LOCATION (MARCH 2004)
- SOIL BORING LOCATION (SEPT 2004)
- MONITORING WELL LOCATION (MARCH 2004)
- MONITORING WELL LOCATION (SEPT 2004/JAN 2005)
- SURFACE SOIL SAMPLING LOCATION (2004)

SAMPLING LOCATION MAP
MARCH 2004–APRIL 2005

STEEL TREATERS
520 CAMPBELL AVENUE
TROY, NY

PROJECT NO.	PREPARED BY	DRAWN BY
0209003P	MTG	
DATE	REVIEWED BY	FILE NAME
04/26/05		FIG. 3-1

Delta Environmental Consultants Inc.

3.1.1 Soil Boring Installations

Ten soil borings (TB-1, TB-4, TB-10A, and TB-15 through TB-21) were advanced across the site using "direct-push" soil sampling techniques (refer to Figure 3-1 for soil boring locations). Soil cores were collected from grade to the top of bedrock at all soil boring locations. A geologist logged all soil samples and representative sections were placed in re-sealable plastic bags pending screening. After a period of approximately ten minutes, the headspace of the sample container was scanned with a photonization detector (PID) to screen for the potential presence of VOCs. The results of the PID screening are discussed in Section 4.0, and copies of the respective soil boring logs are provided as Attachment 1.

A summary of the purpose and intent of the soil boring locations is presented below.

- TB-1 and TB-17: These soil boring locations were situated within the building, with the intention of monitoring soil quality along the upgradient perimeter of what was estimated to be the extent of the source area (i.e., upgradient of the former degreaser pit). Note that TB-1 was a boring location previously slated for completion back in March 2004; however underground utility considerations delayed its completion until the September 2004 round of investigation work.

- TB-19 through TB-21, TB-4, and TB-10A: These soil borings were situated progressively downgradient of the former degreaser pit to assist in estimating the extent of the historical effects of the former degreaser pit location on the underlying soil quality. Note that TB-4 was a boring location previously slated for completion back in March 2004; however underground utility and access considerations delayed its completion until the September 2004 round of investigation work. TB-10 was completed back in March 2004; however, not to the desired depth due to unknown obstructions (potential utilities). A new soil boring, TB-10A, was conducted in September 2004 at the TB-10 location after the area was cleared of utilities, with the final desired depths achieved successfully.

- TB-15 and TB-16: These two soil borings were intentionally located in an area free of contamination in order to collect soil samples for Total Organic Carbon (TOC) analysis representative of background TOC conditions. The TOC background soil quality results ultimately assisted with contaminant mass estimations as they related to soil adsorption characteristics.

3.1.2 Soil Sampling

Based on visual observations, odors, and PID screening data, nine soil samples from eight soil borings (TB-1, TB-4, TB-1-A, and TB-17 through TB-21) were selected for laboratory analysis. All soil samples were selected based on worst case conditions (i.e., generally the highest PID headspace reading amongst the recovered soil samples from each soil boring) with the exception of a second sample collected from soil boring TB-18 (10'-12'), which was collected to confirm the suspected absence of constituents of concern.

Soil samples were analyzed for VOCs (USEPA Method 8260) by a NYSDOH ELAP-certified laboratory that participates in the Contract Laboratory Program (CLP). Laboratory analytical procedures adhered to NYS ASP 2000 methodologies and protocols.

VOC analytical results were reported using NYSDEC ASP 2000 Category B deliverables. Copies of the laboratory Form I Reports are provided in Attachment 2. Copies of the original laboratory reports are provided under separate cover. Site-specific quality assurance and quality control (QA/QC) samples, including a matrix spike (MS), matrix spike duplicate (MSD) and sample duplicate, were also collected. The locations at which the QA/QC samples were collected are noted on Table 4-3 in Section 4.0.

Following receipt, the analytical data were checked for completeness and accuracy, and then validated by an independent NYSDEC-approved data validation chemist, and Data Usability Summary Reports (DUSR) were prepared. Tables 4-3 in Section 4.0 reflect the

appropriate data qualifiers applied as a result of the data validation process (i.e., J = estimated, etc). Copies of the DUSRs are provided in Attachment 3.

In addition to the samples discussed above, one soil sample was collected from depths below the water table from borings TB-15 (7'-7.5') and TB-16 (7'-8') for total organic carbon (TOC) analysis.

3.2 HYDROGEOLOGIC INVESTIGATION

Five new monitoring wells were installed between September 2004 and January 2005 to complement the existing six monitoring wells that were installed at the site back in March 2004. Each of the five new monitoring wells were installed and sampled in accordance with the Work Plan Addendum.

The intent of the new monitoring wells was to further characterize the overburden groundwater regime beneath the site regarding depth to groundwater, shallow groundwater flow direction, and the potential presence of VOCs in the groundwater. In particular, and as discussed previously in InteGreyted's 4 June 2004 Site Investigation Report, chlorinated VOCs were identified as a primary constituent of concern.

The following paragraphs describe the locations of the monitoring wells and the procedures used to install the monitoring wells. Results of the sampling are discussed in Section 4.0.

3.2.1 Monitoring Well Installations

Five new monitoring wells (MW-7 to MW-11) were installed at the site, and in the case of MW-11 immediately off-site, to a maximum depth of approximately 20 feet below the existing grade, or to the top of bedrock (i.e. drilling equipment refusal), whichever was less. Four and one quarter inch (4.25") inside-diameter (ID) hollow-stem auger (HSA) drilling techniques were used to install the monitoring wells. The monitoring well locations are shown on Figure 3-1. Bedrock (and, as a result, equipment refusal) was

encountered at each of the monitoring wells locations, except MW-9, which was completed to a total depth of 19.6 feet below existing grade. Table 3-1 summarizes the final depths and construction of each well.

During drilling activities, auger cuttings were logged and field screened with a PID by a geologist to monitor for the potential presence of VOC vapors. Split-spoon soil samples were not collected during well installation activities, with the exception of monitoring well location MW-11 where split-spoon samples were collected at five-foot intervals to assist in evaluating off-site soil and groundwater conditions as they related to the installation of monitoring well MW-11.

Each monitoring well was constructed of two-inch ID PVC riser and 0.01-inch slotted PVC well screen. The well screens were installed at the shallowest possible depths such that proper well construction could be maintained in accordance with the Work Plan Addendum, and were extended down to the bottom of the boring in all cases. Screen lengths varied from five feet to ten feet in length at each monitoring well location, depending on the respective depth to bedrock encountered at each monitoring well location.

A sand pack was installed around the well screen and extended one to two feet above the top of the well screen. A minimum 1.8-foot-thick bentonite pellet seal was then placed above the sand pack and cement/bentonite grout was utilized to backfill the remainder of the well annulus. Each of the new monitoring wells was completed with a flush-mounted steel protective curb box or a protective steel casing. Following installation, reference points were marked on the top of each well casing. All generated wastes (soil cuttings) were staged on, and covered with, plastic pending proper management.

A summary of the new monitoring well locations is presented below.

- MW-7: This monitoring well was located immediately downgradient of the former degreaser pit location to monitor what was estimated as worst case groundwater quality conditions.

Table 3-1
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Summary of Well Construction Details
Delta Project No. 0209003P

March 2004 - Jamuary 2005

Monitoring Wells	Flushmount (F) or Stickup (S)	Screened Interval (feet below grade)	Sandpack (feet below grade)	Bentonite Seal (feet below grade)	Elevation Top of Casing	Ground Elevation
MW-1	S	4-19	2-19	1-2	278.13	275.20
MW-2	S	5-20	3-20	2-3	277.57	274.60
MW-3	F	5-17	3-17	2-3	267.71	268.30
MW-4	F	4-8	2-8	1-2	268.52	269.10
MW-5	S	4.3-8.3	2-8.3	1-2	277.81	275.00
MW-6	F	4.3-11.3	2-11.3	1-2	274.65	275.01
MW-7	F	4.9-14.9	3-14.9	1-3	274.98	275.42
MW-8	F	5-10	3-10	1-3	274.45	274.85
MW-9	S	9.6-19.6	7-19.6	5-7	277.23	274.40
MW-10	F	6.4-16.4	4.2-16.4	1-4.2	271.19	271.69
MW-11	F	4-13	2.3-13	0.5-2.3	267.68	267.95

- MW-8 and MW-9: These monitoring wells were located along the western and eastern sides of the building respectively to assist in determining the western and eastern extents respectively of VOC concentrations in groundwater beneath the site.
- MW-10: This monitoring well was located immediately downgradient of the building to monitor groundwater quality in the downgradient portion of the site but upgradient of the perimeter of the site.
- MW-11: This monitoring well was located off-site, across Campbell Avenue to monitor the most immediate groundwater quality conditions off-site.

3.2.2 Well Development

Well development of the five newly installed monitoring wells was completed on 2 February 2005, approximately one week after completion of the final monitoring well. Low-flow development techniques were accomplished with a disposable bailer at each well location to develop each of the newly-installed monitoring wells. Each well was developed until field parameters (pH, conductivity, and temperature) stabilized. Development water from the wells was checked periodically for the presence of a sheen, odor, or free product, and subsequently discharged to the ground surface if no sheen or product was noted or, in the case of MW-7, containerized pending proper management due to the presence of a sheen on the purge water. Table 3-2 summarizes the well development activities.

3.2.3 Groundwater Sampling

Groundwater sampling was conducted on 9 February 2005, approximately one week after final development of each new monitoring well was complete. Samples were collected from the six existing monitoring wells (MW-1 through MW-6) and the five new monitoring wells (MW-7 through MW-11). Static water levels were measured in each monitoring well prior to sampling. Each monitoring well was then purged of a minimum of three well volumes prior to sampling. Wells were purged using low-flow purging techniques using dedicated disposable bailers. Purge water was

Table 3-2
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Well Development Data (February 2005)
Delta Project No. 0209003P

Well MW-7

Date	Time	Depth to Water (feet)	Well Volume (gallons)	Volume Removed (gallons)	Temp. (degrees F)	Specific Conductance (milliseimens/cm)	pH	Turbidity (NTUs)	Comments
2/2/05	10:50	4.71	1.6						
	13:50			(1st bailer)	57.0	1405	6.92	>200	sudsy, slipperly water
	14:00			5	55.3	1330	6.95	>200	
	14:15			3.5	59.1	1207	6.94	>200	

Total removed: 5.3 volumes 8.5 gallons

Well MW-8

Date	Time	Depth to Water (feet)	Well Volume (gallons)	Volume Removed (gallons)	Temp. (degrees F)	Specific Conductance (milliseimens/cm)	pH	Turbidity (NTUs)	Comments
2/2/05	13:05	5.58	0.7						
	13:15			2	49.6	465	7.19	>200	light brown, cloudy
	13:20			1.5					bailed dry
	14:30			2	46.2	505	7.23	>200	bailed dry

Total Removed 7.9 volumes 5.5 gallons

Well MW-9

Date	Time	Depth to Water (feet)	Well Volume (gallons)	Volume Removed (gallons)	Temp. (degrees F)	Specific Conductance (milliseimens/cm)	pH	Turbidity (NTUs)	Comments
2/2/05	10:55	9.55	2.3						
	11:15			(1st bailer)	44.5	382	6.95	13.85	
	11:30			2	44.2	373	6.94	>200	grey brown, turbid
	11:40			2	45.8	459	6.95	>200	light grey
	11:50			1.5	45.9	448	6.93	>200	very turbid, muddy
	12:10			1.5	46.4	478	6.95	>200	moderately cloudy
	12:40			2	45.4	476	6.97	>200	
	13:00			3	46.2	508	6.96	>200	grey brown, cloudy
	13:25			3	46.6	523	6.97	>200	
	14:00			1					

Total Removed 7 volumes 16 gallons

Table 3-2 (Continued)
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Well Development Data (February 2005)
Delta Project No. 0209003P

Well MW-10

Date	Time	Depth to Water (feet)	Well Volume (gallons)	Volume Removed (gallons)	Temp. (degrees F)	Specific Conductance (milliseimens/cm)	pH	Turbidity (NTUs)	Comments
2/2/05	10:58	7.7	1.35						
	12:15			(1st bailer)	42.3	428	6.98	26.7	
	12:30			2	44.7	489	6.93	>200	brown, muddy
	12:50			5	46.3	468	6.94	>200	brown, very muddy
	12:55			3					nearly dry
		Total Removed	7.4 volumes	10 gallons					

Well MW-11

Date	Time	Depth to Water (feet)	Well Volume (gallons)	Volume Removed (gallons)	Temp. (degrees F)	Specific Conductance (milliseimens/cm)	pH	Turbidity (NTUs)	Comments
2/2/05	11:05	12.35	0.08						
	11:55			0.11	44.2	715	6.98	>200	brown, cloudy, bailed dry
	12:25			0.05	42.4	720	7.05	>200	bailed dry
	13:10			0.05	46.6	815	7.12	>200	bailed dry
	14:45			0.05	43.3	850	7.05	>200	bailed dry
		Total Removed	2 volumes	0.16 gallons					

discharged directly to the ground surface at all monitoring well locations with the exception of monitoring well locations MW-7, and MW-2 where it was containerized pending proper management (due to sheens noted previously during well development activities).

Following purging, groundwater samples were collected from each well with a dedicated disposable polyethylene bailer and rope. Field parameters (pH, temperature, conductivity, and turbidity) and groundwater elevation data were collected from each monitoring well prior to purging (elevation data) and during sampling (field parameters).

A second round of static groundwater elevation measurements were collected on 6 April 2005. Groundwater elevation data was calculated based on the 6 April 2005 static water level measurements, and a groundwater flow map constructed. Results are presented in Section 4.0 of this Report.

Groundwater samples were analyzed for VOCs (USEPA Method 8260) by a NYSDOH ELAP-certified laboratory that participates in the CLP. Laboratory analytical procedures for the 8260 analyses adhered to NYS ASP 2000 methodologies and protocols.

In addition, additional sample volumes from five of the monitoring wells (MW-2, MW-7, MW-8, MW-9, and MW-10) were analyzed for a suite of indicator parameters to assist in evaluating site conditions for potential enhanced bioremediation remedial techniques. These parameters included nitrogen (as ammonia, nitrate+nitrite, and Kjeldahl), sulfide (total), TOC, alkalinity (as $CaCO_3$), chloride, sulfate, dissolved iron, dissolved manganese, total iron, total manganese, and total phosphorous.

VOC analytical results were reported using NYSDEC ASP 2000 Category B deliverables. Site-specific quality assurance and quality control (QA/QC) samples, including a matrix spike (MS), matrix spike duplicate (MSD), field blank and sample duplicate, were also collected. The locations at which the QA/QC samples were collected are noted on Table 4-6 in Section 4.0.

Following receipt, the VOC analytical data were checked for completeness and accuracy, and then validated by a NYSDEC-approved data validation chemist, and Data Usability Summary Reports (DUSR) were prepared. Table 4-6 in Section 4.0 reflects the appropriate data qualifiers applied to the data as a result of the data validation process (i.e., J = estimated, etc). Copies of the DUSRs are provided in Attachment 3.

3.2.4 Hydraulic Conductivity Testing

Hydraulic conductivity testing (i.e., "slug testing") was performed on four monitoring wells (MW-1, MW-2, MW-8, and MW-9) to provide data for input to the calculation of ground water seepage velocities. Field testing procedures consisted of rapidly introducing a slug of one-half gallon to one gallon of distilled water into the well and monitoring the rate that the water level in the well approached its static water level. Water level monitoring was conducted using a twenty pounds-per-square inch (psi) transducer and an In-Situ Model 1000C data logger. Test data were analyzed using the method of Bouwer and Rice (1976), which is appropriate for determining the hydraulic conductivity of an unconfined aquifer from slug test data. Results are presented below in Section 4.0 of this report.

3.3 SURVEYING

The horizontal and vertical locations of each of the newly installed monitoring wells were surveyed by a New York State (NYS) licensed land surveyor and tied into an existing fixed datum point (NGVD 1929) associated with the previously installed monitoring wells on-site. In addition, the locations of all soil boring locations inside the building (including both the March 2004 and September 2004 site investigation events) were surveyed for horizontal control. All vertical elevations were recorded to the nearest 0.01-foot, including top-of-casing elevations for each monitoring well.

3.4 *DATA EVALUATION*

3.4.1 *Soil Sampling Data*

Upon receipt, the analytical data packages were reviewed for completeness and accuracy. The data were then validated, and a DUSR prepared (Attachment 3). Following validation, the data were compared to NYSDEC TAGM 4046-recommended soil cleanup objectives (refer to Section 4.0 for a discussion of the data results).

3.4.2 *Groundwater Sampling Data*

Upon receipt, the analytical data packages were reviewed for completeness and accuracy. The data were then validated, and a DUSR prepared (Attachment 3). Following validation, the data were compared to NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS) ambient water quality standards and guidance values for groundwater. These values were derived from 6 NYCRR Parts 700-705, Water Quality Regulations. Groundwater elevation and flow data were also reviewed and evaluated. A complete discussion of the results of the groundwater sampling and field measurements is provided in Section 4.0.

4.0 RESULTS

The following discussion provides a summary of the results of the September 2004 - April 2005 supplemental investigation work, within the context of the results of the March 2004 site investigation work (as previously reported in InteGreyted's 6 June 2004 Site Investigation Report).

4.1 SOIL

4.1.1 Field Observations and PID Results

Results of the twenty two soil borings and eleven monitoring wells completed at the site between March 2004 and January 2005 indicate that the site is underlain by varying amounts of granular fill (generally one to two feet), overlying natural lacustrine silts and clays. Shale bedrock was encountered beneath the lacustrine clays at depths ranging from 4.5 feet to 28.6 feet below the existing grade. Copies of all soil boring logs from the March 2004, September 2004, and January 2005 drilling events are provided as or in Attachment 1.

Table 4-1 and Figure 4-1 summarize the measured depths to bedrock, and an approximation of the bedrock surface elevation contours, respectively. As inferred from Figure 4-1, the estimated bedrock surface beneath the site generally slopes to the east, with what has been interpreted to be a bedrock trough present beneath the eastern edge of the site, running parallel to the eastern property boundary and sloping to the north. In general, the results of the September 2004-January 2005 soil boring and monitoring well installation work did not significantly change the bedrock elevation contour results reported previously by InteGreyted in June 2004. Figures 4-2, and 4-3 are cross sections derived from the March 2004-January 2005 soil boring and monitoring well data, depicting the estimated bedrock surface elevations beneath the site at the two designated cross-section locations. Figure 4-4 shows the plan location of the cross section lines.

Results of the September 2004 PID field screening (described previously in Section 3.1.1), in addition to the PID screening results from the March 2004 site investigation

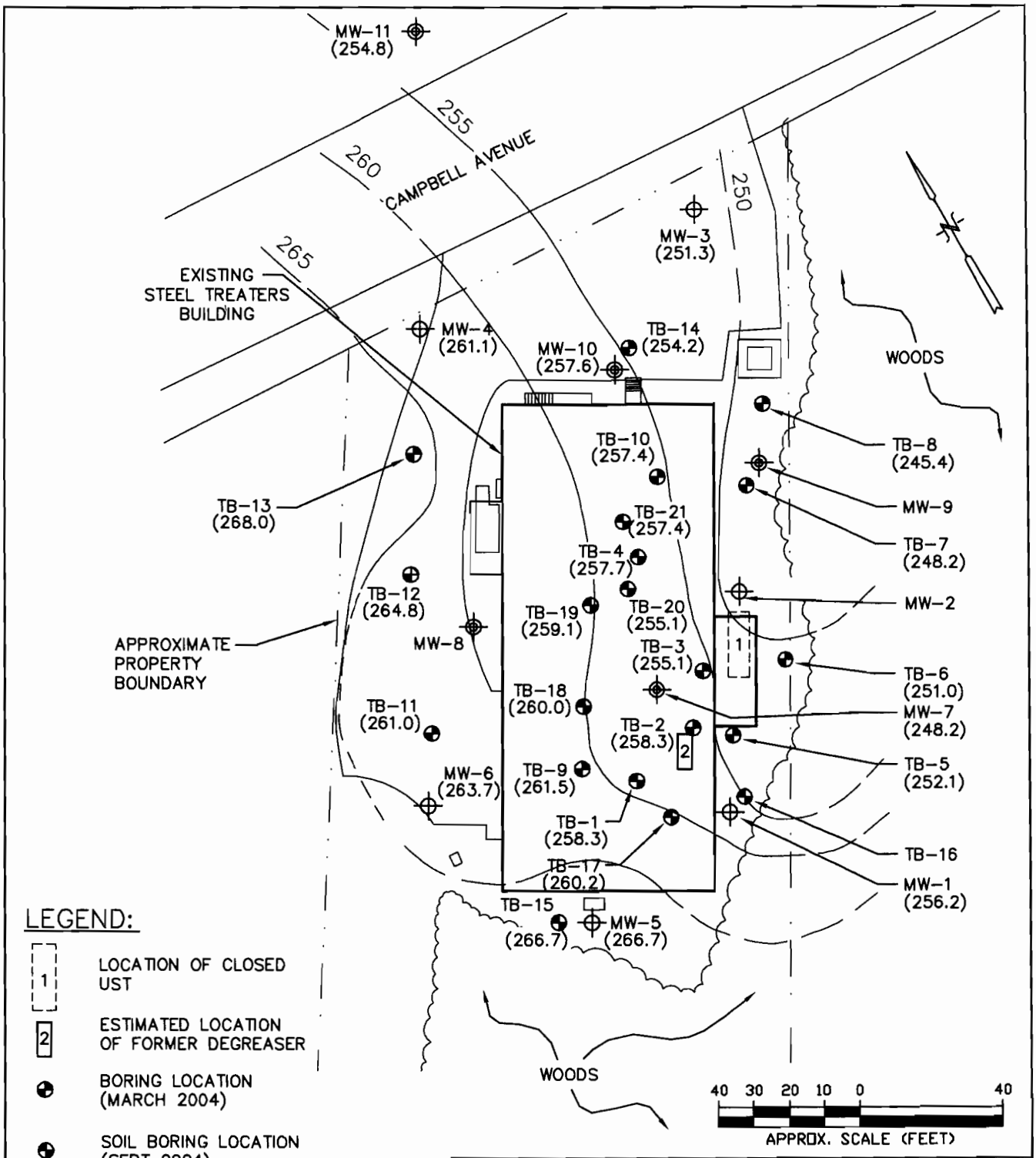
Table 4-1
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Depth to Bedrock Elevations (March 2004 - January 2005)
Delta Project No. 0209003P

Soil Borings	Top of Bedrock (ft below grade and/or floor elev)	Estimated Ground Surface Elevation [1]	Approximate Elevation Top of Bedrock	Notes
TB-1	16.7	275.0	258.3	
TB-2	16.7	275.0	258.3	
TB-3	19.4	275.0	255.6	
TB-4	17.3	275.0	257.7	
TB-5	21.9	274.0	252.1	
TB-6	23.0	274.0	251.0	
TB-7	25.8	274.0	248.2	
TB-8	28.6	274.0	245.4	
TB-9	13.5	275.0	261.5	
TB-10A	17.6	275.0	257.4	
TB-11	14.0	275.0	261.0	
TB-12	9.2	274.0	264.8	
TB-13	4.5	272.5	268.0	
TB-14	16.8	271.0	254.2	
TB-15	8.3	275.0	266.7	
TB-16	>8.0	275.0	<268.0	Bedrock not encountered
TB-17	14.8	275.0	260.2	
TB-18	15.0	275.0	260.0	
TB-19	15.1	275.0	259.9	
TB-20	15.6	275.0	259.4	
TB-21	17.6	275.0	257.4	

Monitoring Wells	Top of Bedrock (ft below grade and/or floor elev)	Estimated Ground Surface Elevation [1]	Approximate Elevation Top of Bedrock	Notes
MW-1	19	275.2	256.2	
MW-2	>20.0	274.6	<254.6	Bedrock not encountered
MW-3	17	268.3	251.3	
MW-4	8	269.1	261.1	
MW-5	8.3	275.0	266.7	
MW-6	11.3	275.0	263.7	
MW-7	15.0	275.0	260.0	
MW-8	10.0	275.0	265.0	
MW-9	>19.6	274.0	<254.4	Bedrock not encountered
MW-10	16.4	274.0	257.6	
MW-11	11.3	266.0	254.7	

Notes:

[1] Ground surface elevation (NGVD 1929) as inferred from a 1/11/95 Topographic Survey prepared by Charles E. Hartnett, PLS, and as inferred from a 4/19/04 Monitoring Well Location survey, also prepared by Charles E. Hartnett, PLS



LEGEND:

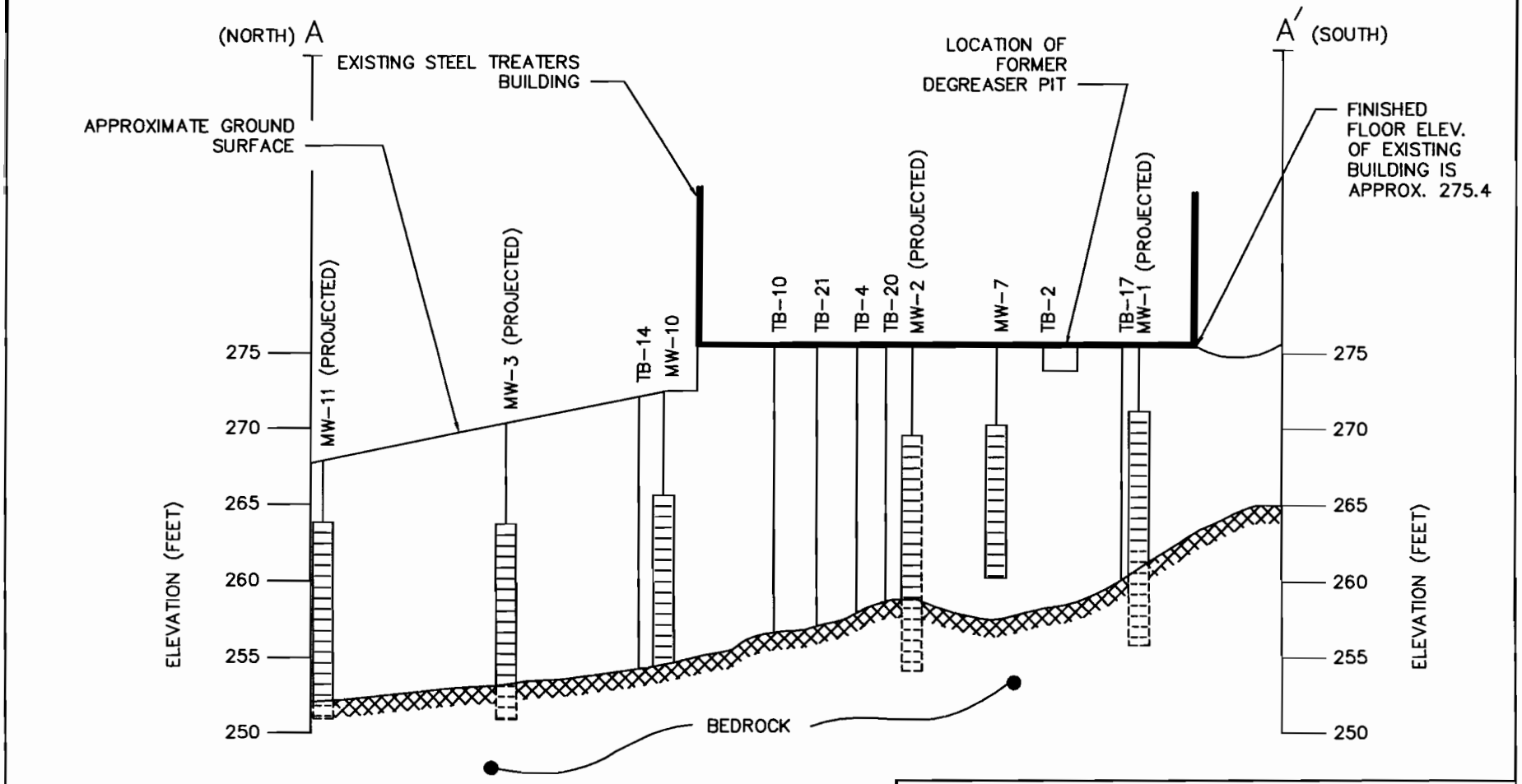
- LOCATION OF CLOSED UST
- ESTIMATED LOCATION OF FORMER DEGREASER
- BORING LOCATION (MARCH 2004)
- SOIL BORING LOCATION (SEPT 2004)
- MONITORING WELL LOCATION (MARCH 2004)
- MONITORING WELL LOCATION (SEPT 2004/JAN 2005)
- (258.3) APPROXIMATE BEDROCK SURFACE ELEVATION
- 260 ESTIMATED BEDROCK SURFACE ELEVATION CONTOUR (FEET)

BEDROCK SURFACE ELEVATION CONTOUR MAP

STEEL TREATERS
520 CAMPBELL AVENUE
TROY, NY

PROJECT NO.	PREPARED BY	DRAWN BY
0209003P	MTG	
DATE	REVIEWED BY	FILE NAME
04/26/05		FIG. 4-1

Delta Environmental Consultants Inc.



40 30 20 10 0 40

APPROX. HORIZONTAL SCALE (FEET)

CROSS SECTION A–A′

STEEL TREATERS
520 CAMPBELL AVENUE
TROY, NY

PROJECT NO.	PREPARED BY	DRAWN BY	
0209003P	MTG		Delta Environmental Consultants Inc.
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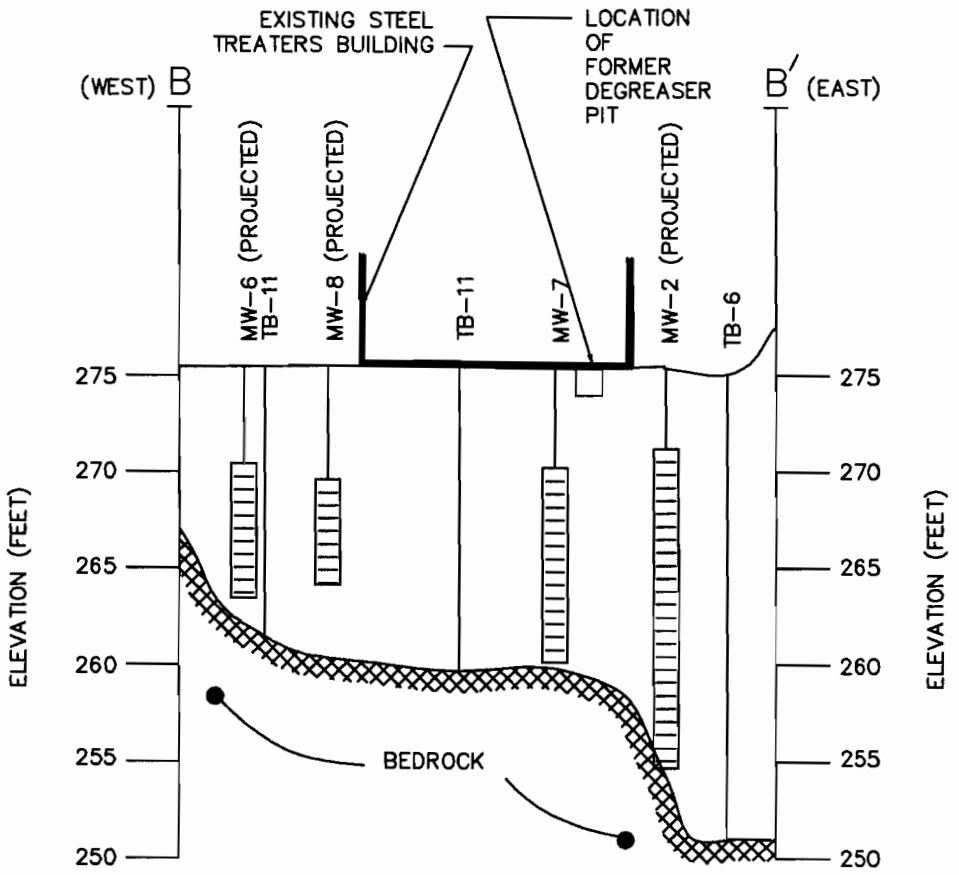
04/26/05		FIG. 4–2	



40 30 20 10 0 40

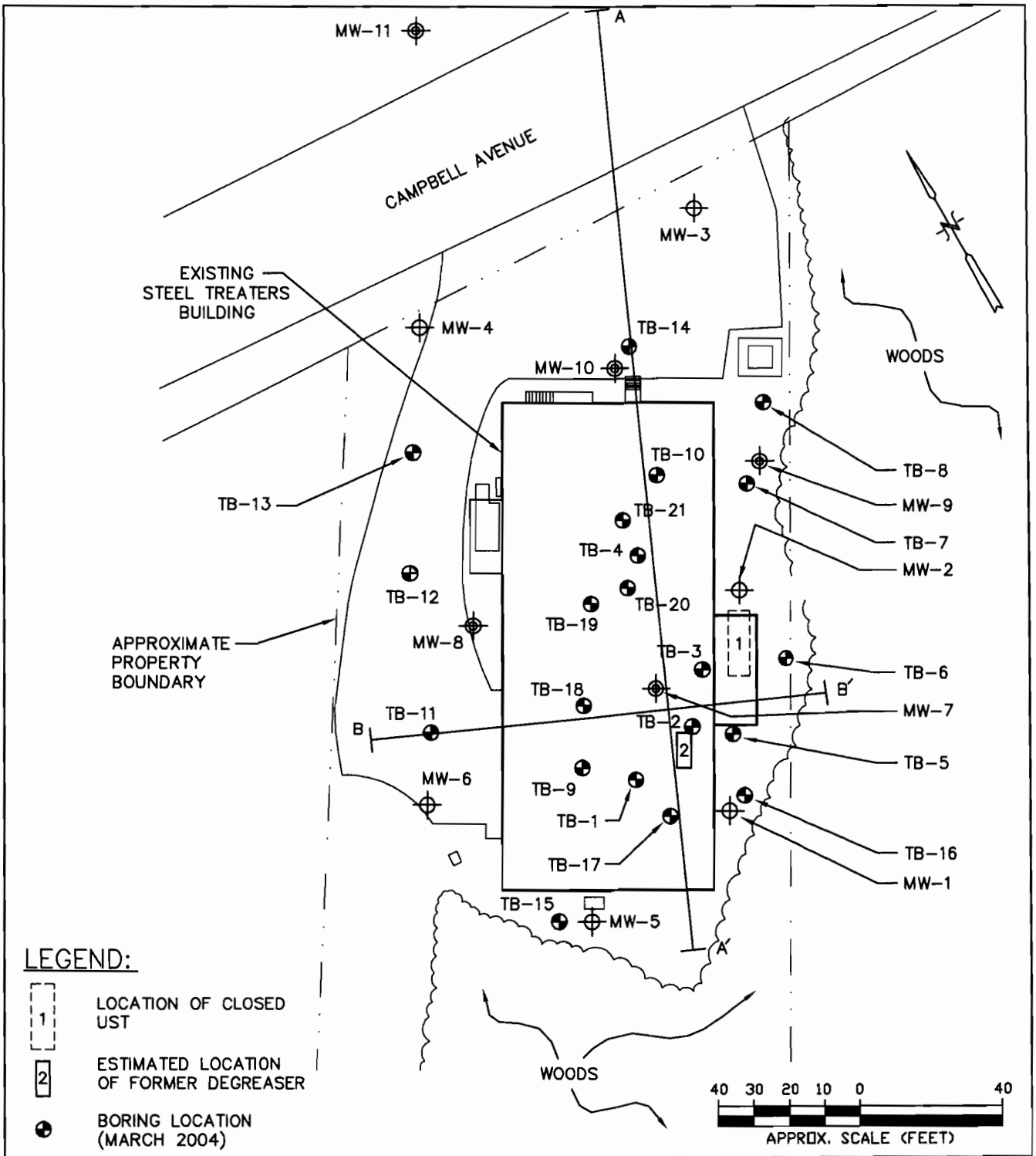
APPROX. HORIZONTAL SCALE (FEET)

CROSS SECTION B–B′

STEEL TREATERS
520 CAMPBELL AVENUE
TROY, NY

PROJECT NO.	PREPARED BY	DRAWN BY	
0209003P	MTG		
DATE	REVIEWED BY	FILE NAME	
04/26/05		FIG. 4-3	

Delta Environmental Consultants Inc.



LEGEND:

- 1 — LOCATION OF CLOSED UST
- 2 — ESTIMATED LOCATION OF FORMER DEGREASER
- BORING LOCATION (MARCH 2004)
- SOIL BORING LOCATION (SEPT 2004)
- MONITORING WELL LOCATION (MARCH 2004)
- MONITORING WELL LOCATION (SEPT 2004/JAN 2005)
- A A' — CROSS SECTION LOCATION

CROSS SECTION LOCATION MAP

STEEL TREATERS
520 CAMPBELL AVENUE
TROY, NY

PROJECT NO.	PREPARED BY	DRAWN BY
0209003P	MTG	
DATE	REVIEWED BY	FILE NAME
04/25/05		FIG. 4-4

Delta Environmental Consultants Inc.

work, are summarized on Table 4-2. PID readings greater than 10 parts per million (ppm) were observed at seven of the September 2004 soil boring/monitoring well locations (TB-1, TB-4, MW-7, TB-10A, TB-18, TB-19, and TB-21), with the most elevated readings (i.e., greater than 300 ppm) at location TB-18 (refer to Figure 3-1 for the soil boring locations). Previously reported PID readings from the March 2004 site investigation work indicated readings greater than 10 ppm at five locations (TB-2, TB-3, TB-6, TB-7, and TB-12), with the most elevated readings (i.e., greater than 300 ppm) at location TB-2. When reviewed collectively, all but three of these locations with elevated PID readings are located beneath the building, extending hydraulically downgradient of the former degreaser pit location.

4.1.2 Analytical Results - Soil

Results of the laboratory analyses of subsurface soil samples collected in September 2004 (collected from soil borings) are presented on Table 4-3. Results of the laboratory analyses of soil samples analyzed during from the March 2004 site investigation work are presented on Table 4-4. As shown on the tables, compounds detected above the applicable NYSDEC cleanup objectives (as outlined in NYSDEC TAGM HWR-94-4046, Appendix A, Table 1, as supplemented by the 12/2000 NYSDEC Directive and updated by NYSDEC 8/22/01), included 1,1-Dichloroethene, 1,1-Dichloroethane, 1,1,1-Trichloroethane, Trichloroethene (TCE), and Tetrachloroethene (PCE).

4.2 GROUNDWATER

4.2.1 Field Observations and Water Level Measurements

Saturated soils (i.e., very moist to wet) were encountered in the twenty-two soil borings (including the March 2004 and September 2004 soil borings) generally within approximately five to ten feet of the existing grade. Static water levels were measured in April 2005 in the ten on-site monitoring wells at 0.02 feet below the existing grade (MW-5) to 5.95 feet below the existing grade at MW-3, and at 10.27 feet in off-site monitoring well MW-11. These measurements compare with 0.48 feet below the existing grade in

Table 4-2
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Summary of PID Results (March 2004 - January 2005 Site Investigations)
Delta Project No. 0209003P

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-1 (Sept 2004)	0.75-2	14.8	0.3
	2-3	14.0	0.4
	3-4	7.0	0.4
	4-5	0.5	0.3
	5-6.5	1.2	0.3
	6.5-8	1.1	0.3
	8-10	0.8	0.3
	10-12.5	0.8	0.3
	12.5-15	1.0	0.3
	15-16	0.7	0.3
	16-16.7	0.7	0.3

Boring ID	Depth Interval (feet)	PID Reading	Background PID Reading
TB-4 (Sept 2004)	1-3	1.4	0.2
	3-4	0.9	0.2
	4-5	0.9	0.2
	5-6	1.3	0.2
	6-8	11.0	.01
	8-10	40.0	0.2
	10-11	12.1	0.2
	11-12	10.0	0.1
	12-14	10.6	0.1
	14-15	10.0	0.2
	15-17.3	11.7	0.2

Boring ID	Depth Interval (feet)	PID Reading	Background PID Reading
TB-10A (Sept 2004)	0.75-3	0.8	0.3
	3-5	0.6	0.3
	5-6.6	0.7	0.4
	6.6-10	0.6	0.3
	10-13	1.1	0.2
	13-15	35.4	0.2
	15-16	30.3	0.2
	16-17.6	1.2	0.3

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-15 (Sept 2004)	0-2	0.8	0.3
	2-5	0.8	0.3
	5-7	0.8	0.2
	7-8.3	0.6	0.1

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-17 (Sept 2004)	0.75-1.5	5.2	0.3
	1.5-4	1.8	0.3
	4-5	0.7	0.2
	5-6.5	0.6	0.2
	6.5-8	0.8	0.2
	8-10	0.6	0.2
	10-12.5	0.5	0.2
	12.5-14.4	0.8	0.2
	14.4-14.8	0.7	0.4

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-18 (Sept 2004)	0.75-3	393	0.3
	3-5	326	0.4
	5-7.5	102	0.5
	7.5-10	76.7	0.5
	10-12.5	1.2	0.5
	12.5-14.5	1.4	0.4
	14.5-15	1.3	0.3

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-16 (Sept 2004)	0-1	0.7	0.2
	1-2.5	0.6	0.2
	2.5-5	0.4	0.2
	5-6.5	0.6	0.2
	6.5-8	0.3	0.1

Table 4-2 (Continued)
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Summary of PID Results (March 2004 - January 2005 Site Investigations)
Delta Project No. 0209003P

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-19 (Sept 2004)	0.75-2	4.2	0.3
	2-3	8.7	0.3
	3-5	7.4	0.3
	5-7	6.5	0.3
	7-9	5.6	0.3
	9-10	6.9	0.3
	10-12.5	28.0	0.3
	12.5-15.1	1.3	0.3

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-20 (Sept 2004)	0.75-2.7	1.2	0.2
	2.7-5	1.6	0.3
	5-7.5	6.6	0.3
	7.5-10	7.6	0.2
	10-11	3.1	0.1
	11-13	10.0	0.1
	13-15	1.9	0.2
	15-15.5	0.9	0.1

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-21 (Sept 2004)	0.75-2	1.2	0.3
	2-4	1.3	0.3
	4-5	1.1	0.3
	5-6	0.9	0.3
	6-8	2.2	0.3
	8-10	3.1	0.3
	10-12	9.0	0.2
	12-14	7.7	0.3
	14-15	11.2	0.3
	15-16	1.8	0.3
	16-17.6	1.1	0.2

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
MW-7 (Sept 2004)	0-5	45.7	0.3
	5-10	130	0.3
	10-14	30.6	0.4
	14-15	3.5	0.5

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
MW-8 (Sept 2004)	0-5	0.4	0.2
	5-10	0.3	0.1

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
MW-9 (Sept 2004)	0-5	1.2	0.4
	5-10	1.4	0.4
	10-15	1.2	0.3
	15-19.6	3.0	0.3

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
MW-10 (Sept 2004)	0-5	1.4	0.3
	5-10	0.8	0.2
	10-15	3.2	0.3
	15-16.4	5.9	0.3

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
MW-11 (Jan 2005)	0-5	1.1	0.3
	5-7	1.2	0.4
	10-10.5	1.5	0.4
	10.5-11	1.0	0.4
	11-11.6	0.5	0.5

Table 4-2 (Continued)
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Summary of PID Results (March 2004 - January 2005 Site Investigations)
Delta Project No. 0209003P

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-2 (Mar 2004)	0-1.2	9.3	0.3
	1.2-2	99.8	0.4
	2-5	387	0.6
	5-5.25	86	0.8
	5.25-6	296	0.5
	6-8	64	0.8
	8-9.5	18	0.7
	9.5-10	7.4	0.5
	10-12	365	0.5
	12-13	14.5	0.9
	13-15	4.8	0.7
	15-16.7	1.3	0.7
	16.7-16.8	65.4	0.6

Boring ID	Depth Interval (feet)	PID Reading	Background PID Reading
TB-3 (Mar 2004)	0.8-3	6.7	0.4
	3-5	9.3	0.5
	5-7.5	11.2	0.3
	7.5-9.5	12	0.4
	9.5-10	19.1	0.4
	10-11	9.8	0.4
	11-11.7	8.2	0.4
	11.7-13	13.7	0.4
	13-15	14.7	0.4
	15-17.5	9.6	0.4
	17.5-19	1.3	0.4
	19-19.5	0.4	0.4

Boring ID	Depth Interval (feet)	PID Reading	Background PID Reading
TB-5 (Mar 2004)	0-1	0.6	0.3
	1-3	3.5	0.5
	3-5	1.5	0.5
	5-7.5	0.5	0.5
	7.5-10	0.5	0.4
	10-12.5	0.5	0.4
	12.5-15	0.4	0.5
	15-16	0.3	0.3
	16-17	0.3	0.3
	17-18	0.2	0.3
	18-19	0.2	0.2
	19-20	0.2	0.2
	20-21.9	0.2	0.2
	21.9-23	0.2	0.2

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-6 (Mar 2004)	0-1.25	0.4	0.4
	1.25-4.75	16.4	0.2
	4.75-5	11.3	0.3
	5-7.4	1.7	0.3
	7.4-10	8.8	0.4
	10-12.5	0.7	0.3
	12.5-15	0.4	0.3
	15-17.5	0.4	0.3
	17.5-20	0.3	0.3
	20-23	0.4	0.3
	23-24.5	0.3	0.3

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-7 (Mar 2004)	0-1.1	0.3	0.3
	1.1-3.5	0.3	0.3
	3.5-5	0.3	0.3
	5-6.5	0.4	0.3
	6.5-7	0.3	0.3
	7-9.2	0.5	0.4
	9.2-10	4.1	0.4
	10-11	0.5	0.4
	11-12.5	1	0.3
	12.5-15	34.9	0.3
	15-15.8	6.7	0.3
	15.8-18	1.8	0.3
	18-20	0.4	0.3
	20-23	0.9	0.3
	23-25	0.4	0.3
	25-25.8	0.3	0.3
	25.8-26.6	0.4	0.3

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-8 (Mar 2004)	0-1.7	0.3	0.3
	1.7-5	0.3	0.3
	5-6.5	0.3	0.3
	6.5-8	0.4	0.3
	8-10	0.4	0.4
	10-12	0.3	0.3
	12-13.4	0.4	0.4
	13.4-15	3.1	0.3
	15-17.5	1.6	0.4
	17.5-20	0.8	0.3
	20-22.5	0.4	0.3
	22.5-25	0.4	0.3
	25-28.6	0.3	0.3
	28.6-29.4	0.3	0.3

Table 4-2 (Continued)
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Summary of PID Results (March 2004 - January 2005 Site Investigations)
Delta Project No. 0209003P

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-9 (Mar 2004)	0.5-1.7	2.3	0.3
	1.7-2.7	2.9	0.3
	2.7-5	3.6	0.4
	5-6	0.4	0.3
	6-8.25	0.3	0.3
	8.25-10	0.3	0.2
	10-11.5	0.3	0.2
	11.5-13.5	0.3	0.2
	13.5-13.8	0.3	0.3

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-10 (Mar 2004)	0-0.8	0.5	0.3
	0.8-4	0.4	0.3
	4-5	0.4	0.3
	5-7	0.4	0.3
	7-9	0.6	0.3

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-11 (Mar 2004)	0-4	1.5	0.4
	4-6	0.3	0.2
	6-8	0.4	0.3
	8-10	1.4	0.4
	10-12	0.3	0.3
	12-14	0.3	0.3
	14-15	0.3	0.2

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-12 (Mar 2004)	0-2.2	1.6	0.3
	2.2-2.5	0.6	0.3
	2.5-4	5.1	0.3
	4-6	21.4	0.3
	6-7.5	31.6	0.5
	7.5-8	3.2	0.5
	8-9.7	8.1	0.5

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-13 (Mar 2004)	0-2	1.7	0.4
	2-4	0.5	0.4
	4-4.5	0.7	0.4
	4.5-6	0.5	0.4

Boring ID	Depth Interval (feet)	PID Reading - Soil Core	Background PID Reading
TB-14 (Mar 2004)	0-2.75	0.4	0.3
	2.75-4	0.4	0.3
	4-6	0.3	0.3
	6-8	0.4	0.3
	8-10.4	0.4	0.3
	10.4-11.6	0.4	0.3
	11.6-12	1.2	0.4
	12-13.5	0.4	0.4
	13.5-16	0.7	0.4
	16-16.8	0.4	0.4

Table 4-3
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Summary of Analytical Results - Soil (VOCs) (September 2004)
Delta Project No. 0209003P

Volatile Organic Compound	Units	Criteria*	TB-1 (1'-2')	TB-4 (8'-10')	TB-10 (13'-15')	TB-17 (9"-1.5')	TB-18 (3'-5')	DUP[3]	TB-18 (10'-12')[3]	TB-19 (10'-12.5')	TB-20 (11'-13')	TB-21 (10'-12')
Vinyl Chloride	ug/kg	200	<1.2	5.7	1.8J	<1.2	<1.1	<1.2	<1.2	3.2J	<1.3	<1.2
Methylene Chloride	ug/kg	100	20	17	34J	9.7	23J	3.8J	3.6J	4.9J	3.6J	9.9
1,1 Dichloroethene	ug/kg	400	<1.2	12	6.4J	1.9	<1.1	<1.2	<1.2	12J	5.1J	<1.2
1,1 Dichloroethane	ug/kg	200	<1.2	2.8	9.0J	1.1J	<1.1	<1.2	<1.2	2.6J	1.1J	<1.2
trans-1,2-Dichloroethylene	ug/kg	300	<1.2	1.1J	21J	<1.2	<1.1	<1.2	<1.2	18J	1.5J	6.4
cis-1,2-Dichloroethene	ug/kg	10,000[2]	7.6	260	1900	18	<140	29J	0.6J	<590	30J	90
Chloroform	ug/kg	300	<1.2	<1.2	0.8J	<1.2	1.2	<1.2	<1.2	<1.3	<1.3	<1.2
1,1,1-Trichloroethane	ug/kg	800	<1.2	<1.2	<1.2	2.7	<1.1	<1.2	<1.2	<1.3	1.3J	<1.2
Trichloroethene	ug/kg	700	76	**900**	**26000**	81	690	**2,100**	11J	**19000**	**3800**	260
Benzene	ug/kg	60	<1.2	<1.2	<1.2	<1.2	<1.1	<1.2	<1.2	<1.3	<1.3	<1.2
1,1,2-Trichloroethane	ug/kg	10,000[2]	<1.2	<1.2	<1.2	<1.2	<1.1	<1.2	<1.2	<1.3	<1.3	<1.2
Tetrachloroethene	ug/kg	1,400	<1.2	3.7	<1.2	0.7	35J	11J	<1.2	<1.3	<1.3	<1.2
Toluene	ug/kg	1,500	<1.2	<1.2	12J	<1.2	<1.1	<1.2	<1.2	<1.3	<1.3	<1.2
m,p-Xylene	ug/kg	1,200[1]	<1.2	<1.2	<1.2	<1.2	2.4	<1.2	<1.2	<1.3	<1.3	<1.2
o-Xylene	ug/kg	1,200[1]	<1.2	<1.2	<1.2	<1.2	1.0J	<1.2	<1.2	<1.3	<1.3	<1.2
1,2,4-Trimethylbenzene	ug/kg	10,000[2]	<1.2	<1.2	<1.2	<1.2	3.1	1.2J	<1.2	<1.3	<1.3	<1.2
1,2,4-Trichlorobenzene	ug/kg	3400	<1.2	<1.2	<1.2	<1.2	5.6	<1.2	<1.2	<1.3	<1.3	<1.2
Napthalene	ug/kg	13,000	<1.2	<1.2	<1.2	<1.2	4.7	1.9	<1.2	<1.3	<1.3	<1.2
1,2,3-Trichlorobenzene	ug/kg	10,000[2]	<1.2	<1.2	<1.2	<1.2	1.1J	<1.2	<1.2	<1.3	<1.3	<1.2
TICs	ug/kg	10,000[2]	22	ND	32	29	196	170	46	22	19	7
	Total VOCs:		125.6	1,202.3	28,017.0	144.1	963.1	2,316.9	61.2	19,062.7	3,861.6	373.3

Notes:
Only those compounds detected in at least one soil sample are shown on this table.
All concentrations shown on this table are expressed in ug/kg.
2,600 = Results in bold indicate concentration above applicable NYS Cleanup Objective.
* = New York State Soil Cleanup Objective as presented in NYS TAGM HWR-94-4046, Appendix A, Table 1 (as supplemented by the 12/2000 NYSDEC Directive, and updated by NYSDEC 8/22/01.
TICs = Tentatively Identified Compounds
ND = Not Detected

[1] New York State Soil Cleanup Objective is 1,200 ppb for total xylenes.
[2] As per TAGM 4046, individual and sum of VOCs <10,000 ppb.
[3] Dup VOC is duplicate of Sample TB-18 (3'-5'); MS/MSD collected at TB-18(10'-12')
J = Result qualified as "Estimated" based on data validation report.

Table 4-4
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Summary of Analytical Results - Soil (VOCs) (March 2004)
Delta Project No. 0209003P

Volatile Organic Compound	Units	Criteria*	TB-2 (2'-2.5')	Dup VOC[3]	TB-3 (13'-15')	TB-5 (1'-3')	TB-6 (1.25'-4')	TB-7 (12.5'-15')	TB-8 (13.4'-15')	TB-9 (2.7'-5')	TB-10 (7'-9')	TB-11 (8'-9.75')	TB-12 (6'-7.5')	TB-13 (4'-4.5')	TB-14 (11.6'-12')
Vinyl Chloride	ug/kg	200	<1.2	<1.2 J	5.1 J	<1.2	<1.2	150 J	6.4 J	<1.2 J	<1.2 J	12	<1.2	<1.2	5.1
Methylene Chloride	ug/kg	100	<1.2	<1.2 J	3.0 J	1.4	1.1 J	3.1 J	1.3 J	<1.2 J	<1.2 J	1.0 J	1.4	1.1 J	2
1,1 Dichloroethene	ug/kg	400	**2,100 J**	**2,700 J**	380 J	<1.2	<1.2	68 J	1.5 J	1.4 J	<1.2 J	<1.3	<1.2	<1.2	0.8 J
1,1 Dichloroethane	ug/kg	200	26 J	7.5 J	**4,500**	<1.2	<1.2	94 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	1.7
trans-1,2-Dichloroethylene	ug/kg	300	<1.2	<1.2 J	<1.2 J	<1.2	<1.2	<1.2 J	3.4 J	1.2 J	<1.2 J	<1.3	<1.2	<1.2	6.2
cis-1,2-Dichloroethene	ug/kg	10,000[2]	52 J	14 J	110 J	7.2	3.9	7,300	160 J	6.1 J	1.7 J	83	16	1.6	1300 J
Chloroform	ug/kg	300	20	<1.2 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2
1,2-Dichloroethane	ug/kg	100	<1.2	<1.2 J	9.3 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2
1,1,1-Trichloroethane	ug/kg	800	**44,000 J**	**2,800 J**	4.5 J	<1.2	<1.2	**1300 J**	1.4 J	<1.2 J	<1.2 J	<1.3	<1.2	2.4	<1.2
Trichloroethene	ug/kg	700	**260,000 J**	**48,000 J**	**19,000**	19	27	**42,000**	**14,000**	290	5.1 J	69	14	99	**11000 J**
Benzene	ug/kg	60	0.9 J	<1.2 J	<1.2 J	<1.2	<1.2	2.3 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2
1,1,2-Trichloroethane	ug/kg	10,000[2]	31	42 J	4.6 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2
Tetrachloroethene	ug/kg	1,400	**7,100**	**4,800**	1.5 J	2.6	1.1 J	1,400	**2,200**	<1.2 J	<1.2 J	17	0.7 J	<1.2	<1.2 J
1,1,1,2-Trichloroethane	ug/kg	10,000[2]	42	71 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2 J
Toluene	ug/kg	1,500	430 J	720 J	1.4 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2 J
Ethylbenzene	ug/kg	5,500	69	130 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	97 J
m,p-Xylene	ug/kg	1,200[1]	220	430 J	0.7 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	0.6 J	390
o-Xylene	ug/kg	1,200[1]	74	140 J	<1.2 J	0.7	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	140 J
Isopropylbenzene	ug/kg	2,300	6	14 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2 J
n-Propylbenzene	ug/kg	3,700	14	36 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2 J
1,3,5-Trimethylbenzene	ug/kg	3,300	24	55 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2 J
1,2,4-Trimethylbenzene	ug/kg	10,000[2]	67	140 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2 J
sec-Butylbenzene	ug/kg	10,000[2]	<1.2	6.4 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2 J
p-Isopropyltoluene	ug/kg	10,000[2]	1.8	4.5 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2 J
1,2-Dichlorobenzene	ug/kg	7,900	<1.2	1.2 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2 J
Hexachlorobutadiene	ug/kg	10,000[2]	<1.2	1.7 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2 J
Napthalene	ug/kg	13,000	6.8	20 J	<1.2 J	<1.2	<1.2	<1.2 J	<1.2 J	<1.2 J	<1.2 J	<1.3	<1.2	<1.2	<1.2 J
TICs	ug/kg	10,000[2]	230	461 J	47 J	11 J	7 J	7	ND	51 J	21 J	26 J	14 J	25 J	<1.2 J
	Total VOCs:		310,514.5	60,594.3	24,067.1	41.9	40.1	52,324.4	16,374.0	349.7	27.8	208.0	46.1	129.7	12,942.8

Notes:

Only those compounds detected in at least one soil sample are shown on this table.

All concentrations shown on this table are expressed in ug/kg.

ND = Not Detected.

2,600 = Results in bold indicate concentration above applicable NYS Cleanup Objective.

[1] New York State Soil Cleanup Objective is 1,200 ppb for total xylenes.

[2] As per TAGM 4046, individual and sum of VOCs <10,000 ppb.

[3] Dup VOC is duplicate of Sample TB-2 (2'-2.5').

J = Result qualified as "Estimated" based on data validation report.

* = New York State Soil Cleanup Objective as presented in NYS TAGM HWR-94-4046, Appendix A, Table 1 (as supplemented by the 12/2000 NYSDEC Directive, and updated by NYSDEC 8/22/01.

TICs = Tentatively Identified Compounds

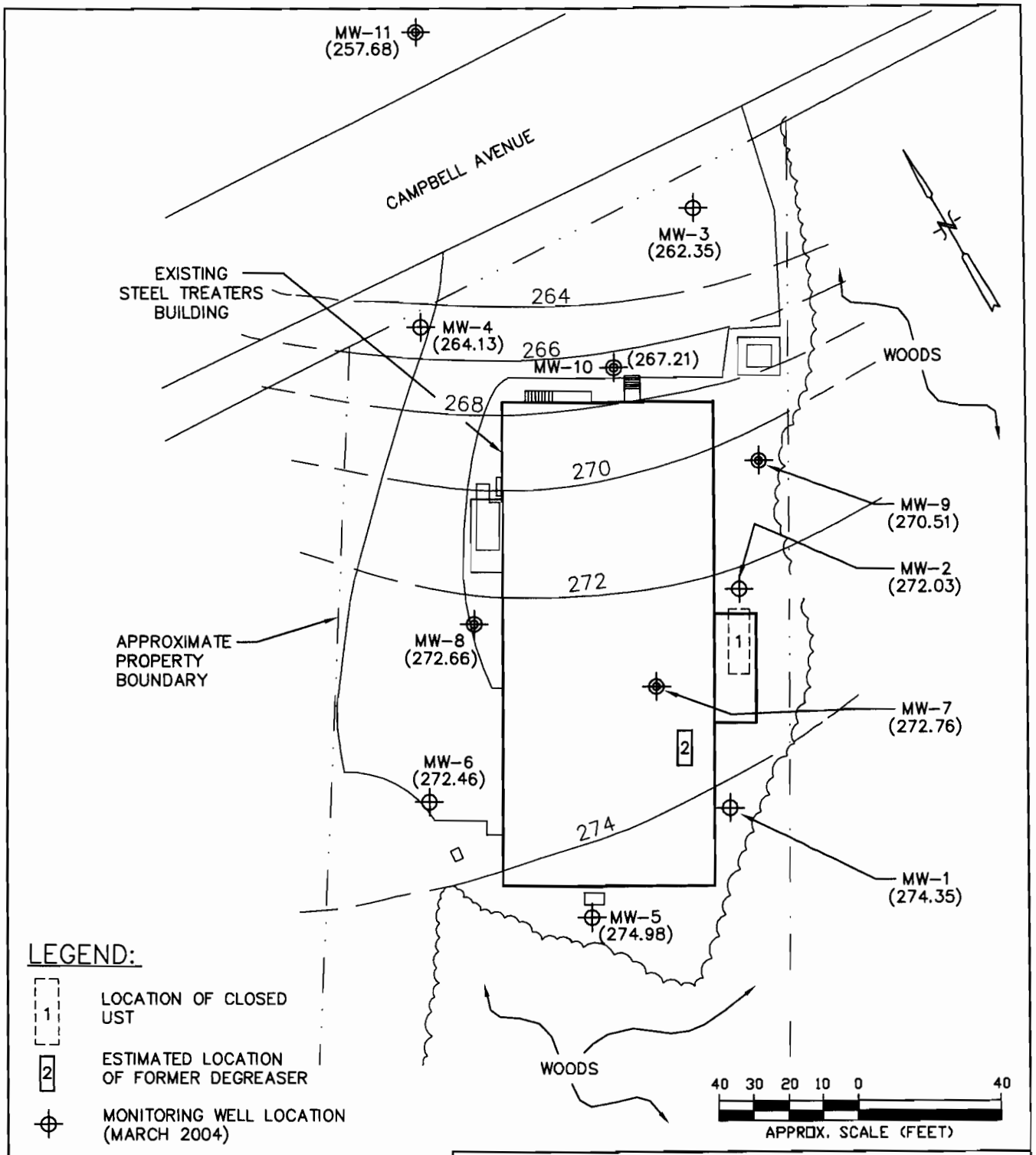
monitoring well MW-5 and 6.86 feet in monitoring well MW-3 recorded in March 2004. Table 4-5 provides a summary of the 2005 static water level measurements.

Figure 4-5 depicts groundwater elevation contours based on static water level measurements recorded on 6 April 2005. The shallow groundwater flow direction beneath the site was estimated to be in a northerly and northeasterly direction based on the groundwater elevation contours shown on Figure 4-5.

4.2.2 Groundwater Sampling and Analytical Results

Field parameter measurements (i.e., conductivity, pH, turbidity, temperature, and dissolved oxygen) recorded during 9 February 2005 sampling operations are summarized on Table 4-5. Results of the laboratory analyses conducted on the samples collected on 9 February 2005 are summarized on Tables 4-6 and 4-7. For comparison purposes, summarized results of the VOC analytical results of the March 2004 groundwater samples are provided on Table 4-8.

As summarized on analytical summary Table 4-6 and on Figure 4-6, compounds detected above the applicable NYSDEC groundwater standards in February 2005 (as outlined in 6NYCRR Part 703) included nineteen VOCs; Vinyl Chloride, 1,1 Dichloroethene, Methylene Chloride, Trans-1,2 Dichloroethene, 1,1 Dichloroethane, cis-1,2 Dichloroethene, Chloroform, 1,1,1-Trichloroethane, Benzene, 1,2-Dichloroethane, Trichloroethene, Bromodichloroethane, Toluene, 1,1,2 Trichloroethane, Tetrachloroethene, 1,11,2-Tetrachloroethane, Ethylbenzene, m&p xylenes, and o-xylene. All other compounds analyzed were either not detected, or were detected below the applicable groundwater standard. As shown on Figure 4-6, the majority of the detections exceeding the applicable groundwater standards in February 2005 were in the sample collected from monitoring well MW-7, and were comprised mainly of chlorinated VOCs (i.e., Trichloroethene, 1,1,1-Trichloroethane, Tetrachloroethylene and their breakdown products). Figure 4-7 shows total chlorinated VOC (CVOC) isoconcentration contours for the February 2005 groundwater analytical results.



LEGEND:

- 1 — LOCATION OF CLOSED UST
- 2 — ESTIMATED LOCATION OF FORMER DEGREASER
- MONITORING WELL LOCATION (MARCH 2004)
- MONITORING WELL LOCATION (SEPT 2004/JAN 2005)
- (274.35) STATIC WATER ELEV. AS MEASURED ON 4/6/05
- 260 — GROUNDWATER ELEVATION CONTOUR (FEET)

GROUNDWATER ELEVATION CONTOUR MAP (4/6/05)

STEEL TREATERS
520 CAMPBELL AVENUE
TROY, NY

PROJECT NO.	PREPARED BY	DRAWN BY
0209003P	MTG	
DATE	REVIEWED BY	FILE NAME
04/25/05		FIG. 4-5

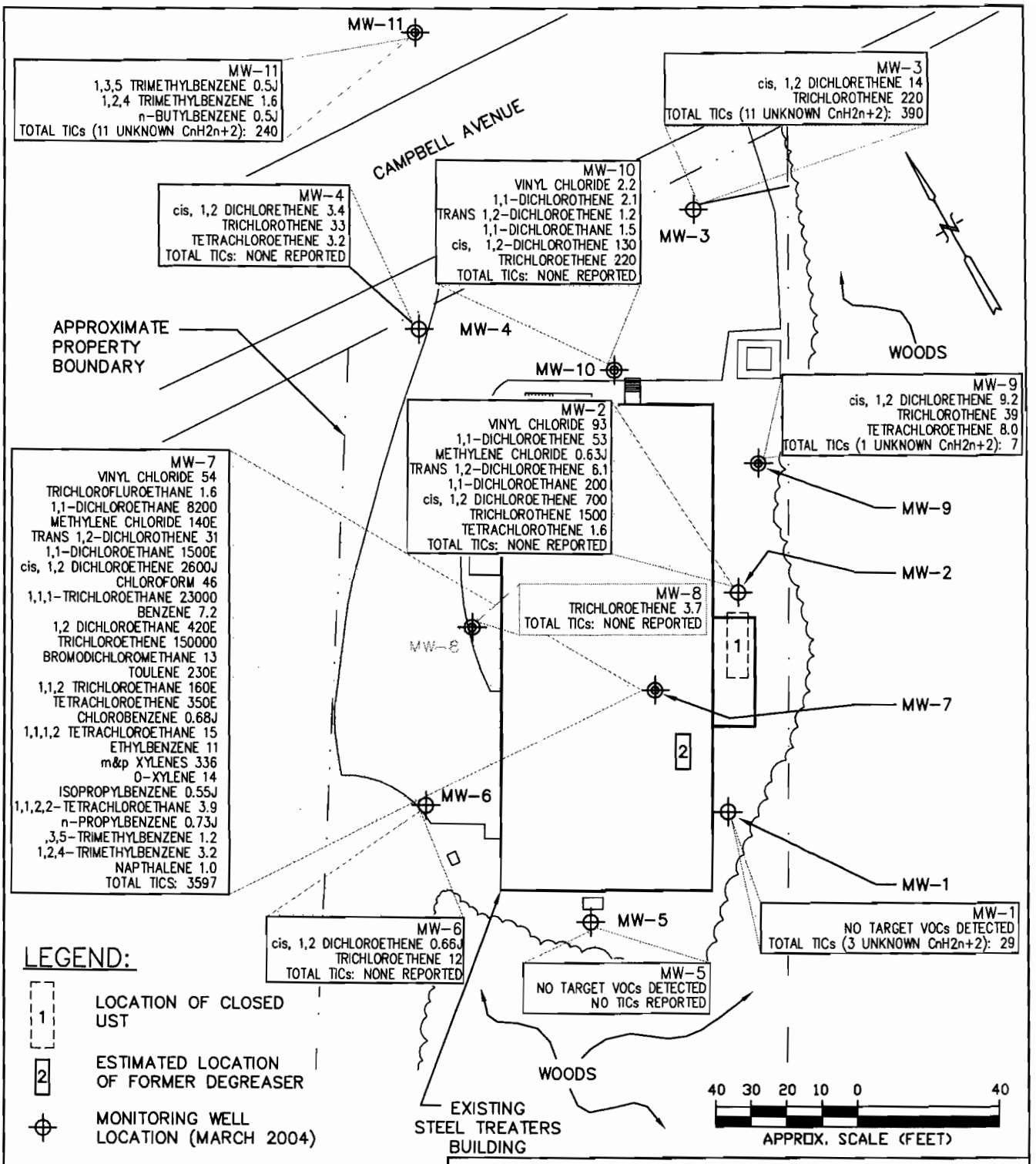
Delta Environmental Consultants Inc.

Table 4-5
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Water Levels and Groundwater Field Parameter Measurements (February 2005 -April 2005)
Delta Project No. 0209003P

	Static water level measurement below top of casing (2/9/05)	Elevation of Top of PVC Casing	Static Water Elevation	Elevation of Existing Grade	Depth to static water level below grade (feet)	pH	Conductivity (uS/cm)	Temperature (^{o}F)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)
MW-1	5.37	278.13	272.76	275.20	2.44	7.10	578	49.7	195	6.7
MW-2	7.92	277.57	269.65	274.60	4.95	7.29	479	49.8	>200	3.2
MW-3	8.78	267.71	258.93	268.30	9.37	7.13	936	46.8	>200	3.9
MW-4	6.53	268.52	261.99	269.10	7.11	7.00	439	47.1	35.0	5.0
MW-5	3.67	277.81	274.14	275.00	0.86	7.47	413	48.0	>200	1.8
MW-6	4.11	274.65	270.54	275.01	4.47	7.29	679	46.2	>200	2.9
MW-7	4.90	274.98	270.08	275.42	5.34	7.11	1258	54.5	170.0	3.2
MW-8	NM	274.45	NM	274.85	NM	7.48	7.48	48.4	19.0	8.3
MW-9	9.38	277.23	267.85	274.40	6.55	6.98	6.98	48.8	21.0	2.8
MW-10	7.82	271.19	263.37	271.69	8.32	7.11	7.11	49.7	19.0	4.9
MW-11	12.51	267.68	255.17	267.95	12.78	7.30	7.30	48.4	>200	4.7

	Static water level measurement below top of casing (4/6/05)	Elevation of Top of PVC Casing	Static Water Elevation	Elevation of Existing Grade	Depth to static water level below grade (feet)
MW-1	3.78	278.13	274.35	275.20	0.85
MW-2	5.54	277.57	272.03	274.60	2.57
MW-3	5.36	267.71	262.35	268.30	5.95
MW-4	4.39	268.52	264.13	269.10	4.97
MW-5	2.83	277.81	274.98	275.00	0.02
MW-6	2.19	274.65	272.46	275.01	2.55
MW-7	2.22	274.98	272.76	275.42	2.66
MW-8	1.79	274.45	272.66	274.85	2.19
MW-9	6.72	277.23	270.51	274.40	3.89
MW-10	3.98	271.19	267.21	271.69	4.48
MW-11	10.00	267.68	257.68	267.95	10.27

NM = Not Measured



GROUNDWATER ANALYTICAL RESULTS (VOCS), FEBRUARY 2005

STEEL TREATERS
520 CAMPBELL AVENUE
TROY, NY

PROJECT NO.	PREPARED BY	DRAWN BY
0209003P	MTG	
DATE	REVIEWED BY	FILE NAME
04/25/05		FIG. 4-6

Delta Environmental Consultants Inc.

Table 4-6
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Summary of Analytical Results - Water (VOCs)
Sampling Date: February 9, 2005
Delta Project No. 0209003P

Volatile Organic Compound	Units	Std[1]	MW-1[3]	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	Duplicate[3]	MW-8	MW-9	MW-10	MW-11
Chloromethane	ug/l	7	<1.0	<1.0	<1.0	0.65J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	ug/l	1	<1.0	**93**	<1.0	<1.0	<1.0	<1.0	**54J**	**55J**	<1.0	**1.3**	**2.2**	<1.0
Trichlorofluoromethane	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6J	<1.0	<1.0	<1.0	<1.0	<1.0
1,1 Dichloroethene	ug/l	5	<1.0	**53**	<1.0	<1.0	<1.0	<1.0	**8200**	**6600**	<1.0	<1.0	2.1	<1.0
Methylene Chloride	ug/l	5	<1.0	<0.63	<1.0	<1.0	<1.0	<1.0	**140J**	**150J**	<1.0	<1.0	<1.0	<1.0
Trans-1,2-Dichloroethene	ug/l	5	<1.0	**6.1**	<1.0	<1.0	<1.0	<1.0	**31J**	**35J**	<1.0	<1.0	1.2	<1.0
1,1 Dichloroethane	ug/l	5	<1.0	**180J**	<1.0	<1.0	<1.0	<1.0	**1500J**	**1800J**	<1.0	<1.0	**1.5**	<1.0
cis-1,2-Dichloroethene	ug/l	5	<1.0	**1700**	**14**	3.4	<1.0	0.66J	**2600J**	**3500J**	<1.0	**9.2**	**130**	<1.0
Chloroform	ug/l	7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**46J**	**47J**	<1.0	<1.0	<1.0	<1.0
1,1,1- Trichloroethane	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**23000**	**18000**	<1.0	<1.0	<1.0	<1.0
Benzene	ug/l	1	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0	**7.2J**	**7.4J**	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	ug/l	0.6	<1.0	**1500**	<1.0	**33**	<1.0	<1.0	**420J**	**450J**	<1.0	<1.0	<1.0	<1.0
Trichloroethene	ug/l	5	<1.0	<1.0	**220**	<1.0	<1.0	**12**	**150000**	**120000**	3.7	**39**	**220**	<1.0
Bromodichloromethane	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**13J**	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**230J**	**230J**	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	ug/l	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**160J**	**170J**	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	ug/l	5	<1.0	1.6	<1.0	3.2	<1.0	<1.0	**350J**	**350J**	<1.0	**8.0**	<1.0	<1.0
Chlorobenzene	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.68J	0.64J	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**15J**	**14J**	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**11J**	**11J**	<1.0	<1.0	<1.0	<1.0
m&p xylenes	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**36J**	**33J**	<1.0	<1.0	<1.0	<1.0
o-xylene	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**14J**	**13J**	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.55J	0.54J	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.9J	3.8J	<1.0	<1.0	<1.0	<1.0
n-propylbenzene	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.73J	0.7J	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2J	1.3J	<1.0	<1.0	<1.0	0.50J
1,2,4-Trimethylbenzene	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.2J	3.3J	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene	ug/l	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.50J
Napthalene	ug/l	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0J	0.99J	<1.0	<1.0	<1.0	<1.0
TICs[2] (total)	ug/l	NS	29	0	390	0	0	0	3597	3320	0	7	0	240

Notes:

Only those compounds detected in at least one groundwater sample are shown on this table.

NS = No Standard Applicable

[1] = New York State Groundwater Standard or Guidance Value as presented in 6NYCRR Part 703.

[2] TICs = Tentatively identified compounds, as reported by the laboratory

[3] "Duplicate " was collected at MW-7; MS/MSD was collected at MW-1

26 = Results in bold indicate concentration above applicable Groundwater Standard or Guidance Value.

J = Result qualified as "Estimated" based on data validation report.

Table 4-7
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Summary of Analytical Results - HRC Evaluation
Water - (Enhanced Bioremediation Nutrient Parameters)
Soil - TOC
Delta Project No. 0209003P

Groundwater - Sampling Date: February 9, 2005

		Sample ID				
Determination of Conventional Chemistry Parameters (mg/l)	Units	MW-2	MW-7	MW-8	MW-9	MW-10
Nitrogen, Ammonia	mg/l	<0.30	<0.30	<0.30	<0.30	<0.30
Nitrogen, Nitrate+Nitrite	mg/l	<0.2	<0.2	1.0	0.70	6.7
Nitrogen, Kjeldahl	mg/l	1.15	1.23	0.74	0.63	<0.60
Sulfide, Total	mg/l	<0.10	<0.10	<.010	<0.10	<0.10
Total Organic Carbon	mg/l	28.7	8.4	2.1	2.4	2.4
Alkalinity, as $CaCO_3$	mg/l	259	326	122	214	169
Determination of Inorganic Anions (mg/l)						
Chloride	mg/l	5.8	219	150	2.3	8.1
Sulfate	mg/l	5.3	51.8	33.8	12.0	17.2
Determination of Dissolved Metals (mg/l)						
Dissolved Iron	mg/l	<0.030	<0.030	0.065	<0.030	<0.030
Dissolved Managnese	mg/l	1.31	10.4	<0.005	0.214	0.005
Determination of Total Metals (mg/l)						
Iron, Total	mg/l	49.1	7.08	5.56	13.0	36.6
Manganese, Total	mg/l	2.69	9.73	0.128	0.449	1.26
Phosphorous, Total	mg/l	<1.0	<1.0	<1.0	<1.0	1.1

Soil - Sampling Date: September 14, 2004

	Units	TB-02-15 (7'-7.5')	TB-02-16 (7'-8')
Total Organic Carbon	mg/kg	1560	1090

Table 4-8
VCP Site Investigation
Steel Treaters, Inc., Troy, NY
Summary of Analytical Results - Water (VOCs) (March 2004)
Delta Project No. 0209003P

March 2004

Volatile Organic Compound	Units	NYS GW Standard*	MW-1	MW-2	Dup VOC[1]	MW-3	MW-4	MW-5	MW-6
1,1 Dichloroethane	ug/l	5	<1.0	**62 J**	**61 J**	<1.0	0.7 J	<1.0 J	<1.0
1,1 Dichloroethene	ug/l	5	<1.0	**8.1 J**	**8.1 J**	<1.0	<1.0	<1.0 J	<1.0
cis-1,2-Dichloroethene	ug/l	5	<1.0	**650 J**	**660 J**	1.9	**16 J**	<1.0 J	1.6 J
Trichloroethene	ug/l	5	<1.0	**570 J**	**610 J**	**23**	**140 J**	<1.0 J	**18 J**
Tetrachloroethylene	ug/l	5	<1.0	<1.0	<1.0	2.1	<1.0	<1.0 J	<1.0
Trans-1,2-Dichloroethylene	ug/l	5	<1.0	2.3 J	2.2 J	<1.0	<1.0	<1.0	<1.0
Benzene	ug/l	1	<1.0	0.7 J	0.7 J	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	ug/l	2	<1.0	**52 J**	**50 J**	<1.0	<1.0	<1.0	<1.0

Notes:

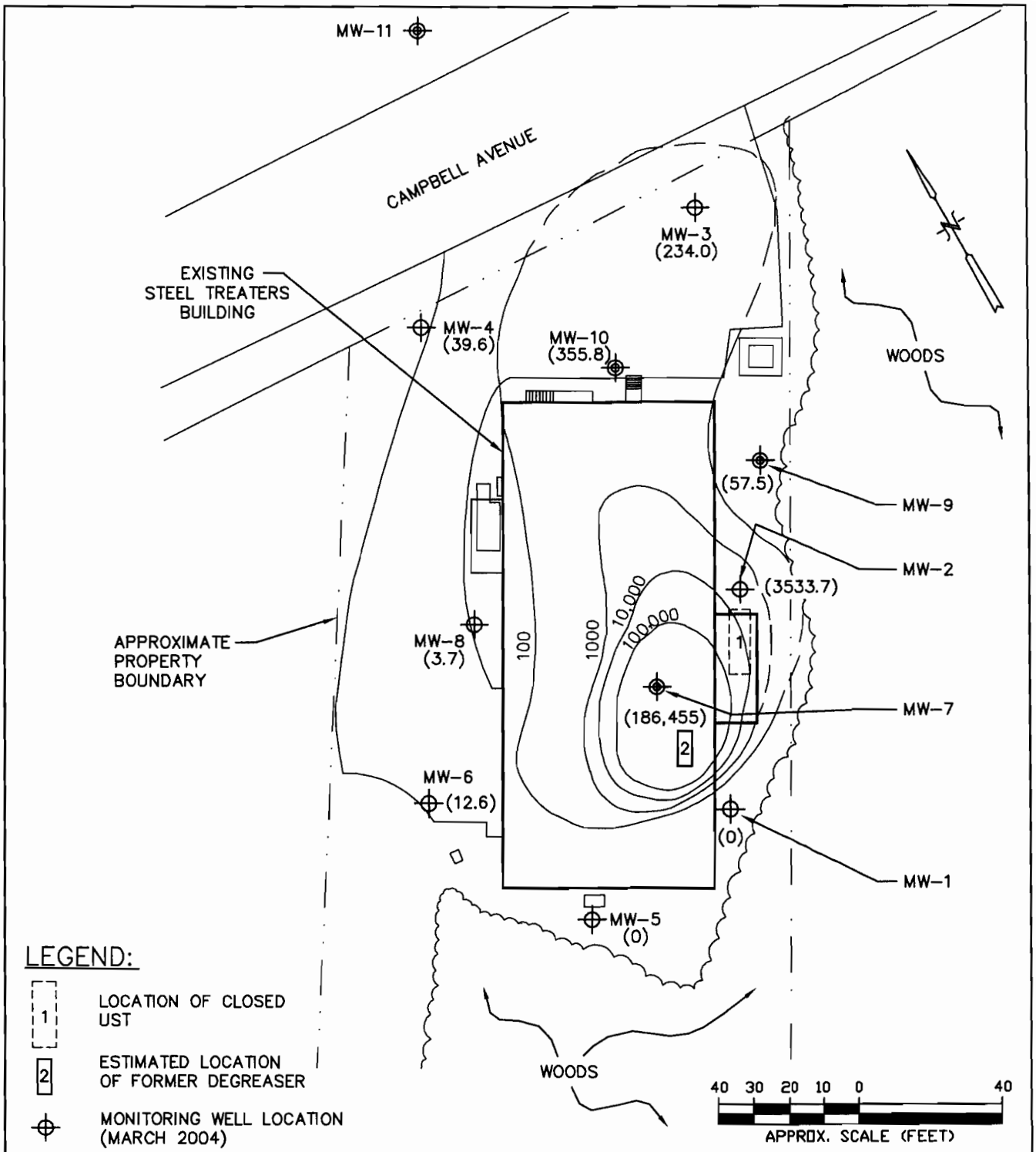
Only those compounds detected in at least one groundwater sample are shown on this table.

* = New York State Groundwater Standard or Guidance Value as presented in 6NYCRR Part 703.

26 = Results in bold indicate concentration above applicable Groundwater Standard.

J = Result qualified as "Estimated" based on data validation report.

[1] Dup VOC is duplicate of sample MW-02-02.



LEGEND:

- 1 — LOCATION OF CLOSED UST
- 2 — ESTIMATED LOCATION OF FORMER DEGREASER
- MONITORING WELL LOCATION (MARCH 2004)
- MONITORING WELL LOCATION (SEPT 2004/JAN 2005)
- 100 — ESTIMATED CHLORINATED VOC (CVOC) ISOCONCENTRATION CONTOUR LINE (PARTS PER BILLION)

CVOC ISOCONCENTRATION CONTOUR MAP (FEBRUARY 2005)

STEEL TREATERS
520 CAMPBELL AVENUE
TROY, NY

PROJECT NO.	PREPARED BY	DRAWN BY
0209003P	MTG	
DATE	REVIEWED BY	FILE NAME
04/26/05		FIG. 4-7

Delta Environmental Consultants Inc.

4.2.3 *Hydraulic Conductivity Testing*

Copies of the raw data for each of the slug tests performed are provided in Attachment 4. The hydraulic conductivities ("K-values"), calculated from the slug test data using the Bouwer and Rice[1] (1976) solution, were:

MW-1	K= 6.12 x 10^{-5} centimeter per second (cm/sec)
MW-2	K= 5.46 x 10^{-5} cm/sec
MW-8	K= 9.90 x 10^{-5} cm/sec
MW-9	K= 4.69 x 10^{-5} cm/sec

The average of the four slug test results is K= 6.54 x 10^{-5} cm/sec. This average hydraulic conductivity is typical of clayey silt, such as the soil observed in the samples collected during the drilling of these wells.

Assuming an average porosity of approximately 50% for a clayey silt, and a calculated hydraulic gradient of 0.069 based on the estimated groundwater elevation contours shown on Figure 4-5, the calculated average hydraulic conductivity value implies an average seepage velocity on the order of 9.02 x10^{-6} cm/sec, or 0.0255 feet/day.

[1]Reference: *Bouwer, H. and Rice, R.C., 1976. A slug test method for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells: Water Resources Research, vol. 12., no. 3, pp. 423-428.*

5.0 *SUMMARY OF FINDINGS*

On behalf of the Volunteer (STI), Delta performed a comprehensive soil and groundwater investigation at the subject site, including a March 2004 site investigation followed by a September 2004 - April 2005 supplementary site investigation. The investigations were performed in accordance with a 29 October 2003 NYSDEC-approved VCP Site Investigation Work Plan and a subsequent 17 August 2004 Work Plan Addendum. The overall findings of both phases of investigation work are summarized as follows:

- Soil beneath the site consists primarily of several feet of granular fill material overlying silt and clay;
- Shale bedrock underlies unconsolidated material, the top of the bedrock surface ranges from 4.5 to 25.8 feet below grade;
- The shallow groundwater table below the site was encountered at a depth of 0.02 feet to 5.95 feet below grade beneath the site, and 10.27 feet below grade immediately off-site (6 April 2005);
- Shallow groundwater flow direction was determined to be generally to the north, based on water level measurements collected in March 2004 and in April 2005;
- Surface soil samples collected in March 2004 did not contain detectable concentrations of VOCs; SVOCs and metals were detected at concentrations below (or for several metals slightly above) referenced guidance values;
- Ten subsurface soil samples (five from March 2004 and five from September 2004) contained at least one VOC at a concentration exceeding referenced guidance values (SVOCs were not present at concentrations exceeding guidance values in the March 2004 samples, and as such were not analyzed in the September 2004 samples);
- Groundwater samples from seven of the eleven monitoring wells contained at least one VOC at a concentration exceeding NYS Groundwater Standards;
- The February 2005 sample collected from monitoring well MW-7, situated approximately ten to twelve feet immediately downgradient (i.e. hydraulically downgradient) of the former degreaser pit, contained 19 compounds at concentrations exceeding applicable groundwater standards, most notably Trichloroethene at 150,000 ppb, and 1,1,1-Trichloroethane at 23,000 ppb;

- Field observations along with the analytical results for the February 2005 MW-7 groundwater sample suggest the presence of free phase product in soil and groundwater in the immediate vicinity of the former degreaser pit location;
- The February 2005 sample from off-site monitoring well MW-11 showed no detections of CVOCs, and no other detections of VOCs exceeding NYS Groundwater Standards;
- The highest concentrations of CVOCs in groundwater beneath the site (i.e., greater than 1,000 parts per billion) appear to be confined in large part to beneath the building;
- The highest concentrations of VOCs in soil appear to be concentrated beneath the former degreaser pit location at depths ranging from approximately two to twelve feet below the existing floor slab, and generally diminishing below twelve feet;
- Further downgradient from the former degreaser pit location, the highest VOC concentrations in soil appear to be present between approximately twelve and fifteen feet below grade;
- With only minor exceptions, PID readings indicate that concentrations of VOCs in soil that may be present appear to generally diminish in the soil column vertically prior to reaching the bedrock interface, and that VOCs are not present in significant concentrations at the soil/bedrock interface;
- Hydraulic conductivity testing results indicate that the clayey silts encountered beneath the site are likely to significantly inhibit contaminant migration, with calculated seepage velocities of 0.0255 feet/day; and,
- A review of the detected contaminant distribution, in addition to geochemical parameters measured in soil and groundwater samples collected from beneath the site, indicate that natural biodechlorination is occurring beneath the site resulting in the natural breakdown of the chlorinated solvents into their respective daughter products.

The sole source of detected VOCs appears to be the former degreaser area located beneath the footprint of the existing STI building. Based on data collected during the course of Delta's investigation work, and in particular the groundwater sampling results from monitoring well MW-11 off-site, the presence of the VOCs detected beneath the site associated with the former degreaser pit did not appear to have affected off-site soil and

groundwater quality (i.e., beyond Campbell Avenue) in exceedance of applicable standards. The volunteer is considering options for Interim Remedial Measures to address conditions at the former degreaser pit area.

ATTACHMENT 1

BORING LOGS

Delta Environmental Consultants, Inc.

TEST BORING LOG

Boring ID:TB-1

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan Start/ Finish Date: 9/14/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger Size/Type of Bit:

Sampling Method: Macro Tube Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	Recovery (ft)	DESCRIPTION	REMARKS
1	SS-1		SM	4.1'	Concrete 9" Gray coarse to fine Sand, little fine gravel, 1' Brown, mottled gray and orange, clayey Silt, stiff, slightly moist	No odors No stains Lab sample collected 1'-3' 10:05 am
2		14.8				
3		14.0	ML		3' Brown clayey Silt, very moist, with fine gravel 4.0-4.2'	
4		7.0				
5		0.5			4.2' Grey clayey Silt, very moist	Crumbly with iron stains 4.0-4.2'
6	SS-2	1.2	ML	4.3'	5.5' Alternating gray and brown silty Clay to clayey silt, moist	
7					6.5' Brown clayey silt, moist	No stains No odors
8		1.1			8.0' Grey silty Clay, moist	
9		0.8				
10	SS-3	0.8	ML	3.7'	10' Grey silty Clay, wet	No stains No odors
11						
12						
13		1.0				
14						
15	SS-4	0.7	ML	1.7'	15.2' Grey clayey Silt, some fine to medium gravel, little coarse to fine sand, very moist (Till)	No stains No odors
16		0.7			16.5' Grey weathered Bedrock, moist	
17					Refusal at 16.7'	
18						
19						
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:TB-02-02

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/13/04 Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1	S-1	9.3	3.5'	SM	Concrete (6") Brown medium to fine SAND, some silt, trace fine gravel, moist	Slight solvent odor
2		99.8		GM	1.2' - Brown medium to fine GRAVEL, little coarse to fine sand, some silt, most	
3		387		ML	2.0' - Brown clayey SILT, trace fine sand, with occassional bed (2") of silty fine sand, moist	Solvent odor
4						Sample for lab analysis (2'-2.5') VOCs (2'-5') SVOCs
5	S-2	86.0	5.0'	SM	5.25' - Brown coarse to fine SAND, some silt, trace fine gravel, moist	
6		296			6.0' - Brown clayey SILT, trace fine sand, moist	
7		6.4		ML		Solvent odor
8						
9		18.0			9.5' - Gray clayey SILT, wet	
10		7.4				
11	S-3	365	2.5'	ML		Solvent odor
12		14.5				
13						
14		4.8				
15					same	
16	S-4	1.3		ML	16.7' - Light grey coarse to fine gravel, little clayey silt moist (Weathered Bedrock)	No visible Stains in TB-02-02
17		65.4				
18					Refusal at 16.8' End of Boring	

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:TB-02-03

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/17/04 Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1	S-1	6.7	3.0'	ML	Concrete (6") Light gray coarse GRAVEL, some fine sand, some silt, dry 0.8' Mottled gray and brown clayey SILT, trace fine sand, slightly moist	No odors No Stains
2						
3		9.3				
4						
5	S-2	11.2	5.0'	ML	5.5' - Brown clayey SILT, very moist	
6						
7		12.0				
8						
9		19.1			9.5' - Gray clayey SILT, very moist	Slight odor No Stains
10	S-3	9.8	4.5'	ML		
11		8.2			11.0-11.7' Grayish brown clayey SILT, very moist Gray clayey SILT, very moist	Lab samples (13-15') VOCs (11.7-15') SVOCs
12		13.7				
13						
14		14.7				No odors
15	S-4	9.6	4.5'	ML	same	
16					Gray clayey SILT, very moist	
17						
18		1.3				
19		0.4			19.4' Light gray coarse to fine GRAVEL, some silt (Bedrock)	
20					Refusal at 19.5' End of Boring	

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Delta Environmental Consultants, Inc.

TEST BORING LOG

Boring ID:TB-4

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters — Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan — Start/ Finish Date: 9/13/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger — Size/Type of Bit:

Sampling Method: Macro Tube — Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	Recovery (ft)	DESCRIPTION	REMARKS
1	SS-1	1.4	SW	3.4'	Concrete 9" Gray medium to fine Sand, medium to fine gravel, trace silt, very slightly moist	No stains No odors, except very slight odor 1'-3'
2						
3		0.9	ML		3.2' Dark gray clayey silt, slightly moist	
4						
5		0.9			4.1' Grey clayey Silt and very fine Sand, slightly moist	No stains slight solvent odor 5'-6.2'
6	SS-2	1.3	ML	5.0'		
7		11.0			6.2' Brown, mottled gray, clayey Silt, slightly moist	Lab sample collected 8'-10' 11:25
8						
9		40.0			9.0' Gray clayey Silt 9.5' Brown clayey Silt, moist	
10	SS-3	12.1	ML	5.0'	10' Gray fine sand, some clayey Silt, trace fine gravel, moist	No stains Slight solvent odor 10-11.2'
11		10.0			11.2' Brown clayey Silt, moist	
12		10.6				loose to 12' stiff 12-14'
13						
14		10.0			14' Gray clayey silt, moist to wet	
15	SS-4	11.7		2.3'		No stains No odors
16						
17						
18					Refusal at 17.3'	
19						
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted
Internet-one

TEST BORING LOG

Boring ID:TB-02-05

Page 1 of 2

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04
Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1	S-1	0.6	4.5'	SM	Dark brown fine to medium SAND, trace silt, organic, moist	No odors No Stains in TB-02-05
2		3.5		ML	0.8' Brown, mottled gray and orange, clayey SILT, trace fine sand, slightly moist	Sample for lab analysis (1'-3')
3						
4		1.5			4' - Becomes very moist	H2O at 3' upon completion
5					Brown clayey SILT, wet	
6	S-2	0.5	5.0'	ML		
7						
8		0.5			8-8.5' - pebbles	
9						
10					10.0' Grey clayey SILT, wet	
11	S-3	0.5	2.0'	ML		
12						
13						
14		0.4				
15					same	
16	S-4	0.3	5'	ML		
17		0.3			Grey silty CLAY, wet	
18		0.2				
19		0.2			19.0 Gray clayey SILT to Silty Clay, wet	
20		0.2				

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted	TEST BORING LOG	Boring ID:TB-02-05 Page 2 of 2

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04 Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
21	S-5	0.2	2.6'	ML	21.9 Light gray, fine sandy SILT, little medium to fine gravel, trace clay, moist (Weathered Bedrock)	
22		0.2				
23					Refusal at 23.0' End of Boring	

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:TB-02-06

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04 Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1	S-1	0.4	4.75'	GM	Grey brown medium to fine GRAVEL, some clayey silt, trace fine sand, moist	Top 1" organic No odors No Stains
2		16.4		ML	1.25' Brown clayey SILT, slightly moist	Sample for lab analysis (1.25'-4') VOCs (1.25'-5')SVOCs
3						
4					4' - Brown SILT and CLAY, moist	
5		11.3			Brown clayey SILT, trace fine sand, wet	No odors No Stains
6	S-2	1.7	5.0'	ML		
7					7.4 Grey clayey SILT, wet	
8		8.8				
9						
10	S-3				Grey clayey SILT to silty CLAY, wet	No odors No Stains
11		0.7	5.0'	ML		
12					12.7' Sand lens	
13						
14		0.4				
15	S-4				Grey clayey SILT, wet	No odors No Stains
16		0.4	4.7'	ML		
17					Grey clayey SILT, with occassional layers of silty CLAY, wet	
18						
19		0.3				
20					same	

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted International

TEST BORING LOG

Boring ID:TB-02-06

Page 2 of 2

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04 Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
21	S-5	0.4		ML		No odors No Stains
22						
23		0.3		SM	23' Light gray, medium fine SAND, and clayey silt, little fine gravel, moist (Weathered Bedrock)	
24						
25					Refusal at 24.5' End of Boring	
26						
27						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:TB-02-07

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04
Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1	S-1	0.3	5.0'	ML	Brown medium to fine GRAVEL, some silt, moist	No odors No Stains
2		0.3			1.1' Brown clayey SILT, trace fine sand, trace fine gravel, moist	
3						
4		0.3				
5	S-2	0.4	5.0'	ML	Brown clayey SILT, some fine sand, trace fine gravel, moist	No odors No Stains
6		0.3			6.7' Brown fine to medium SAND, some silt, moist	
7					6.9' Brown clayey SILT, trace fine and, wet	
8		0.5				
9		4.1			9.2' Grey clayey SILT, moist	
10	S-3	0.5	5.0'	ML	Same	No odors No Stains
11		1.0				
12						
13		34.9				Sample for lab analysis (12.5'-15')
14						
15	S-4	6.7	5.0'	ML	Same	No odors No Stains
16		1.8				
17						
18		0.4			Grey clayey SILT, wet	
19						
20					same	

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted international

TEST BORING LOG

Boring ID:TB-02-07

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04 Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
21	S-5	0.9	5.0'	ML	Gray clayey SILT, wet	No odors No Stains
22						
23		0.4				
24						
25	S-6	0.3	1.5	ML	25.8' Light gray fine sandy SILT and medium to fine GRAVEL, little coarse to fine sand, moist (Weathered Bedrock)	
26		0.4		GM		
27					Refusal at 26.6' End of Boring	

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:TB-02-08

Page 1 of 2

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04
Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1	S-1	0.3	3.3'	ML	Brown fine to medium SAND, some silt, little (lenses) fine gravel, moist	No odors No Stains
2					1.7' Brown clayey SILT, trace fine sand, slightly moist	
3		0.3				
4						
5	S-2	0.3	5.0'	ML	Brown clayey SILT, some fine SAND (bedded), moist	No odors No Stains
6					6.5' Brown clayey SILT, trace fine sand, wet	
7		0.3				
8						
9		0.4				
10	S-3	0.3	5.0'	ML	10.5 Brown clayey SILT, trace fine sand, wet	No odors No Stains
11						
12						
13		0.4				Sample for lab analysis (13.4' -15')
14		3.1			13.4' Grey clayey SILT, wet	
15					Same	No odors No Stains
16	S-4	1.6	5.0'	ML		
17						
18					Grey clayey SILT, wet	
19		0.8				
20					same	

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:TB-02-08

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04
Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? N0

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
21	S-5	0.4	4.0'	ML		No odors No Stains
22						
23		0.4				
24						
25	S-6	0.3	3.2'	ML	same	No odors No Stains
26						
27						
28					28.6' Light gray coase to fine GRAVEL, little clayey silt, some fine to coarse sand, moist (Weathered Bedrock)	
29		0.3				
30					Refusal at 29.4' End of Boring	

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:TB-02-09

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/17/04 Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1	S-1	2.3	4.2'	ML	Concrete (6") Mottled brown and gray clayey SILT, moist	No odors No Stains
2		2.9			1.7' - Gray SILT, trace clay, trace fine sand, moist	
3					2.7' - Brown clayey SILT, slightly moist	
4		3.6				Sample for lab analysis (2.7' - 5.0')
5	S-2	0.4	4.8'	ML	Brown clayey SILT, moist	
6						
7		0.3				No odors No Stains
8					8.25' Gray Clayey SILT, very moist	
9		0.3				
10	S-3	0.3	3.0'	ML	Grey Clayey SILT, wet	No odors No Stains
11						
12		0.3				
13		0.3			13.5' - Grey Clayey SILT, little medium to fine gravel	
14					Refusal at 13.8' End of Boring	
15						
16						
17						
18						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:TB-02-10

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InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/17/04 Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1	S-1	0.3	2.0'	GM	Concrete (6") Light gray medium to fine GRAVEL, some silt, little fine sand, dry	No odors No Stains
2		0.4		ML	1.0' - Brown clayey SILT, some fine sand, trace fine gravel, moist	Mottled orange and grey
3						
4		0.4				
5	S-2		5.0'			No odors No Stains
6		0.4		ML		
7					6.5' Brown clayey SILT, very slightly moist	Sample for lab analysis (7.0'-9.0')
8		0.6		CL	Gravel at base of boring (8.9') (FILL?)	
9					Refusal at 9.0' End of Boring	
10						
11						
12						
13						
14						
15						
16						
17						
18						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

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TEST BORING LOG

Boring ID:TB-10A

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InteGreyted Project Number/Name: 0209003P - Steel Treaters — Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan — Start/ Finish Date: 9/13/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger — Size/Type of Bit:

Sampling Method: Macro Tube — Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	Recovery (ft)	DESCRIPTION	REMARKS
1	SS-1	0.8	SW	3.3'	Concrete 9" Brown coarse to fine Sand, some medium to fine gravel, little clayey silt, slightly moist	No odors No stains
2						
3						
4		0.6			4.5' Gray silty Clay, moist	No odors Black stains 5.2'-6.6'
5	SS-2			5.0'		
6		0.7	SM		5.2' Brown to grayish brown silty fine Sand, little clayey silt, trace fine gravel, moist 6.6' Gray to brown mottled, clayey Silt, trace fine sand, stiff, slightly moist	
7						
8		0.6	ML			
9						
10	SS-3	1.1	ML	4.9'	10.0' Brown silty fine Sand, trace silt, trace fine gravel, loose, slightly moist 10.3' Brown clayey Silt, with black gravel layers at 10.6-10.8' and 11.0-11.5', slightly moist	No odors Black stains
11						
12						Lab sample collected 13'-15' 10:45
13					13.0' Gray clayey Silt, wet	
14		35.4		2.5'		
15	SS-4	30.3				No odors No stains
16						
17		1.2				
18					Refusal at 17.6'	
19						
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:TB-02-11

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InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04 Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1	S-1	1.5	0.4'	GM (fill)	Blacktop pavement (4") Grey and brown mottled, Clayey SILT and medium to fine gravel, some coarse to fine sand, slightly moist (FILL)	No odors No Stains
2						
3						
4					Brown clayey SILT, moist	No odors No Stains
5	S-2	0.3	3.5'	ML		
6						
7		0.4				
8					Brown Clayey SILT, very moist to wet	No odors No Stains Sample for Lab Analysis (8.0'-9.75')
9	S-3	1.4	4.0'	ML		
10					9.75' Grey Clayey SILT, wet	
11		0.3				
12						
13	S-4	0.3	3.0'	ML		No odors No Stains
14					14.0' - Brown-grey coarse to fine gravel, some coarse to fine sand, little clayey SILT, very moist (Weathered Bedrock)	angular gravel
15		0.3		GM		
16					Refusal at 15.0' End of Boring	
17						
18						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:TB-02-12

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InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04 Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1		1.6		SW	Blacktop pavement (3") Brown fine to medium sand, trace fine gravel, slightly moist (FILL)	No odors No Stains
2	S-1	0.6	3.75'	CL	2.2' - Mottled grey brown Silty CLAY, trace fine gravel, slightly moist	
3		5.1		ML	2.5' - Brown SILT, trace clay, stiff, slightly moist.	
4				ML	2.35' - Brown Fine SAND, trace silt, slightly moist.	No odors No Stains
5		21.4		SM	4.4' - Brown SILT, trace Clay, slightly moist.	
6	S-2		3.9'	ML		Sample (6'-7.5') for lab analysis
7		31.6			7.5' Mottled grey to brown SILT trace clay, little fine sand, very slightly moist, stiff.	
8		3.2			8.0' Greyish brown silty Fine SAND, trace clay, wet.	No odors No Stains
9	S-3	8.1	1.7'	SM	9.2' Angular Gravel (Weathered Bedrock)	
10					Refusal at 9.7' End of Boring	
11						
12						
13						
14						
15						
16						
17						
18						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:TB-02-13

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InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04
Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1	S-1	1.7	3.0'		Blacktop pavement (3") Brown coarse to fine SAND and medium to fine GRAVEL, some silt, slightly moist	No odors No Stains
2					2.0' - Grey to brown mottled SILT, little clay	
3		0.5			2.5' - Brown Clayey SILT, slightly moist.	Sampled (2'-4.5') for SVOC lab analysis sampled (4'-4.5') for VOC lab analysis
4	S-2	0.7	2.0		Brown Clayey SILT, little fine sand, trace fine gravel, dry to slightly moist	
5		0.5			4.5' - Light brown, mottled black and orange brown SILT and fine to medium GRAVEL (broken rock), little coarse to fine sand,slightly moist(Weathered Bedrock)	
6					Refusal at 6.0' End of Boring	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted	TEST BORING LOG	Boring ID:TB-02-14 Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: Harry Connal, ADT

Geologist/Inspector: Kevin Phelan Start/ 3/15/04 Finish Date:

Drilling Equip/Method: Geoprobe Size/Type of Bit: Macro Core

Sampling Method: Direct Push Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Ground Surface (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Recovery (ft)	Unified Classif-ication	DESCRIPTION	REMARKS
1	S-1	0.4	3.6'	SM	Blacktop pavement (3") Grey to brown fine SAND, little silt, some medium to fine gravel, slightly moist (FILL)	No odors No Stains loose
2						
3		0.4		ML	2.75' - Brown SILT, trace clay, trace fine sand, slightly moist.	
4				SM	3.25' - Brown silty, fine SAND, with occassional beds of silty fine SAND, with medium to fine gravel, slightly moist	No odors No Stains
5	S-2	0.3	3.4'	SM		
6					6.5' - Brown silty fine SAND, with occassional beds of silt, moist	
7		0.4				
8					Brown silty fine SAND, wet	No odors No Stains pebbles at 9'
9	S-3	0.4	4.0'	SM		
10					10.4' - Brown SILT, trace fine sand, trace fine gravel, with occassional bed of silty fine sand, very moist	
11		0.4		ML		
12		1.2		CL	11.6' - Grey silty CLAY, wet	sample for lab analysis (11.6-12) VOCs (10.4-12) SVOCs
13	S-4	0.4	3.5'	ML	13.5' - Grey clayey SILT, very moist to wet	No odors No Stains
14						
15		0.7				
16	S-5	0.4	0.6'	CL	Grey silty CLAY, pebbles at base, very moist	No odors No Stains
17					Refusal at 16.8' End of Boring	
18						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

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TEST BORING LOG

Boring ID:TB-15

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InteGreyted Project Number/Name: 0209003P - Steel Treaters — Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan — Start/ Finish Date: 9/14/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger — Size/Type of Bit:

Sampling Method: Macro Tube — Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	Recovery (ft)	DESCRIPTION	REMARKS
1	SS-1	0.8	GW	3.4'	Dark brown medium to fine Gravel, little coarse to fine sand, trace organics, moist	No stains No odors
2					0.5' Brown clayey Silt, little fine gravel, trace coarse to fine sand, moist	
3		0.8			2.0' Brown clayey Silt, moist to wet	
4						
5	SS-2	0.8	ML		4.8' Gray clayey Silt, wet	No stains No odors
6					7.5' Gray clayey Silt, little medium to fine gravel, trace sand, most (Till)	
7		0.6				Lab sample collected for TOC 7'-7.5' 11:35
8					Bedrock in Tip	
9					Refusal at 8.3'	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

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TEST BORING LOG

Boring ID:TB-16

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InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan Start/ Finish Date: 9/14/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger Size/Type of Bit:

Sampling Method: Macro Tube Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	Recovery (ft)	DESCRIPTION	REMARKS
1	SS-1	0.7	GM	4.9'	Dark brown medium to fine Gravel, little clayey silt, trace sand, trace organics, moist	No stains No odors
2		0.6			0.2' Brown clayey Silt, little fine sand, trace white ash, moist	
3		0.4			0.8' Brown, mottled gray clayey Silt, trace fine sand	
4					2.5' Brown clayey Silt, moist to wet	
5			ML			No stains No odors
6	SS-2	0.6		3.0	6.2' Gray clayey Silt, moist to wet	
7		0.3				Lab sample collected for TOC 7'-8'
8					End of Boring Total Depth 8.0'	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Delta Environmental Consultants, Inc.

TEST BORING LOG

Boring ID:TB-17

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InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan Start/ Finish Date: 9/14/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger Size/Type of Bit:

Sampling Method: Macro Tube Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	Recovery (ft)	DESCRIPTION	REMARKS
1	SS-1	5.2	SW	4.0	Concrete 9" Grayish brown coarse to fine Sand, little fine gravel, little silt, very slightly moist. 1.5' Brown, mottled gray, clayey Silt, occasional pebble, slightly moist.	No stains very slight organic odor to 1.5'
2						
3		1.8				Sand lens @ 3.8'
4					4.2' Alternating gray and brown clayey Silt, slightly moist.	
5		0.7				
6	SS-2	0.6	ML	4.4	6.5' Grey clayey Silt, occasional lens with little very fine sand, moist.	No stains No odors
7		0.8				
8						
9		0.6				
10	SS-3	0.5		4.5	Grey clayey Silt, moist.	No stains No odors
11						
12						
13		0.8				
14					14.4' Grey clayey Silt, little coarse to fine sand, trace fine gravel, slightly moist.	
15		0.7				
16					Refusal at 14.8'	
17						
18						
19						
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

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TEST BORING LOG

Boring ID:TB-18

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InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan Start/ Finish Date: 9/13/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger Size/Type of Bit:

Sampling Method: Macro Tube Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	Recovery (ft)	DESCRIPTION	REMARKS
1					Concrete	
2	SS-1	393		4.3	9" Brown and gray mottled clayey Silt, trace fine sand, very slightly moist.	No stains Solvent odor
3						Lab sample collected 3-5' 15:40pm, blind "Dup" Also 3-5'
4		326			5' Brown clayey Silt, moist.	
5						
6	SS-2	102	ML	4.8		No stains slight solvent odor
7						
8		76.7			8.5' Gradational change to Gray clayey Silt, very moist.	
9						
10						
11	SS-3	1.2				No stains No odors Lab sample collected 10-12.5' 15:50pm
12					12.5' Gray clayey Silt, wet, loose.	
13		1.4		4.9		
14					14.5' Gray fine to coarse Sand, some clayey silt, trace fine gravel, moist, till.	
15		1.3	GM		Refusal @ 15.0'	
16						
17						
18						
19						
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

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TEST BORING LOG

Boring ID:TB-19

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InteGreyted Project Number/Name: 0209003P - Steel Treaters — Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan — Start/ Finish Date: 9/13/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger — Size/Type of Bit:

Sampling Method: Macro Tube — Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	Recovery (ft)	DESCRIPTION	REMARKS
1	SS-1	4.2	ML	3.5	Concrete 9" Brownish gray fine Sand, some silt, trace fine gravel, very slightly moist. 2' Dark gray, mottled brown silty Clay, trace organics, moist 2.8' Gray clayey Silt, little fine sand, slightly moist. 5' Gray mottled brown, clayey Silt, very moist. 7.5' Brown clayey Silt, moist. 9.7' Gray clayey Silt, wet.	No stains No odor, except organic odor 2-3' . No stains No odors
2		8.7				
3						
4		7.4				
5	SS-2	6.5				
6						
7		5.6				
8						
9		6.9				
10	SS-3	28.0		2.8		Lab sample collected 10-12.5' 1:55pm
11						
12						
13		1.3				
14						
15					Refusal @ 15.1'	
16						
17						
18						
19						
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Delta Environmental Consultants, Inc.

TEST BORING LOG

Boring ID:TB-20

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InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan Start/ Finish Date: 9/13/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger Size/Type of Bit:

Sampling Method: Macro Tube Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	Recovery (ft)	DESCRIPTION	REMARKS
1			SM	4.0	Concrete 9" Gray fine Sand, little silt, very slightly moist. 2.7' Brown and gray mottled clayey Silt, with gray sand lens 4-4.2', moist.	No stains No odor
2	SS-1	1.2				
3						
4		1.6				
5			ML	4.2	Gray and brown mottled clayey Silt, stiff, moist.	No stains No odors
6		6.6				
7	SS-2				7.5' Gradational loss of gray mottling brown clayey Silt, moist.	
8		7.6				
9						
10				5.0	Wet below 11'	No stains No odors Lab sample collected 11-13' 14:35pm
11		3.1				
12	SS-3	10.0			13.2' Gray silty Clay, wet.	
13						
14		1.9			15' Gray coarse to fine Sand, some clayey silt little fine gravel (till) moist 15.5' Gray weathered bedrock.	Lab sample collected 14-15.5' 14:45 pm No stains No odors
15	SS-4	0.9	SC	0.6		
16					Refusal @ 15.6'	
17						
18						
19						
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

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TEST BORING LOG

Boring ID:TB-21

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InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan Start/ Finish Date: 9/13/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger Size/Type of Bit:

Sampling Method: Macro Tube Well Installed? No

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	Recovery (ft)	DESCRIPTION	REMARKS
1					Concrete	
		1.2	SP		9" Grey coarse to fine Sand and fine Gravel, trace silt, dry.	No stains No odor
2	SS-1			3.2	2' Grey fine sand, little Silt, trace fine gravel, slightly moist.	
3		1.3			4' Gray and brown mottled clayey Silt, trace fine sand, slightly moist.	
4						
		1.1				
5						No stains
		0.9	ML		6' Brown clayey Silt trace fine sand, occasional pebble, slightly moist, mottled gray, stiff.	No odors
6						
7	SS-2	2.2		4.4		
8						
9		3.1				
10					10' Brown clayey Silt, trace fine sand, with layers of very fine sand 12'-13.5', moist, stiff.	No stains No odors Lab sample collected 10-12' 1:00pm
11		9.0				
12	SS-3			4.0		
13		7.7				
14			ML		14' Grey clayey Silt, wet	
		11.2				
15						No stains No odors
		1.8				
16	SS-4			2.2		
17		1.1			17.5' Light grey Gravel and clayey Silt, some coarse to fine sand. (bedrock)	
			GM			
18					Refusal 17.6'	
19						
20						

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted	TEST BORING LOG	Boring ID:MW-02-01 Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan Start/ Finish Date:3/16/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger Size/Type of Bit: 4.25" ID

Sampling Method: Auger Cuttings Well Installed? Yes

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date): 4.72' (3/30/04)

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	DESCRIPTION	REMARKS
1					Well Construction Depths:
2				Clayey SILT	
3	AC-1	0.7			
4					Screened Interval (4'-19')
5					
6					
7					Sand Pack (2'-19')
8	AC-2	0.6			
9					Bentonite Seal (1'-2')
10			ML		
11					Locking Standpipe (5' length)
12					
13	AC-3	0.6			
14					
15					
16					
17	AC-4	0.5			
18					
19				Refusal at 19.0'	
20					

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:MW-02-02

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InteGreyted Project Number/Name: 0209003P - Steel Treaters — Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan — Start/ Finish Date:3/16/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger — Size/Type of Bit: 4.25" ID

Sampling Method: Auger Cuttings — Well Installed? Yes

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date): 6.65' (3/30/04)

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	DESCRIPTION	REMARKS
1					Well Construction Depths:
2				Clayey SILT	
3	AC-1	0.3			
4				~3' to 4' - Cuttings became "shiny" (oily?) - no odor	Screened Interval (5'-20')
5					
6					Sand Pack (3'-20')
7					
8	AC-2	0.4			Bentonite Seal (2'-3')
9					
10			ML		Locking Standpipe (5' length)
11					
12					
13	AC-3	0.2			
14					
15					
16					
17	AC-4	0.3			
18					
19					
20				End of Boring at 20.0'	

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted	TEST BORING LOG	Boring ID:MW-02-03 Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan Start/ Finish Date:3/18/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger Size/Type of Bit: 4.25" ID

Sampling Method: Auger Cuttings Well Installed? Yes

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date): 6.27' (3/30/04)

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	DESCRIPTION	REMARKS
1					Well Construction Depths:
2				Sand, little gravel (0' - 2')	
3	AC-1	0.4			
4				Sand SILT (2' - 3.5')	Screened Interval (5'-17')
5					
6				Clayey SILT (3.5' - 17')	
7					Sand Pack (3'-17')
8	AC-2	0.4			
9					Bentonite Seal (2'-3')
10					
11					Flush roadbox
12					
13	AC-3	0.4			
14					
15					
16	AC-4				
17		0.4			
18				Refusal at 17..0'	
19					
20					

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:MW-02-04

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters | Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan | Start/ Finish Date:3/16/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger | Size/Type of Bit: 4.25" ID

Sampling Method: Auger Cuttings | Well Installed? Yes

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date): 5.29 (3/30/04)

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	DESCRIPTION	REMARKS
1				Sand and gravel (0' - 2')	Well Construction Depths:
2				Silty Sand (2' - 4')	Screened Interval (4'-8')
3					Sand Pack (2'-8')
4				Clayey SILT (4' - 8')	Bentonite Seal (1'-2')
5					
6					Flush roadbox
7					
8				Refusal at 8'	
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:MW-02-05

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters — Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan — Start/ Finish Date:3/17/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger — Size/Type of Bit: 4.25" ID

Sampling Method: Auger Cuttings — Well Installed? Yes

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date): 3.29 (3/30/04)

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	DESCRIPTION	REMARKS
1				Silty CLAY to Clayey SILT	Well Construction Depths: Screened Interval (4.3'-8.3') Sand Pack (2'-8.3') Bentonite Seal (1'-2') Locking Standpipe (5' length)
2	AC-1	0.4			
3					
4					
5					
6	AC-2	0.4			
7					
8					
9				Refusal at 8.3'	
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

InteGreyted

TEST BORING LOG

Boring ID:MW-02-06

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters — Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan — Start/ Finish Date:3/18/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger — Size/Type of Bit: 4.25" ID

Sampling Method: Auger Cuttings — Well Installed? Yes

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date): 2.62' (3/30/04)

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	DESCRIPTION	REMARKS
1				Clayey SILT	Well Construction Depths:
2	AC-1	0.4			Screened Interval (4.3'-11.3')
3					Sand Pack (2'-11.3')
4					Bentonite Seal (1'-2')
5					
6					Flush Roadbox
7	AC-2	0.4			
8					
9					
10					
11	AC-3	0.4			
12				Refusal at 11.3'	
13					
14					
15					
16					
17					
18					
19					
20					

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Delta Environmental Consultants, Inc.

TEST BORING LOG

Boring ID:MW-7

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters — Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan — Start/ Finish Date: 9/14/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger — Size/Type of Bit:

Sampling Method: Auger Cuttings — Well Installed? Yes

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	DESCRIPTION	REMARKS
1				Augered to 15'	
2				Concrete to 9"	
3	AC-1	45.7		Brown clayey Silt, moist	Well construction depths: Screened Interval (4.9'-14.9') Sand Pack (3'-15') Bentonite Seal: (1'-3') Roadbox
4					
5					
6				Brown clayey Silt, moist to wet	
7	AC-2				
8		130	ML		
9					
10					
11				Gray clayey Silt, wet	
12	AC-3				
13		30.6			
14					
15		3.5			
16				Auger Refusal 15.0'	
17					
18					
19					
20					

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Delta Environmental Consultants, Inc.

TEST BORING LOG

Boring ID:MW-8

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters | Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan | Start/ Finish Date: 9/15/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger | Size/Type of Bit:

Sampling Method: Auger Cuttings | Well Installed? Yes

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	DESCRIPTION	REMARKS
1				Brown clayey Silt, moist	
2	AC-1	0.4			Well construction depths: Screened Interval (5'-10') Sand Pack (3'-10') Bentonite Seal: (1'-3') Roadbox
3					
4					
5			ML	Brown clayey Silt, wet	
6					
7	AC-2				
8		0.3			
9					
10				Auger Refusal 10.0'	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Delta Environmental Consultants, Inc.

TEST BORING LOG

Boring ID:MW-9

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters | Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan | Start/ Finish Date: 9/15/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger | Size/Type of Bit:

Sampling Method: Auger Cuttings | Well Installed? Yes

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	DESCRIPTION	REMARKS
1				Brown clayey Silt, moist	
2					
3	AC-1	1.2			
4					
5			ML	Brown clayey Silt, moist to wet by ~8'	
6					
7	AC-2	1.4			
8					
9					Well construction depths: Screened Interval (9.6'-19.6') Sand Pack (7'-19.6') Bentonite Seal: (5'-7') Locking Stand pipe
10					
11					
12	AC-3	1.2		~12-13' Change to Gray clayey Silt, wet	
13					
14			ML		
15					
16					
17	AC-4	3.0			
18					
19					
20				End of Boring Total Depth = 19.6'	

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Delta Environmental Consultants, Inc.

TEST BORING LOG

Boring ID:MW-10

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters | Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan | Start/ Finish Date: 9/15/04

Drilling Equip/Method: Geoprobe ATV/Hollow Stem Auger | Size/Type of Bit:

Sampling Method: Auger Cuttings | Well Installed? Yes

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	DESCRIPTION	REMARKS
1				Blacktop	
				2" Medium Gravel, little sand and silt, dry	No stains
2				4" Brown fine Sand, little silt, trace gravel, moist.	No odors
3	AC-1	1.4		~2' Brown clayey Silt, moist.	
4					
5			ML		
6					
7	AC-2	0.8			
8					
9					Well construction depths:
10					Screened Interval (6.4'-16.4')
11					Sand Pack (4.2'-16.4')
12	AC-3	3.2		Change to Gray clayey Silt, wet	Bentonite Seal: (1'- 4.2')
13					Road Box
14			ML		
15		5.9			
16	AC-4				
17				Auger refused @ 16.4'	
18					
19					
20					

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

Delta Environmental Consultants, Inc.

TEST BORING LOG

Boring ID:MW-11

Page 1 of 1

InteGreyted Project Number/Name: 0209003P - Steel Treaters Location: Troy, NY

Drilling Contractor/Personnel: ADT, Harry Connal

Geologist/Inspector:Kevin Phelan Start/ Finish Date: 1/24/05

Drilling Equip/Method: CME-55/Hollow Stem Auger Size/Type of Bit: 4.25"ID. HSA

Sampling Method: Auger Cuttings/ Split Spoon Sampler Well Installed? Yes

Elevation/Ground Surface:

Depth to Ground Water from Top of PVC Casing (Date):

REMARKS:

Depth (Ft)	Sample No.	PID Headspace Reading (ppm)	Unified Classif-ication	DESCRIPTION	REMARKS
1				Brown fine Sand and Silt, little fine gravel, trace organics, moist.	
2	AC-1	1.1	SM		
3					
4					
5				Brown coarse to fine Sand and medium to fine Gravel, some silt, moist (gravel lens from 5.4'-5.7')	Sampler Blows 7-5-4-6 Recovery 1.9'
6	SS-1	1.2			
7					
8			SW		
9					
10		1.5		Brown fine Sand, some fine gravel, little silt moist, occasional black stains from 10-10.5' 11.3' Bedrock (crushed) gray coarse to fine Gravel, some silt little coarse to fine sand dry.	Sampler Blows 24-13-50-50/0.2' Split spoon refusal at 11.7' Recovery 1.6'
11	SS-2	1.0			
		0.5			
12			GM		
13				Total Depth = 13.0'	Well construction depths: Screened Interval (4'-13') Sand Pack (2.3'-13') Bentonite Seal: (0.5'- 2.3') Road Box
14					
15					
16					
17					
18					
19					
20					

Proportions Used: Trace=0-10% Little=10-20% Some=20-35% And-35-50%

ATTACHMENT 2

LABORATORY FORM I REPORTS

LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: MW-1
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 245184-1
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroform	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Benzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Toluene	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/18/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	1.0	U		1.0	ug/L	02/18/05	dmd
	o-Xylene	1.0	U		1.0	ug/L	02/18/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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

LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: MW-1
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:05
Sample Matrix.....: Water

Laboratory Sample ID: 245184-1
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

0007 30

STL Newburgh
315 Fullerton Avenue
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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V021805.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 3

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2	26.25	9	J
2.	Unknown CnH2n+2	27.83	5	J
3.	Unknown CnH2n+2	28.38	15	J

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

LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: MW-5
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:15
Sample Matrix.....: Water

Laboratory Sample ID: 245184-2
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroform	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Benzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Toluene	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/18/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	1.0	U		1.0	ug/L	02/18/05	dmd
	o-Xylene	1.0	U		1.0	ug/L	02/18/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-5
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:15
Sample Matrix.....: Water

Laboratory Sample ID: 245184-2
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-5

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V021808.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

000044

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LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: MW-6
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:25
Sample Matrix.....: Water

Laboratory Sample ID: 245184-3
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	0.66	J		1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroform	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Benzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichloroethene	12			1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Toluene	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/18/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	1.0	U		1.0	ug/L	02/18/05	dmd
	o-Xylene	1.0	U		1.0	ug/L	02/18/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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SEVERN TRENT STL

NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049 PA 68-378 M-NY049

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315 Fullerton Avenue
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LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-6
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:25
Sample Matrix.....: Water

Laboratory Sample ID: 245184-3
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-6

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V021809.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: MW-11
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 245184-4
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroform	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Benzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Toluene	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/18/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	1.0	U		1.0	ug/L	02/18/05	dmd
	o-Xylene	1.0	U		1.0	ug/L	02/18/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	0.50	J		1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	1.6			1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

SEVERN TRENT STL

NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049 PA 68-378 M-NY049

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LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: MW-11
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 245184-4
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	0.50	J		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-11

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-004

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V021810.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 11

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2	21.44	14	J
2.	Unknown CnH2n+2	22.05	8	J
3.	Unknown CnH2n+2	23.92	37	J
4.	Unknown CnH2n+2	25.41	7	J
5.	Unknown CnH2n+2	26.23	53	J
6.	Unknown CnH2n+2	26.56	23	J
7.	Unknown CnH2n+2	27.62	5	J
8.	Unknown CnH2n+2	27.83	20	J
9.	Unknown CnH2n+2	28.38	46	J
10.	Unknown CnH2n+2	28.79	8	J
11.	Unknown CnH2n+2	29.97	19	J

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LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/28/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: MW-3
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 245184-5
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	14			1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroform	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Benzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichloroethene	190	J	E	1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Toluene	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/18/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	1.0	U		1.0	ug/L	02/18/05	dmd
	o-Xylene	1.0	U		1.0	ug/L	02/18/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/28/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-3
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 245184-5
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-3

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-005

Sample wt/vol: 0.5 (g/ml) ML Lab File ID: V021811.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2	24.15	190	J
2.	Unknown CnH2n+2	26.37	200	J

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LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/28/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: MW-3
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 245184-5
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	10	U		10	ug/L	02/20/05	dmd
	Chloromethane	10	U		10	ug/L	02/20/05	dmd
	Vinyl chloride	10	U		10	ug/L	02/20/05	dmd
	Bromomethane	10	U		10	ug/L	02/20/05	dmd
	Chloroethane	10	U		10	ug/L	02/20/05	dmd
	Trichlorofluoromethane	10	U		10	ug/L	02/20/05	dmd
	1,1-Dichloroethene	10	U		10	ug/L	02/20/05	dmd
	Methylene chloride	10	U		10	ug/L	02/20/05	dmd
	trans-1,2-Dichloroethene	10	U		10	ug/L	02/20/05	dmd
	1,1-Dichloroethane	10	U		10	ug/L	02/20/05	dmd
	2,2-Dichloropropane	10	U		10	ug/L	02/20/05	dmd
	cis-1,2-Dichloroethene	18		D	10	ug/L	02/20/05	dmd
	Bromochloromethane	10	U		10	ug/L	02/20/05	dmd
	Chloroform	10	U		10	ug/L	02/20/05	dmd
	1,1,1-Trichloroethane	10	U		10	ug/L	02/20/05	dmd
	1,1-Dichloropropene	10	U		10	ug/L	02/20/05	dmd
	Carbon tetrachloride	10	U		10	ug/L	02/20/05	dmd
	Benzene	10	U		10	ug/L	02/20/05	dmd
	1,2-Dichloroethane	10	U		10	ug/L	02/20/05	dmd
	Trichloroethene	220		BD	10	ug/L	02/20/05	dmd
	1,2-Dichloropropane	10	U		10	ug/L	02/20/05	dmd
	Dibromomethane	10	U		10	ug/L	02/20/05	dmd
	Bromodichloromethane	10	U		10	ug/L	02/20/05	dmd
	cis-1,3-Dichloropropene	10	U		10	ug/L	02/20/05	dmd
	Toluene	10	U		10	ug/L	02/20/05	dmd
	trans-1,3-Dichloropropene	10	U		10	ug/L	02/20/05	dmd
	1,1,2-Trichloroethane	10	U		10	ug/L	02/20/05	dmd
	Tetrachloroethene	10	U		10	ug/L	02/20/05	dmd
	1,3-Dichloropropane	10	U		10	ug/L	02/20/05	dmd
	Dibromochloromethane	10	U		10	ug/L	02/20/05	dmd
	1,2-Dibromoethane (EDB)	10	U		10	ug/L	02/20/05	dmd
	Chlorobenzene	10	U		10	ug/L	02/20/05	dmd
	1,1,1,2-Tetrachloroethane	10	U		10	ug/L	02/20/05	dmd
	Ethylbenzene	10	U		10	ug/L	02/20/05	dmd
	m&p-Xylenes	10	U		10	ug/L	02/20/05	dmd
	o-Xylene	10	U		10	ug/L	02/20/05	dmd
	Styrene	10	U		10	ug/L	02/20/05	dmd
	Bromoform	10	U		10	ug/L	02/20/05	dmd
	Isopropylbenzene	10	U		10	ug/L	02/20/05	dmd
	Bromobenzene	10	U		10	ug/L	02/20/05	dmd
	1,1,2,2-Tetrachloroethane	10	U		10	ug/L	02/20/05	dmd
	1,2,3-Trichloropropane	10	U		10	ug/L	02/20/05	dmd
	n-Propylbenzene	10	U		10	ug/L	02/20/05	dmd
	2-Chlorotoluene	10	U		10	ug/L	02/20/05	dmd
	1,3,5-Trimethylbenzene	10	U		10	ug/L	02/20/05	dmd
	4-Chlorotoluene	10	U		10	ug/L	02/20/05	dmd
	tert-Butylbenzene	10	U		10	ug/L	02/20/05	dmd
	1,2,4-Trimethylbenzene	10	U		10	ug/L	02/20/05	dmd

* In Description = Dry Wgt.

SEVERN TRENT STL

NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049 PA 68-378 M-NY049

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LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/28/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-3
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 245184-5
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	10	U		10	ug/L	02/20/05	dmd
	p-Isopropyltoluene	10	U		10	ug/L	02/20/05	dmd
	1,4-Dichlorobenzene	10	U		10	ug/L	02/20/05	dmd
	n-Butylbenzene	10	U		10	ug/L	02/20/05	dmd
	1,2-Dichlorobenzene	10	U		10	ug/L	02/20/05	dmd
	1,2-Dibromo-3-chloropropane	10	U		10	ug/L	02/20/05	dmd
	Hexachlorobutadiene	10	U		10	ug/L	02/20/05	dmd
	Naphthalene	10	U		10	ug/L	02/20/05	dmd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-4
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 245184-6
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloromethane	0.65	J		1.0	ug/L	02/18/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	3.4			1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroform	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Benzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichloroethene	33			1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Toluene	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	3.2			1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/18/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	1.0	U		1.0	ug/L	02/18/05	dmd
	o-Xylene	1.0	U		1.0	ug/L	02/18/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

STL Newburgh
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LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-4
Date Sampled.....: 02/09/2005
Time Sampled.....: 13:55
Sample Matrix.....: Water

Laboratory Sample ID: 245184-6
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V021812.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

0406 24

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LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-9
Date Sampled.....: 02/09/2005
Time Sampled.....: 14:10
Sample Matrix.....: Water

Laboratory Sample ID: 245184-7
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Vinyl chloride	1.3			1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	9.2			1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroform	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Benzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichloroethene	39			1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Toluene	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	8.0			1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/18/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	1.0	U		1.0	ug/L	02/18/05	dmd
	o-Xylene	1.0	U		1.0	ug/L	02/18/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-9
Date Sampled.....: 02/09/2005
Time Sampled.....: 14:10
Sample Matrix.....: Water

Laboratory Sample ID: 245184-7
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

000163

SEVERN TRENT STL
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.

MW-9

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V021813.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2	28.38	7	J

00064

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LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-10
Date Sampled.....: 02/09/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 245184-8
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Vinyl chloride	2.2			1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	2.1			1.0	ug/L	02/18/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	1.2			1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	1.5			1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	120		E	1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroform	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Benzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichloroethene	200		E	1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Toluene	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/18/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	1.0	U		1.0	ug/L	02/18/05	dmd
	o-Xylene	1.0	U		1.0	ug/L	02/18/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

000223

SEVERN TRENT STL

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

LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-10
Date Sampled.....: 02/09/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 245184-8
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-10

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V021814.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

00625

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

LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: MW-10
Date Sampled.....: 02/09/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 245184-8
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	10	U		10	ug/L	02/20/05	dmd
	Chloromethane	10	U		10	ug/L	02/20/05	dmd
	Vinyl chloride	10	U		10	ug/L	02/20/05	dmd
	Bromomethane	10	U		10	ug/L	02/20/05	dmd
	Chloroethane	10	U		10	ug/L	02/20/05	dmd
	Trichlorofluoromethane	10	U		10	ug/L	02/20/05	dmd
	1,1-Dichloroethene	10	U		10	ug/L	02/20/05	dmd
	Methylene chloride	10	U		10	ug/L	02/20/05	dmd
	trans-1,2-Dichloroethene	10	U		10	ug/L	02/20/05	dmd
	1,1-Dichloroethane	10	U		10	ug/L	02/20/05	dmd
	2,2-Dichloropropane	10	U		10	ug/L	02/20/05	dmd
	cis-1,2-Dichloroethene	130		D	10	ug/L	02/20/05	dmd
	Bromochloromethane	10	U		10	ug/L	02/20/05	dmd
	Chloroform	10	U		10	ug/L	02/20/05	dmd
	1,1,1-Trichloroethane	10	U		10	ug/L	02/20/05	dmd
	1,1-Dichloropropene	10	U		10	ug/L	02/20/05	dmd
	Carbon tetrachloride	10	U		10	ug/L	02/20/05	dmd
	Benzene	10	U		10	ug/L	02/20/05	dmd
	1,2-Dichloroethane	10	U		10	ug/L	02/20/05	dmd
	Trichloroethene	220		BD	10	ug/L	02/20/05	dmd
	1,2-Dichloropropane	10	U		10	ug/L	02/20/05	dmd
	Dibromomethane	10	U		10	ug/L	02/20/05	dmd
	Bromodichloromethane	10	U		10	ug/L	02/20/05	dmd
	cis-1,3-Dichloropropene	10	U		10	ug/L	02/20/05	dmd
	Toluene	10	U		10	ug/L	02/20/05	dmd
	trans-1,3-Dichloropropene	10	U		10	ug/L	02/20/05	dmd
	1,1,2-Trichloroethane	10	U		10	ug/L	02/20/05	dmd
	Tetrachloroethene	10	U		10	ug/L	02/20/05	dmd
	1,3-Dichloropropane	10	U		10	ug/L	02/20/05	dmd
	Dibromochloromethane	10	U		10	ug/L	02/20/05	dmd
	1,2-Dibromoethane (EDB)	10	U		10	ug/L	02/20/05	dmd
	Chlorobenzene	10	U		10	ug/L	02/20/05	dmd
	1,1,1,2-Tetrachloroethane	10	U		10	ug/L	02/20/05	dmd
	Ethylbenzene	10	U		10	ug/L	02/20/05	dmd
	m&p-Xylenes	10	U		10	ug/L	02/20/05	dmd
	o-Xylene	10	U		10	ug/L	02/20/05	dmd
	Styrene	10	U		10	ug/L	02/20/05	dmd
	Bromoform	10	U		10	ug/L	02/20/05	dmd
	Isopropylbenzene	10	U		10	ug/L	02/20/05	dmd
	Bromobenzene	10	U		10	ug/L	02/20/05	dmd
	1,1,2,2-Tetrachloroethane	10	U		10	ug/L	02/20/05	dmd
	1,2,3-Trichloropropane	10	U		10	ug/L	02/20/05	dmd
	n-Propylbenzene	10	U		10	ug/L	02/20/05	dmd
	2-Chlorotoluene	10	U		10	ug/L	02/20/05	dmd
	1,3,5-Trimethylbenzene	10	U		10	ug/L	02/20/05	dmd
	4-Chlorotoluene	10	U		10	ug/L	02/20/05	dmd
	tert-Butylbenzene	10	U		10	ug/L	02/20/05	dmd
	1,2,4-Trimethylbenzene	10	U		10	ug/L	02/20/05	dmd

* In Description = Dry Wgt.

SEVERN TRENT STL

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

LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-10
Date Sampled.....: 02/09/2005
Time Sampled.....: 14:30
Sample Matrix.....: Water

Laboratory Sample ID: 245184-8
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	10	U		10	ug/L	02/20/05	dmd
	p-Isopropyltoluene	10	U		10	ug/L	02/20/05	dmd
	1,4-Dichlorobenzene	10	U		10	ug/L	02/20/05	dmd
	n-Butylbenzene	10	U		10	ug/L	02/20/05	dmd
	1,2-Dichlorobenzene	10	U		10	ug/L	02/20/05	dmd
	1,2-Dibromo-3-chloropropane	10	U		10	ug/L	02/20/05	dmd
	Hexachlorobutadiene	10	U		10	ug/L	02/20/05	dmd
	Naphthalene	10	U		10	ug/L	02/20/05	dmd

000125

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-8
Date Sampled.....: 02/09/2005
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 245184-9
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroform	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Benzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichloroethene	3.7			1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Toluene	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/18/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	1.0	U		1.0	ug/L	02/18/05	dmd
	o-Xylene	1.0	U		1.0	ug/L	02/18/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

000029

SEVERN TRENT STL

NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049 PA 68-378 M-NY049

STL Newburgh
315 Fullerton Avenue
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LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-8
Date Sampled.....: 02/09/2005
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 245184-9
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-009

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V021815.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

000121

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

LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-2
Date Sampled.....: 02/09/2005
Time Sampled.....: 15:10
Sample Matrix.....: Water

Laboratory Sample ID: 245184-10
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Vinyl chloride	93			1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	53			1.0	ug/L	02/18/05	dmd
	Methylene chloride	0.63	J	U	1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	6.1			1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	180		E	1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	950		E	1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroform	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Benzene	1.3			1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichloroethene	870		E	1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Toluene	1.0	U		1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	1.6			1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/18/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	1.0	U		1.0	ug/L	02/18/05	dmd
	o-Xylene	1.0	U		1.0	ug/L	02/18/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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

LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-2
Date Sampled.....: 02/09/2005
Time Sampled.....: 15:10
Sample Matrix.....: Water

Laboratory Sample ID: 245184-10
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-2

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-010

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V021816.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

000139

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

LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-2
Date Sampled.....: 02/09/2005
Time Sampled.....: 15:10
Sample Matrix.....: Water

Laboratory Sample ID: 245184-10
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	50	U		50	ug/L	02/20/05	dmd
	Chloromethane	50	U		50	ug/L	02/20/05	dmd
	Vinyl chloride	110		D	50	ug/L	02/20/05	dmd
	Bromomethane	50	U		50	ug/L	02/20/05	dmd
	Chloroethane	50	U		50	ug/L	02/20/05	dmd
	Trichlorofluoromethane	50	U		50	ug/L	02/20/05	dmd
	1,1-Dichloroethene	61		D	50	ug/L	02/20/05	dmd
	Methylene chloride	50	U		50	ug/L	02/20/05	dmd
	trans-1,2-Dichloroethene	50	U		50	ug/L	02/20/05	dmd
	1,1-Dichloroethane	200		D	50	ug/L	02/20/05	dmd
	2,2-Dichloropropane	50	U		50	ug/L	02/20/05	dmd
	cis-1,2-Dichloroethene	1700		D	50	ug/L	02/20/05	dmd
	Bromochloromethane	50	U		50	ug/L	02/20/05	dmd
	Chloroform	50	U		50	ug/L	02/20/05	dmd
	1,1,1-Trichloroethane	50	U		50	ug/L	02/20/05	dmd
	1,1-Dichloropropene	50	U		50	ug/L	02/20/05	dmd
	Carbon tetrachloride	50	U		50	ug/L	02/20/05	dmd
	Benzene	50	U		50	ug/L	02/20/05	dmd
	1,2-Dichloroethane	50	U		50	ug/L	02/20/05	dmd
	Trichloroethene	1500		BD	50	ug/L	02/20/05	dmd
	1,2-Dichloropropane	50	U		50	ug/L	02/20/05	dmd
	Dibromomethane	50	U		50	ug/L	02/20/05	dmd
	Bromodichloromethane	50	U		50	ug/L	02/20/05	dmd
	cis-1,3-Dichloropropene	50	U		50	ug/L	02/20/05	dmd
	Toluene	50	U		50	ug/L	02/20/05	dmd
	trans-1,3-Dichloropropene	50	U		50	ug/L	02/20/05	dmd
	1,1,2-Trichloroethane	50	U		50	ug/L	02/20/05	dmd
	Tetrachloroethene	50	U		50	ug/L	02/20/05	dmd
	1,3-Dichloropropane	50	U		50	ug/L	02/20/05	dmd
	Dibromochloromethane	50	U		50	ug/L	02/20/05	dmd
	1,2-Dibromoethane (EDB)	50	U		50	ug/L	02/20/05	dmd
	Chlorobenzene	50	U		50	ug/L	02/20/05	dmd
	1,1,1,2-Tetrachloroethane	50	U		50	ug/L	02/20/05	dmd
	Ethylbenzene	50	U		50	ug/L	02/20/05	dmd
	m&p-Xylenes	50	U		50	ug/L	02/20/05	dmd
	o-Xylene	50	U		50	ug/L	02/20/05	dmd
	Styrene	50	U		50	ug/L	02/20/05	dmd
	Bromoform	50	U		50	ug/L	02/20/05	dmd
	Isopropylbenzene	50	U		50	ug/L	02/20/05	dmd
	Bromobenzene	50	U		50	ug/L	02/20/05	dmd
	1,1,2,2-Tetrachloroethane	50	U		50	ug/L	02/20/05	dmd
	1,2,3-Trichloropropane	50	U		50	ug/L	02/20/05	dmd
	n-Propylbenzene	50	U		50	ug/L	02/20/05	dmd
	2-Chlorotoluene	50	U		50	ug/L	02/20/05	dmd
	1,3,5-Trimethylbenzene	50	U		50	ug/L	02/20/05	dmd
	4-Chlorotoluene	50	U		50	ug/L	02/20/05	dmd
	tert-Butylbenzene	50	U		50	ug/L	02/20/05	dmd
	1,2,4-Trimethylbenzene	50	U		50	ug/L	02/20/05	dmd

* In Description = Dry Wgt.

000050

SEVERN TRENT STL

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

LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-2
Date Sampled.....: 02/09/2005
Time Sampled.....: 15:10
Sample Matrix.....: Water

Laboratory Sample ID: 245184-10
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	50	U		50	ug/L	02/20/05	dmd
	p-Isopropyltoluene	50	U		50	ug/L	02/20/05	dmd
	1,4-Dichlorobenzene	50	U		50	ug/L	02/20/05	dmd
	n-Butylbenzene	50	U		50	ug/L	02/20/05	dmd
	1,2-Dichlorobenzene	50	U		50	ug/L	02/20/05	dmd
	1,2-Dibromo-3-chloropropane	50	U		50	ug/L	02/20/05	dmd
	Hexachlorobutadiene	50	U		50	ug/L	02/20/05	dmd
	Naphthalene	50	U		50	ug/L	02/20/05	dmd

000454

* In Description = Dry Wgt.

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

LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-7
Date Sampled.....: 02/09/2005
Time Sampled.....: 15:35
Sample Matrix.....: Water

Laboratory Sample ID: 245184-11
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	* PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Vinyl chloride	54			1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.6			1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	5500		E	1.0	ug/L	02/18/05	dmd
	Methylene chloride	140		E	1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	31			1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	1500		E	1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	3100		E	1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Chloroform	46			1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	4900		E	1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/18/05	dmd
	Benzene	7.2			1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	420		E	1.0	ug/L	02/18/05	dmd
	Trichloroethene	5700		E	1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	13			1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	Toluene	230		E	1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	160		E	1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	350		E	1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/18/05	dmd
	Chlorobenzene	0.68	J		1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	15			1.0	ug/L	02/18/05	dmd
	Ethylbenzene	11			1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	36			1.0	ug/L	02/18/05	dmd
	o-Xylene	14			1.0	ug/L	02/18/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/18/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	0.55	J		1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	3.9			1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	0.73	J		1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	1.2			1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	3.2			1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

000657

SEVERN TRENT STL

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

LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-7
Date Sampled.....: 02/09/2005
Time Sampled.....: 15:35
Sample Matrix.....: Water

Laboratory Sample ID: 245184-11
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-7

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-011

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V021817.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 6

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	FC-113	5.50	200	
2.	Acetone	5.59	310	
3.	2-Butanone	9.64	2600	
4. 000123-91-1	1,4-Dioxane	13.60	160	JN
5.	4-Methyl-2-Pentanone	15.03	300	
6.	Unknown CnH2n+2	23.94	27	J

000059

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

LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-7
Date Sampled.....: 02/09/2005
Time Sampled.....: 15:35
Sample Matrix.....: Water

Laboratory Sample ID: 245184-11
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	5000	U		5000	ug/L	02/21/05	dmd
	Chloromethane	5000	U		5000	ug/L	02/21/05	dmd
	Vinyl chloride	5000	U		5000	ug/L	02/21/05	dmd
	Bromomethane	5000	U		5000	ug/L	02/21/05	dmd
	Chloroethane	5000	U		5000	ug/L	02/21/05	dmd
	Trichlorofluoromethane	5000	U		5000	ug/L	02/21/05	dmd
	1,1-Dichloroethene	8200		D	5000	ug/L	02/21/05	dmd
	Methylene chloride	5000	U		5000	ug/L	02/21/05	dmd
	trans-1,2-Dichloroethene	5000	U		5000	ug/L	02/21/05	dmd
	1,1-Dichloroethane	5000	U		5000	ug/L	02/21/05	dmd
	2,2-Dichloropropane	5000	U		5000	ug/L	02/21/05	dmd
	cis-1,2-Dichloroethene	2600	J	JD	5000	ug/L	02/21/05	dmd
	Bromochloromethane	5000	U		5000	ug/L	02/21/05	dmd
	Chloroform	5000	U		5000	ug/L	02/21/05	dmd
	1,1,1-Trichloroethane	23000		D	5000	ug/L	02/21/05	dmd
	1,1-Dichloropropene	5000	U		5000	ug/L	02/21/05	dmd
	Carbon tetrachloride	5000	U		5000	ug/L	02/21/05	dmd
	Benzene	5000	U		5000	ug/L	02/21/05	dmd
	1,2-Dichloroethane	5000	U		5000	ug/L	02/21/05	dmd
	Trichloroethene	150000		D	5000	ug/L	02/21/05	dmd
	1,2-Dichloropropane	5000	U		5000	ug/L	02/21/05	dmd
	Dibromomethane	5000	U		5000	ug/L	02/21/05	dmd
	Bromodichloromethane	5000	U		5000	ug/L	02/21/05	dmd
	cis-1,3-Dichloropropene	5000	U		5000	ug/L	02/21/05	dmd
	Toluene	5000	U		5000	ug/L	02/21/05	dmd
	trans-1,3-Dichloropropene	5000	U		5000	ug/L	02/21/05	dmd
	1,1,2-Trichloroethane	5000	U		5000	ug/L	02/21/05	dmd
	Tetrachloroethene	5000	U		5000	ug/L	02/21/05	dmd
	1,3-Dichloropropane	5000	U		5000	ug/L	02/21/05	dmd
	Dibromochloromethane	5000	U		5000	ug/L	02/21/05	dmd
	1,2-Dibromoethane (EDB)	5000	U		5000	ug/L	02/21/05	dmd
	Chlorobenzene	5000	U		5000	ug/L	02/21/05	dmd
	1,1,1,2-Tetrachloroethane	5000	U		5000	ug/L	02/21/05	dmd
	Ethylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	m&p-Xylenes	5000	U		5000	ug/L	02/21/05	dmd
	o-Xylene	5000	U		5000	ug/L	02/21/05	dmd
	Styrene	5000	U		5000	ug/L	02/21/05	dmd
	Bromoform	5000	U		5000	ug/L	02/21/05	dmd
	Isopropylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	Bromobenzene	5000	U		5000	ug/L	02/21/05	dmd
	1,1,2,2-Tetrachloroethane	5000	U		5000	ug/L	02/21/05	dmd
	1,2,3-Trichloropropane	5000	U		5000	ug/L	02/21/05	dmd
	n-Propylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	2-Chlorotoluene	5000	U		5000	ug/L	02/21/05	dmd
	1,3,5-Trimethylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	4-Chlorotoluene	5000	U		5000	ug/L	02/21/05	dmd
	tert-Butylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	1,2,4-Trimethylbenzene	5000	U		5000	ug/L	02/21/05	dmd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: MW-7
Date Sampled.....: 02/09/2005
Time Sampled.....: 15:35
Sample Matrix.....: Water

Laboratory Sample ID: 245184-11
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	5000	U		5000	ug/L	02/21/05	dmd
	p-Isopropyltoluene	5000	U		5000	ug/L	02/21/05	dmd
	1,4-Dichlorobenzene	5000	U		5000	ug/L	02/21/05	dmd
	n-Butylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	1,2-Dichlorobenzene	5000	U		5000	ug/L	02/21/05	dmd
	1,2-Dibromo-3-chloropropane	5000	U		5000	ug/L	02/21/05	dmd
	Hexachlorobutadiene	5000	U		5000	ug/L	02/21/05	dmd
	Naphthalene	5000	U		5000	ug/L	02/21/05	dmd

* In Description = Dry Wgt.

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
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LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: Duplicate
Date Sampled.....: 02/09/2005
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 245184-12
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0			1.0	ug/L	02/18/05	dmd
	Chloromethane	1.0			1.0	ug/L	02/18/05	dmd
	Vinyl chloride	55			1.0	ug/L	02/18/05	dmd
	Bromomethane	1.0			1.0	ug/L	02/18/05	dmd
	Chloroethane	1.0			1.0	ug/L	02/18/05	dmd
	Trichlorofluoromethane	1.0			1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethene	5900		E	1.0	ug/L	02/18/05	dmd
	Methylene chloride	150		E	1.0	ug/L	02/18/05	dmd
	trans-1,2-Dichloroethene	35			1.0	ug/L	02/18/05	dmd
	1,1-Dichloroethane	1800		E	1.0	ug/L	02/18/05	dmd
	2,2-Dichloropropane	1.0			1.0	ug/L	02/18/05	dmd
	cis-1,2-Dichloroethene	3500		E	1.0	ug/L	02/18/05	dmd
	Bromochloromethane	1.0			1.0	ug/L	02/18/05	dmd
	Chloroform	47			1.0	ug/L	02/18/05	dmd
	1,1,1-Trichloroethane	5900		E	1.0	ug/L	02/18/05	dmd
	1,1-Dichloropropene	1.0			1.0	ug/L	02/18/05	dmd
	Carbon tetrachloride	1.0			1.0	ug/L	02/18/05	dmd
	Benzene	7.4			1.0	ug/L	02/18/05	dmd
	1,2-Dichloroethane	450		E	1.0	ug/L	02/18/05	dmd
	Trichloroethene	6400		E	1.0	ug/L	02/18/05	dmd
	1,2-Dichloropropane	1.0			1.0	ug/L	02/18/05	dmd
	Dibromomethane	1.0			1.0	ug/L	02/18/05	dmd
	Bromodichloromethane	1.0			1.0	ug/L	02/18/05	dmd
	cis-1,3-Dichloropropene	1.0			1.0	ug/L	02/18/05	dmd
	Toluene	230		E	1.0	ug/L	02/18/05	dmd
	trans-1,3-Dichloropropene	1.0			1.0	ug/L	02/18/05	dmd
	1,1,2-Trichloroethane	170		E	1.0	ug/L	02/18/05	dmd
	Tetrachloroethene	350		E	1.0	ug/L	02/18/05	dmd
	1,3-Dichloropropane	1.0			1.0	ug/L	02/18/05	dmd
	Dibromochloromethane	1.0			1.0	ug/L	02/18/05	dmd
	1,2-Dibromoethane (EDB)	1.0			1.0	ug/L	02/18/05	dmd
	Chlorobenzene	0.64		J	1.0	ug/L	02/18/05	dmd
	1,1,1,2-Tetrachloroethane	14			1.0	ug/L	02/18/05	dmd
	Ethylbenzene	11			1.0	ug/L	02/18/05	dmd
	m&p-Xylenes	33			1.0	ug/L	02/18/05	dmd
	o-Xylene	13			1.0	ug/L	02/18/05	dmd
	Styrene	1.0			1.0	ug/L	02/18/05	dmd
	Bromoform	1.0			1.0	ug/L	02/18/05	dmd
	Isopropylbenzene	0.54		J	1.0	ug/L	02/18/05	dmd
	Bromobenzene	1.0			1.0	ug/L	02/18/05	dmd
	1,1,2,2-Tetrachloroethane	3.8			1.0	ug/L	02/18/05	dmd
	1,2,3-Trichloropropane	1.0			1.0	ug/L	02/18/05	dmd
	n-Propylbenzene	0.70			1.0	ug/L	02/18/05	dmd
	2-Chlorotoluene	1.0			1.0	ug/L	02/18/05	dmd
	1,3,5-Trimethylbenzene	1.3			1.0	ug/L	02/18/05	dmd
	4-Chlorotoluene	1.0			1.0	ug/L	02/18/05	dmd
	tert-Butylbenzene	1.0			1.0	ug/L	02/18/05	dmd
	1,2,4-Trimethylbenzene	3.3			1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

SEVERN TRENT STL
NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049 PA 68-378 M-NY049
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Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: Duplicate
Date Sampled.....: 02/09/2005
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 245184-12
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/18/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/18/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/18/05	dmd
	Naphthalene	0.99	J	J	1.0	ug/L	02/18/05	dmd

* In Description = Dry Wgt.

00691

SEVERN TRENT STL

NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049 PA 68-378 M-NY049

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPLICATE

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-012

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V021818.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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/L

Number TICs found: 3

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	FC-113	5.50	220	
2.	Acetone	5.59	300	
3.	2-Butanone	9.64	2800	

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LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: Duplicate
Date Sampled.....: 02/09/2005
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 245184-12
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	5000	U		5000	ug/L	02/21/05	dmd
	Chloromethane	5000	U		5000	ug/L	02/21/05	dmd
	Vinyl chloride	5000	U		5000	ug/L	02/21/05	dmd
	Bromomethane	5000	U		5000	ug/L	02/21/05	dmd
	Chloroethane	5000	U		5000	ug/L	02/21/05	dmd
	Trichlorofluoromethane	5000	U		5000	ug/L	02/21/05	dmd
	1,1-Dichloroethene	6600		D	5000	ug/L	02/21/05	dmd
	Methylene chloride	5000	U		5000	ug/L	02/21/05	dmd
	trans-1,2-Dichloroethene	5000	U		5000	ug/L	02/21/05	dmd
	1,1-Dichloroethane	5000	U		5000	ug/L	02/21/05	dmd
	2,2-Dichloropropane	5000	U		5000	ug/L	02/21/05	dmd
	cis-1,2-Dichloroethene	5000	U		5000	ug/L	02/21/05	dmd
	Bromochloromethane	5000	U		5000	ug/L	02/21/05	dmd
	Chloroform	5000	U		5000	ug/L	02/21/05	dmd
	1,1,1-Trichloroethane	18000		D	5000	ug/L	02/21/05	dmd
	1,1-Dichloropropene	5000	U		5000	ug/L	02/21/05	dmd
	Carbon tetrachloride	5000	U		5000	ug/L	02/21/05	dmd
	Benzene	5000	U		5000	ug/L	02/21/05	dmd
	1,2-Dichloroethane	5000	U		5000	ug/L	02/21/05	dmd
	Trichloroethene	120000		D	5000	ug/L	02/21/05	dmd
	1,2-Dichloropropane	5000	U		5000	ug/L	02/21/05	dmd
	Dibromomethane	5000	U		5000	ug/L	02/21/05	dmd
	Bromodichloromethane	5000	U		5000	ug/L	02/21/05	dmd
	cis-1,3-Dichloropropene	5000	U		5000	ug/L	02/21/05	dmd
	Toluene	5000	U		5000	ug/L	02/21/05	dmd
	trans-1,3-Dichloropropene	5000	U		5000	ug/L	02/21/05	dmd
	1,1,2-Trichloroethane	5000	U		5000	ug/L	02/21/05	dmd
	Tetrachloroethene	5000	U		5000	ug/L	02/21/05	dmd
	1,3-Dichloropropane	5000	U		5000	ug/L	02/21/05	dmd
	Dibromochloromethane	5000	U		5000	ug/L	02/21/05	dmd
	1,2-Dibromoethane (EDB)	5000	U		5000	ug/L	02/21/05	dmd
	Chlorobenzene	5000	U		5000	ug/L	02/21/05	dmd
	1,1,1,2-Tetrachloroethane	5000	U		5000	ug/L	02/21/05	dmd
	Ethylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	m&p-Xylenes	5000	U		5000	ug/L	02/21/05	dmd
	o-Xylene	5000	U		5000	ug/L	02/21/05	dmd
	Styrene	5000	U		5000	ug/L	02/21/05	dmd
	Bromoform	5000	U		5000	ug/L	02/21/05	dmd
	Isopropylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	Bromobenzene	5000	U		5000	ug/L	02/21/05	dmd
	1,1,2,2-Tetrachloroethane	5000	U		5000	ug/L	02/21/05	dmd
	1,2,3-Trichloropropane	5000	U		5000	ug/L	02/21/05	dmd
	n-Propylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	2-Chlorotoluene	5000	U		5000	ug/L	02/21/05	dmd
	1,3,5-Trimethylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	4-Chlorotoluene	5000	U		5000	ug/L	02/21/05	dmd
	tert-Butylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	1,2,4-Trimethylbenzene	5000	U		5000	ug/L	02/21/05	dmd

* In Description = Dry Wgt.

000245

SEVERN TRENT STL
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

LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: Duplicate
Date Sampled.....: 02/09/2005
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 245184-12
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	5000	U		5000	ug/L	02/21/05	dmd
	p-Isopropyltoluene	5000	U		5000	ug/L	02/21/05	dmd
	1,4-Dichlorobenzene	5000	U		5000	ug/L	02/21/05	dmd
	n-Butylbenzene	5000	U		5000	ug/L	02/21/05	dmd
	1,2-Dichlorobenzene	5000	U		5000	ug/L	02/21/05	dmd
	1,2-Dibromo-3-chloropropane	5000	U		5000	ug/L	02/21/05	dmd
	Hexachlorobutadiene	5000	U		5000	ug/L	02/21/05	dmd
	Naphthalene	5000	U		5000	ug/L	02/21/05	dmd

G10025

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 245184

Date: 02/24/2005

CUSTOMER: Delta Environmental | PROJECT: 0209003P | ATTN: Matt Bell

Customer Sample ID: Trip Blank
Date Sampled.....: 02/09/2005
Time Sampled.....: 00:00
Sample Matrix.....:

Laboratory Sample ID: 245184-13
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Dichlorodifluoromethane	1.0	U		1.0	ug/L	02/20/05	dmd
	Chloromethane	1.0	U		1.0	ug/L	02/20/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	02/20/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	02/20/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	02/20/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	02/20/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	02/20/05	dmd
	Methylene chloride	0.92	J	J	1.0	ug/L	02/20/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/20/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	02/20/05	dmd
	2,2-Dichloropropane	1.0	U		1.0	ug/L	02/20/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	02/20/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	02/20/05	dmd
	Chloroform	1.0	U		1.0	ug/L	02/20/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	02/20/05	dmd
	1,1-Dichloropropene	1.0	U		1.0	ug/L	02/20/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	02/20/05	dmd
	Benzene	1.0	U		1.0	ug/L	02/20/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	02/20/05	dmd
	Trichloroethene	0.78	J	J B	1.0	ug/L	02/20/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	02/20/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	02/20/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	02/20/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/20/05	dmd
	Toluene	1.0	U		1.0	ug/L	02/20/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	02/20/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	02/20/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	02/20/05	dmd
	1,3-Dichloropropane	1.0	U		1.0	ug/L	02/20/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	02/20/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	02/20/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	02/20/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/20/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	02/20/05	dmd
	m&p-Xylenes	1.0	U		1.0	ug/L	02/20/05	dmd
	o-Xylene	1.0	U		1.0	ug/L	02/20/05	dmd
	Styrene	1.0	U		1.0	ug/L	02/20/05	dmd
	Bromoform	1.0	U		1.0	ug/L	02/20/05	dmd
	Isopropylbenzene	1.0	U		1.0	ug/L	02/20/05	dmd
	Bromobenzene	1.0	U		1.0	ug/L	02/20/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	02/20/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	02/20/05	dmd
	n-Propylbenzene	1.0	U		1.0	ug/L	02/20/05	dmd
	2-Chlorotoluene	1.0	U		1.0	ug/L	02/20/05	dmd
	1,3,5-Trimethylbenzene	1.0	U		1.0	ug/L	02/20/05	dmd
	4-Chlorotoluene	1.0	U		1.0	ug/L	02/20/05	dmd
	tert-Butylbenzene	1.0	U		1.0	ug/L	02/20/05	dmd
	1,2,4-Trimethylbenzene	1.0	U		1.0	ug/L	02/20/05	dmd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 245184 Date: 02/24/2005

CUSTOMER: Delta Environmental PROJECT: 0209003P ATTN: Matt Bell

Customer Sample ID: Trip Blank
Date Sampled.....: 02/09/2005
Time Sampled.....: 00:00
Sample Matrix.....:

Laboratory Sample ID: 245184-13
Date Received.....: 02/10/2005
Time Received.....: 09:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	1,3-Dichlorobenzene	1.0	U		1.0	ug/L	02/20/05	dmd
	p-Isopropyltoluene	1.0	U		1.0	ug/L	02/20/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	02/20/05	dmd
	n-Butylbenzene	1.0	U		1.0	ug/L	02/20/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	02/20/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	02/20/05	dmd
	Hexachlorobutadiene	1.0	U		1.0	ug/L	02/20/05	dmd
	Naphthalene	1.0	U		1.0	ug/L	02/20/05	dmd

* In Description = Dry Wgt.

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.

TRIP BLANK

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 245184

Matrix: (soil/water) WATER Lab Sample ID: 245184-013

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V022005.D

Level: (low/med) LOW Date Received: 2/10/2005

% Moisture: not dec. Date Analyzed: 2/20/2005

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/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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Newburgh, NY 12550
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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-9	15B0474-01	Water	02/09/05 14:10	02/10/05 10:55
MW-10	15B0474-02	Water	02/09/05 14:30	02/10/05 10:55
MW-8	15B0474-03	Water	02/09/05 14:50	02/10/05 10:55
MW-2	15B0474-04	Water	02/09/05 15:10	02/10/05 10:55
MW-7	15B0474-05	Water	02/09/05 15:35	02/10/05 10:55

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

MW-9

15B0474-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Keystone Laboratories, Inc. - Newton									
Determination of Conventional Chemistry Parameters									
Alkalinity, as CaCo3	**214**	10	mg/l	1	1B51114	02/11/05	02/11/05	SM 2320B	
Nitrogen, Ammonia	ND	0.30	"	"	1B51520	02/16/05	02/16/05	SM 4500-NH3 B,C	
Nitrogen, Nitrate+Nitrite	**0.7**	0.2	"	"	1B51401	02/14/05	02/14/05	EPA 353.2	
Sulfide, total	ND	0.10	"	"	1B51026	02/10/05	02/10/05	EPA 376.2	
Nitrogen, Total Kjeldahl	**0.63**	0.60	"	"	1B51519	02/16/05	02/16/05	SM 4500-N ORG	
Total Organic Carbon	**2.4**	0.2	"	"	1B52447	02/24/05	02/24/05	EPA 9060	
Determination of Inorganic Anions									
Chloride	**2.3**	1.0	mg/l	1	1B51510	02/14/05	02/14/05	EPA 9056	
Sulfate	**12.0**	1.0	"	"	"	"	"	"	
Determination of Dissolved Metals									
Iron, dissolved	ND	0.030	mg/l	1	1B51615	02/16/05	02/16/05	EPA 200.7	
Manganese, dissolved	**0.214**	0.005	"	"	"	"	"	"	
Determination of Total Metals									
Iron, total	**13.0**	0.030	mg/l	1	1B51101	02/11/05	02/16/05	EPA 200.7	
Manganese, total	**0.449**	0.005	"	"	"	"	"	"	
Phosphorus, total	ND	1.0	"	"	"	"	"	"	

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

MW-10

15B0474-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Keystone Laboratories, Inc. - Newton									
Determination of Conventional Chemistry Parameters									
Alkalinity, as CaCo3	**169**	10	mg/l	1	1B51114	02/11/05	02/11/05	SM 2320B	
Nitrogen, Ammonia	ND	0.30	"	"	1B51520	02/16/05	02/16/05	SM 4500-NH3 B,C	
Nitrogen, Nitrate+Nitrite	**6.7**	0.2	"	"	1B51401	02/14/05	02/14/05	EPA 353.2	
Sulfide, total	ND	0.10	"	"	1B51026	02/10/05	02/10/05	EPA 376.2	
Nitrogen, Total Kjeldahl	ND	0.60	"	"	1B51519	02/16/05	02/16/05	SM 4500-N ORG	
Total Organic Carbon	**2.4**	0.2	"	"	1B52447	02/24/05	02/24/05	EPA 9060	
etermination of Inorganic Anions									
Chloride	**8.1**	1.0	mg/l	1	1B51510	02/14/05	02/14/05	EPA 9056	
Sulfate	**17.2**	1.0	"	"	"	"	"	"	
Determination of Dissolved Metals									
Iron, dissolved	ND	0.030	mg/l	1	1B51615	02/16/05	02/16/05	EPA 200.7	
Manganese, dissolved	**0.005**	0.005	"	"	"	"	"	"	
Determination of Total Metals									
Iron, total	**36.6**	0.030	mg/l	1	1B51101	02/11/05	02/16/05	EPA 200.7	
Manganese, total	**1.26**	0.005	"	"	"	"	"	"	
Phosphorus, total	**1.1**	1.0	"	"	"	"	"	"	

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9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

MW-8

15B0474-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Keystone Laboratories, Inc. - Newton									
Determination of Conventional Chemistry Parameters									
Alkalinity, as CaCo3	**122**	10	mg/l	1	1B51114	02/11/05	02/11/05	SM 2320B	
Nitrogen, Ammonia	ND	0.30	"	"	1B51520	02/16/05	02/16/05	SM 4500-NH3 B,C	
Nitrogen, Nitrate+Nitrite	**1.0**	0.2	"	"	1B51401	02/14/05	02/14/05	EPA 353.2	
Sulfide, total	ND	0.10	"	"	1B51026	02/10/05	02/10/05	EPA 376.2	
Nitrogen, Total Kjeldahl	**0.74**	0.60	"	"	1B51519	02/16/05	02/16/05	SM 4500-N ORG	
Total Organic Carbon	**2.1**	0.2	"	"	1B52447	02/24/05	02/24/05	EPA 9060	
Determination of Inorganic Anions									
Chloride	**150**	10.0	mg/l	10	1B52216	02/21/05	02/21/05	EPA 9056	
Sulfate	**33.8**	10.0	"	"	"	"	"	"	
Determination of Dissolved Metals									
Iron, dissolved	**0.065**	0.030	mg/l	1	1B51615	02/16/05	02/16/05	EPA 200.7	
Manganese, dissolved	ND	0.005	"	"	"	"	"	"	
Determination of Total Metals									
Iron, total	**5.56**	0.030	mg/l	1	1B51101	02/11/05	02/16/05	EPA 200.7	
Manganese, total	**0.128**	0.005	"	"	"	"	"	"	
Phosphorus, total	ND	1.0	"	"	"	"	02/16/05	"	

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

MW-2

15B0474-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Keystone Laboratories, Inc. - Newton									
Determination of Conventional Chemistry Parameters									
Alkalinity, as CaCo3	**259**	10	mg/l	1	1B51114	02/11/05	02/11/05	SM 2320B	
Nitrogen, Ammonia	ND	0.30	"	"	1B51520	02/16/05	02/16/05	SM 4500-NH3 B,C	
Nitrogen, Nitrate+Nitrite	ND	0.2	"	"	1B51401	02/14/05	02/14/05	EPA 353.2	
Sulfide, total	ND	0.10	"	"	1B51026	02/10/05	02/10/05	EPA 376.2	
Nitrogen, Total Kjeldahl	**1.15**	0.60	"	"	1B51519	02/16/05	02/16/05	SM 4500-N ORG	
Total Organic Carbon	**28.7**	2.0	"	10	1B52447	02/24/05	02/24/05	EPA 9060	
etermination of Inorganic Anions									
Chloride	**5.8**	1.0	mg/l	1	1B51510	02/14/05	02/14/05	EPA 9056	
Sulfate	**5.3**	1.0	"	"	"	"	"	"	
Determination of Dissolved Metals									
Iron, dissolved	ND	0.030	mg/l	1	1B51615	02/16/05	02/16/05	EPA 200.7	
Manganese, dissolved	**1.31**	0.005	"	"	"	"	"	"	
Determination of Total Metals									
Iron, total	**49.1**	0.030	mg/l	1	1B51101	02/11/05	02/16/05	EPA 200.7	
Manganese, total	**2.69**	0.005	"	"	"	"	"	"	
Phosphorus, total	ND	1.0	"	"	"	"	02/16/05	"	

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

MW-7

15B0474-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Keystone Laboratories, Inc. - Newton									
Determination of Conventional Chemistry Parameters									
Alkalinity, as CaCo3	**326**	10	mg/l	1	1B51114	02/11/05	02/11/05	SM 2320B	
Nitrogen, Ammonia	ND	0.30	"	"	1B51520	02/16/05	02/16/05	SM 4500-NH3 B,C	
Nitrogen, Nitrate+Nitrite	ND	0.2	"	"	1B51401	02/14/05	02/14/05	EPA 353.2	
Sulfide, total	ND	0.10	"	"	1B51026	02/10/05	02/10/05	EPA 376.2	
Nitrogen, Total Kjeldahl	**1.23**	0.60	"	"	1B51519	02/16/05	02/16/05	SM 4500-N ORG	
Total Organic Carbon	**8.4**	0.2	"	"	1B52447	02/24/05	02/24/05	EPA 9060	
Determination of Inorganic Anions									
Chloride	**219**	10.0	mg/l	10	1B52216	02/21/05	02/21/05	EPA 9056	
Sulfate	**51.8**	10.0	"	"	"	"	"	"	
Determination of Dissolved Metals									
Iron, dissolved	ND	0.030	mg/l	1	1B51615	02/16/05	02/16/05	EPA 200.7	
Manganese, dissolved	**10.4**	0.005	"	"	"	"	"	"	
Determination of Total Metals									
Iron, total	**7.08**	0.030	mg/l	1	1B51101	02/11/05	02/16/05	EPA 200.7	
Manganese, total	**9.73**	0.005	"	"	"	"	"	"	
Phosphorus, total	ND	1.0	"	"	"	"	02/16/05	"	

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Conventional Chemistry Parameters - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 15B1401 - 1B51401										
Cal Standard (15B1401-CAL1)				Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	0.031		mg/l	0.00						
Cal Standard (15B1401-CAL2)				Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	0.209		mg/l	0.200		104				
Cal Standard (15B1401-CAL3)				Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	1.02		mg/l	1.00		102				
Cal Standard (15B1401-CAL4)				Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	2.47		mg/l	2.50		98.8				
Cal Standard (15B1401-CAL5)				Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	4.90		mg/l	5.00		98.0				
Cal Standard (15B1401-CAL6)				Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	7.07		mg/l	7.00		101				
Cal Standard (15B1401-CAL7)				Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	10.0		mg/l	10.0		100				
Calibration Check (15B1401-CCV1)				Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	2.40		mg/l	2.50		96.0	90-110			
Calibration Check (15B1401-CCV2)				Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	2.46		mg/l	2.50		98.4	90-110			
Batch 15B1509 - 1B51519										
Calibration Blank (15B1509-CCB1)				Prepared & Analyzed: 02/15/05						
Nitrogen, Total Kjeldahl	ND		mg/l							

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Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Conventional Chemistry Parameters - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 15B1509 - 1B51519										
Calibration Check (15B1509-CCV1)				Prepared & Analyzed: 02/15/05						
Nitrogen, Total Kjeldahl	0.813		mg/l	0.800		102	80-120			
Batch 15B1511 - 1B51520										
Calibration Blank (15B1511-CCB1)				Prepared & Analyzed: 02/15/05						
Nitrogen, Ammonia	ND		mg/l							
Calibration Check (15B1511-CCV1)				Prepared & Analyzed: 02/15/05						
Nitrogen, Ammonia	0.406		mg/l	0.400		102	80-120			
Batch 15B2424 - 1B52447										
Initial Cal Check (15B2424-ICV1)				Prepared & Analyzed: 02/24/05						
Total Organic Carbon	5.27		mg/l	5.01		105	80-120			
Initial Cal Check (15B2424-ICV2)				Prepared & Analyzed: 02/24/05						
Total Organic Carbon	4.98		mg/l	5.01		99.4	80-120			
Batch 1B51026 - Wet Chem Preparation										
Blank (1B51026-BLK1)				Prepared & Analyzed: 02/10/05						
Sulfide, total	ND	0.10	mg/l							
LCS (1B51026-BS1)				Prepared & Analyzed: 02/10/05						
Sulfide, total	0.628	0.10	mg/l	0.667		94.2	60-127			

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Conventional Chemistry Parameters - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B51026 - Wet Chem Preparation										
Matrix Spike (1B51026-MS1)		**Source: 15B0461-02**		Prepared & Analyzed: 02/10/05						
Sulfide, total	0.580	0.10	mg/l	0.667	ND	87.0	60-127			
Matrix Spike Dup (1B51026-MSD1)		**Source: 15B0461-02**		Prepared & Analyzed: 02/10/05						
Sulfide, total	0.587	0.10	mg/l	0.667	ND	88.0	60-127	1.20	20	
Batch 1B51114 - Wet Chem Preparation										
Blank (1B51114-BLK1)				Prepared & Analyzed: 02/11/05						
Alkalinity, as CaCo3	ND	10	mg/l							
LCS (1B51114-BS1)				Prepared & Analyzed: 02/11/05						
Alkalinity, as CaCo3	245	10	mg/l	235		104	90-110			
Matrix Spike (1B51114-MS1)		**Source: 15B0505-01**		Prepared & Analyzed: 02/11/05						
Alkalinity, as CaCo3	420	10	mg/l	235	165	109	90-110			
Matrix Spike Dup (1B51114-MSD1)		**Source: 15B0505-01**		Prepared & Analyzed: 02/11/05						
Alkalinity, as CaCo3	410	10	mg/l	235	165	104	90-110	2.41	10	
Batch 1B51401 - Wet Chem Preparation										
Blank (1B51401-BLK1)				Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	ND	0.2	mg/l							
LCS (1B51401-BS1)				Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	1.99	0.2	mg/l	2.00		99.5	77-125			

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Conventional Chemistry Parameters - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B51401 - Wet Chem Preparation										
Matrix Spike (1B51401-MS1)	**Source: 15B0115-01**			Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	5.04	0.2	mg/l	2.00	3.2	92.0	71-130			
Matrix Spike Dup (1B51401-MSD1)	**Source: 15B0115-01**			Prepared & Analyzed: 02/14/05						
Nitrogen, Nitrate+Nitrite	5.14	0.2	mg/l	2.00	3.2	97.0	71-130	1.96	22	
Batch 1B51519 - Wet Chem Preparation										
Blank (1B51519-BLK1)				Prepared & Analyzed: 02/16/05						
Nitrogen, Total Kjeldahl	ND	0.60	mg/l							
LCS (1B51519-BS1)				Prepared & Analyzed: 02/16/05						
Nitrogen, Total Kjeldahl	3.71	0.60	mg/l	4.00		92.8	81-110			
Matrix Spike (1B51519-MS1)	**Source: 15B0474-01**			Prepared & Analyzed: 02/16/05						
Nitrogen, Total Kjeldahl	4.13	0.60	mg/l	4.00	0.63	87.5	70-115			
Matrix Spike Dup (1B51519-MSD1)	**Source: 15B0474-01**			Prepared & Analyzed: 02/16/05						
Nitrogen, Total Kjeldahl	4.38	0.60	mg/l	4.00	0.63	93.8	70-115	5.88	11	
Batch 1B51520 - Wet Chem Preparation										
Blank (1B51520-BLK1)				Prepared & Analyzed: 02/16/05						
Nitrogen, Ammonia	ND	0.30	mg/l							
LCS (1B51520-BS1)				Prepared & Analyzed: 02/16/05						
Nitrogen, Ammonia	0.510	0.30	mg/l	0.500		102	83-140			

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9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Conventional Chemistry Parameters - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B51520 - Wet Chem Preparation										
Matrix Spike (1B51520-MS1)		**Source: 15B0474-01**		Prepared & Analyzed: 02/16/05						
Nitrogen, Ammonia	0.731	0.30	mg/l	0.500	0.24	98.2	60-129			
Matrix Spike Dup (1B51520-MSD1)		**Source: 15B0474-01**		Prepared & Analyzed: 02/16/05						
Nitrogen, Ammonia	0.738	0.30	mg/l	0.500	0.24	99.6	60-129	0.953	16	
Batch 1B52447 - TOC/DOC										
Blank (1B52447-BLK1)				Prepared & Analyzed: 02/24/05						
Total Organic Carbon	ND	0.2	mg/l							
Matrix Spike (1B52447-MS1)		**Source: 15B0542-01**		Prepared & Analyzed: 02/24/05						
Total Organic Carbon	40.50	2.0	mg/l	4.00	36.3	105	69-123			
Matrix Spike Dup (1B52447-MSD1)		**Source: 15B0542-01**		Prepared & Analyzed: 02/24/05						
Total Organic Carbon	40.36	2.0	mg/l	4.00	36.3	102	69-123	0.346	15	

Keystone Laboratories, Inc. - Newton

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Jeffrey King

Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451 600 East 17th Street South Newton, IA 50208 Fax 641-792-7989

Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Inorganic Anions - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 15B1504 - 1B51510										
Calibration Check (15B1504-CCV1)				Prepared & Analyzed: 02/14/05						
Chloride	32.17		mg/l	30.20		107	90-110			
Sulfate	55.99		"	55.00		102	90-110			
Calibration Check (15B1504-CCV2)				Prepared & Analyzed: 02/14/05						
Chloride	31.52		mg/l	30.20		104	90-110			
Sulfate	54.37		"	55.00		98.9	90-110			
Batch 15B2204 - 1B52216										
Calibration Check (15B2204-CCV1)				Prepared & Analyzed: 02/21/05						
hloride	32.44		mg/l	30.20		107	90-110			
ulfate	56.03		"	55.00		102	90-110			
Calibration Check (15B2204-CCV2)				Prepared & Analyzed: 02/21/05						
Chloride	32.95		mg/l	30.20		109	90-110			
Sulfate	57.12		"	55.00		104	90-110			
Batch 1B51510 - General Prep HPLC/IC										
Blank (1B51510-BLK1)				Prepared & Analyzed: 02/14/05						
Sulfate	ND	1.0	mg/l							
Chloride	ND	1.0	"							
LCS (1B51510-BS1)				Prepared & Analyzed: 02/14/05						
Chloride	27.56	1.0	mg/l	31.20		88.3	88-110			
Sulfate	54.62	1.0	"	55.50		98.4	87-114			

Keystone Laboratories, Inc. - Newton

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Inorganic Anions - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B51510 - General Prep HPLC/IC										
Matrix Spike (1B51510-MS1)		**Source: 15B0185-01**		Prepared & Analyzed: 02/14/05						
Sulfate	93.88	1.0	mg/l	55.50	35.6	105	69-132			
Chloride	51.49	1.0	"	31.20	18.7	105	66-131			
Matrix Spike Dup (1B51510-MSD1)		**Source: 15B0185-01**		Prepared & Analyzed: 02/14/05						
Sulfate	96.10	1.0	mg/l	55.50	35.6	109	69-132	2.34	11	
Chloride	52.34	1.0	"	31.20	18.7	108	66-131	1.64	10	
Batch 1B52216 - General Prep HPLC/IC										
Blank (1B52216-BLK1)				Prepared & Analyzed: 02/21/05						
Sulfate	ND	1.0	mg/l							
Chloride	ND	1.0	"							
LCS (1B52216-BS1)				Prepared & Analyzed: 02/21/05						
Sulfate	56.61	1.0	mg/l	55.50		102	87-114			
Chloride	33.08	1.0	"	31.20		106	88-110			
Matrix Spike (1B52216-MS1)		**Source: 15B0744-02**		Prepared & Analyzed: 02/21/05						
Sulfate	122.4	1.0	mg/l	55.50	69.0	96.2	69-132			
Chloride	38.73	1.0	"	31.20	5.7	106	66-131			
Matrix Spike Dup (1B52216-MSD1)		**Source: 15B0744-02**		Prepared & Analyzed: 02/21/05						
Sulfate	122.2	1.0	mg/l	55.50	69.0	95.9	69-132	0.164	11	
Chloride	38.27	1.0	"	31.20	5.7	104	66-131	1.19	10	

Keystone Laboratories, Inc. - Newton

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Dissolved Metals - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 15B1618 - 1B51615										
Calibration Blank (15B1618-CCB1)				Prepared & Analyzed: 02/16/05						
Manganese, dissolved	0.000200		mg/l							
Iron, dissolved	ND		"							
Calibration Blank (15B1618-CCB2)				Prepared & Analyzed: 02/16/05						
Manganese, dissolved	0.000700		mg/l							
Iron, dissolved	ND		"							
Calibration Check (15B1618-CCV1)				Prepared & Analyzed: 02/16/05						
Manganese, dissolved	0.310		mg/l	0.300		103	90-110			
Iron, dissolved	6.16		"	6.00		103	90-110			
Calibration Check (15B1618-CCV2)				Prepared & Analyzed: 02/16/05						
Manganese, dissolved	0.317		mg/l	0.300		106	90-110			
Iron, dissolved	6.21		"	6.00		104	90-110			
Initial Cal Blank (15B1618-ICB1)				Prepared & Analyzed: 02/16/05						
Manganese, dissolved	0.000100		mg/l							
Iron, dissolved	ND		"							
Initial Cal Check (15B1618-ICV1)				Prepared & Analyzed: 02/16/05						
Iron, dissolved	6.36		mg/l	6.00		106	90-110			
Manganese, dissolved	0.295		"	0.300		98.3	90-110			
Secondary Cal Check (15B1618-SCV1)				Prepared & Analyzed: 02/16/05						
Iron, dissolved	0.976		mg/l	1.00		97.6	90-110			
Manganese, dissolved	0.955		"	1.00		95.5	90-110			

Keystone Laboratories, Inc. - Newton

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Dissolved Metals - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B51615 - Dissolved Metal Prep										
Blank (1B51615-BLK1)				Prepared & Analyzed: 02/16/05						
Iron, dissolved	ND	0.030	mg/l							
Manganese, dissolved	ND	0.005	"							
Matrix Spike (1B51615-MS1)		**Source: 15B0474-01**		Prepared & Analyzed: 02/16/05						
Manganese, dissolved	0.421	0.005	mg/l	0.200	0.214	104	75-117			
Iron, dissolved	3.83	0.030	"	4.00	ND	95.8	71-129			
Matrix Spike Dup (1B51615-MSD1)		**Source: 15B0474-01**		Prepared & Analyzed: 02/16/05						
Iron, dissolved	3.85	0.030	mg/l	4.00	ND	96.2	71-129	0.521	12	
Manganese, dissolved	0.411	0.005	"	0.200	0.214	98.5	75-117	2.40	10	

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Total Metals - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 15B1605 - 1B51614										
Calibration Blank (15B1605-CCB2)				Prepared & Analyzed: 02/16/05						
Manganese, total	0.000200		mg/l	0.00						
Iron, total	0.0002		"	0.00						
Phosphorus, total	0.0173		"	0.00						
Calibration Blank (15B1605-CCB3)				Prepared & Analyzed: 02/16/05						
Iron, total	0.0003		mg/l	0.00						
Manganese, total	0.000200		"	0.00						
Phosphorus, total	0.0182		"	0.00						
Calibration Blank (15B1605-CCB4)				Prepared & Analyzed: 02/16/05						
anganese, total	0.000200		mg/l	0.00						
hosphorus, total	0.0128		"	0.00						
Iron, total	ND		"	0.00						
Calibration Check (15B1605-CCV1)				Prepared & Analyzed: 02/16/05						
Phosphorus, total	11.7		mg/l	12.0		97.5	90-110			
Manganese, total	0.296		"	0.300		98.7	90-110			
Iron, total	6.30		"	6.00		105	90-110			
Calibration Check (15B1605-CCV2)				Prepared & Analyzed: 02/16/05						
Iron, total	6.03		mg/l	6.00		100	90-110			
Manganese, total	0.308		"	0.300		103	90-110			
Phosphorus, total	12.1		"	12.0		101	90-110			
Calibration Check (15B1605-CCV3)				Prepared & Analyzed: 02/16/05						
Manganese, total	0.304		mg/l	0.300		101	90-110			
Phosphorus, total	11.9		"	12.0		99.2	90-110			
Iron, total	5.96		"	6.00		99.3	90-110			

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Total Metals - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 15B1605 - 1B51614										
Calibration Check (15B1605-CCV4)				Prepared & Analyzed: 02/16/05						
Phosphorus, total	12.1		mg/l	12.0		101	90-110			
Iron, total	6.16		"	6.00		103	90-110			
Manganese, total	0.310		"	0.300		103	90-110			
Initial Cal Blank (15B1605-ICB1)				Prepared & Analyzed: 02/16/05						
Manganese, total	0.000100		mg/l	0.00						
Phosphorus, total	0.00920		"	0.00						
Iron, total	ND		"	0.00						
Initial Cal Check (15B1605-ICV1)				Prepared & Analyzed: 02/16/05						
Iron, total	6.36		mg/l	6.00		106	90-110			
Manganese, total	0.295		"	0.300		98.3	90-110			
Phosphorus, total	11.8		"	12.0		98.3	90-110			
Secondary Cal Check (15B1605-SCV2)				Prepared & Analyzed: 02/16/05						
Iron, total	0.976		mg/l	1.00		97.6	90-110			
Manganese, total	0.955		"	1.00		95.5	90-110			
Secondary Cal Check (15B1605-SCV3)				Prepared & Analyzed: 02/16/05						
Phosphorus, total	7.35		mg/l	7.85		93.6	90-110			
Batch 1B51101 - EPA 3010A Total ICP										
Blank (1B51101-BLK1)				Prepared: 02/11/05 Analyzed: 02/23/05						
Iron, total	ND	0.030	mg/l							
Blank (1B51101-BLK2)				Prepared: 02/11/05 Analyzed: 02/16/05						
Phosphorus, total	ND	1.0	mg/l							
Manganese, total	ND	0.005	"							
Iron, total	ND	0.030	"							

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Total Metals - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B51101 - EPA 3010A Total ICP										
LCS (1B51101-BS2)				Prepared: 02/11/05 Analyzed: 02/16/05						
Iron, total	0.204	0.030	mg/l	0.200		102	75-140			
Manganese, total	0.192	0.005	"	0.200		96.0	80-121			
Phosphorus, total	8.95	1.0	"	10.0		89.5	78-116			
Calibration Blank (1B51101-CCB3)				Prepared: 02/11/05 Analyzed: 02/21/05						
Iron, total	0.002		mg/l							
Calibration Blank (1B51101-CCB4)				Prepared: 02/11/05 Analyzed: 02/21/05						
Iron, total	0.002		mg/l							
Calibration Check (1B51101-CCV3)				Prepared: 02/11/05 Analyzed: 02/21/05						
Iron, total	6.17		mg/l	6.00		103	90-110			
Calibration Check (1B51101-CCV4)				Prepared: 02/11/05 Analyzed: 02/21/05						
Iron, total	5.95		mg/l	6.00		99.2	90-110			
Matrix Spike (1B51101-MS2)		**Source: 15B0458-02**		Prepared: 02/11/05 Analyzed: 02/16/05						
Iron, total	7.22	0.030	mg/l	0.200	7.34	NR	62-140			QM-4X
Manganese, total	0.640	0.005	"	0.200	0.425	108	74-122			
Phosphorus, total	10.4	1.0	"	10.0	0.6	98.0	72-130			
Matrix Spike Dup (1B51101-MSD2)		**Source: 15B0458-02**		Prepared: 02/11/05 Analyzed: 02/16/05						
Manganese, total	0.638	0.005	mg/l	0.200	0.425	106	74-122	0.313	12	
Iron, total	7.04	0.030	"	0.200	7.34	NR	62-140	2.52	17	QM-4X
Phosphorus, total	10.4	1.0	"	10.0	0.6	98.0	72-130	0.00	10	
Post Spike (1B51101-PS3)		**Source: 15B0458-02**		Prepared: 02/11/05 Analyzed: 02/16/05						
Phosphorus, total	7.81		mg/l	7.84	0.588	92.1	71-126			
Iron, total	10.7		"	3.92	7.20	89.3	75-125			
Manganese, total	0.601		"	0.196	0.417	93.9	71-128			

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Determination of Total Metals - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B51101 - EPA 3010A Total ICP										
Reference (1B51101-SRM2)				Prepared: 02/11/05 Analyzed: 02/21/05						
Iron, total	0.935	0.030	mg/l	1.00		93.5	90-110			

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Delta Environmental-Clifton Park	Project: Steel Treaters	
9 Corporate Drive	Project Number: [none]	**Reported:**
Clifton Park NY, 12065	Project Manager: Matt Bell	02/24/05 16:42

Notes and Definitions

QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Keystone Laboratories, Inc. - Newton

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
TB-02-15(7'-7.5')

Lab Name: STL BURLINGTON
Contract: 240476
SDG No.: 240476

Lab Code: STLVT
Case No.: 24010
Lab Sample ID: 586321

Matrix: SOIL
Client: STLNYN
Date Received: 09/16/04

% Solids: 80.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	09/20/04	N/A	%	1.0		80.7	
IN847	TOC by Lloyd Kahn	09/21/04	BLKLK0921A	mg/Kg	1	620	1560	

Printed on: 09/23/04 02:57 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TB-02-16(7'-8')

Lab Name: STL BURLINGTON

Contract: 240476

SDG No.: 240476

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 586320

Matrix: SOIL

Client: STLNYN

Date Received: 09/16/04

% Solids: 80.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	09/20/04	N/A	%	1.0		80.9	
IN847	TOC by Lloyd Kahn	09/21/04	BLKLK0921A	mg/Kg	1	618	1090	

Printed on: 09/23/04 02:57 PM

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-10(13'-15'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-001

Sample wt/vol: 5.0 (g/ml) G Lab File ID: XS105.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.2 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	1.2
74-87-3	Chloromethane		U	1.2
74-83-9	Bromomethane		U	1.2
75-01-4	Vinyl Chloride	1.8		1.2
75-00-3	Chloroethane		U	1.2
75-69-4	Trichlorofluoromethane		U	1.2
75-09-2	Methylene Chloride	34		1.2
75-35-4	1,1-Dichloroethene	6.4		1.2
75-34-4	1,1-Dichloroethane	9.0		1.2
590-20-7	2,2-Dichloropropane		U	1.2
156-60-5	trans-1,2-Dichloroethylene	21		1.2
540-59-0	cis-1,2-Dichloroethene	2100	E	1.2
67-66-3	Chloroform	0.8	J	1.2
563-58-6	1,1-Dichloropropene		U	1.2
107-06-2	1,2-Dichloroethane		U	1.2
74-97-5	Bromochloromethane		U	1.2
71-55-6	1,1,1-Trichloroethane		U	1.2
56-23-5	Carbon Tetrachloride		U	1.2
74-95-3	Dibromomethane		U	1.2
75-27-4	Bromodichloromethane		U	1.2
78-87-5	1,2-Dichloropropane		U	1.2
10061-01-5	cis-1,3-Dichloropropene		U	1.2
79-01-6	Trichloroethene	6300	E	1.2
71-43-2	Benzene		U	1.2
142-28-9	1,3-Dichloropropane		U	1.2
124-48-1	Dibromochloromethane		U	1.2
10061-02-6	trans-1,3-Dichloropropene		U	1.2
79-00-5	1,1,2-Trichloroethane		U	1.2
106-93-4	1,2-Dibromoethane (EDB)		U	1.2
75-25-2	Bromoform		U	1.2
127-18-4	Tetrachloroethene		U	1.2
630-20-6	1,1,1,2-Tetrachloroethane		U	1.2
108-88-3	Toluene	12		1.2
108-90-7	Chlorobenzene		U	1.2
100-41-4	Ethylbenzene		U	1.2
100-42-5	Styrene		U	1.2
108-38-3	m,p-Xylene		U	1.2
95-47-6	o-Xylene		U	1.2
96-18-4	1,2,3-Trichloropropane		U	1.2

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-10(13'-15'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-001

Sample wt/vol: 5.0 (g/ml) G Lab File ID: XS105.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.2 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	1.2
108-86-1	Bromobenzene		U	1.2
103-65-1	n-Propylbenzene		U	1.2
79-34-5	1,1,2,2-Tetrachloroethane		U	1.2
95-49-8	2-Chlorotoluene		U	1.2
106-43-4	4-Chlorotoluene		U	1.2
108-67-8	1,3,5-Trimethylbenzene		U	1.2
98-06-6	tert-Butylbenzene		U	1.2
95-63-6	1,2,4-Trimethylbenzene		U	1.2
135-98-8	sec-Butylbenzene		U	1.2
541-73-1	1,3-Dichlorobenzene		U	1.2
99-87-6	p-Isopropyltoluene		U	1.2
106-46-7	1,4-Dichlorobenzene		U	1.2
95-50-1	1,2-Dichlorobenzene		U	1.2
104-51-8	n-Butylbenzene		U	1.2
96-12-8	1,2-Dibromo-3-chloropropane		U	1.2
87-68-3	Hexachlorobutadiene		U	1.2
120-82-1	1,2,4-Trichlorobenzene		U	1.2
91-20-3	Naphthalene		U	1.2
87-61-6	1,2,3-Trichlorobenzene		U	1.2

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-02-10(13'-15'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-001

Sample wt/vol: 5.0 (g/ml) G Lab File ID: XS105.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.2 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-34-1	Acetone	7.67	32	

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-10(13'-15'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-001DL

Sample wt/vol: 4.1 (g/ml) G Lab File ID: X8879.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 17.2 Date Analyzed: 9/27/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 50 (uL)

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	290
74-87-3	Chloromethane		U	290
74-83-9	Bromomethane		U	290
75-01-4	Vinyl Chloride		U	290
75-00-3	Chloroethane		U	290
75-69-4	Trichlorofluoromethane		U	290
75-09-2	Methylene Chloride	200	JD	290
75-35-4	1,1-Dichloroethene		U	290
75-34-4	1,1-Dichloroethane		U	290
590-20-7	2,2-Dichloropropane		U	290
156-60-5	trans-1,2-Dichloroethylene		U	290
540-59-0	cis-1,2-Dichloroethene	1900	D	290
67-66-3	Chloroform		U	290
563-58-6	1,1-Dichloropropene		U	290
107-06-2	1,2-Dichloroethane	350	D	290
74-97-5	Bromochloromethane		U	290
71-55-6	1,1,1-Trichloroethane		U	290
56-23-5	Carbon Tetrachloride		U	290
74-95-3	Dibromomethane		U	290
75-27-4	Bromodichloromethane		U	290
78-87-5	1,2-Dichloropropane		U	290
10061-01-5	cis-1,3-Dichloropropene		U	290
79-01-6	Trichloroethene	26000	D	290
71-43-2	Benzene		U	290
142-28-9	1,3-Dichloropropane		U	290
124-48-1	Dibromochloromethane		U	290
10061-02-6	trans-1,3-Dichloropropene		U	290
79-00-5	1,1,2-Trichloroethane		U	290
106-93-4	1,2-Dibromoethane (EDB)		U	290
75-25-2	Bromoform		U	290
127-18-4	Tetrachloroethene		U	290
630-20-6	1,1,1,2-Tetrachloroethane		U	290
108-88-3	Toluene		U	290
108-90-7	Chlorobenzene		U	290
100-41-4	Ethylbenzene		U	290
100-42-5	Styrene		U	290
108-38-3	m,p-Xylene	280	JD	290
95-47-6	o-Xylene		U	290
96-18-4	1,2,3-Trichloropropane		U	290

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-10(13'-15'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-001DL

Sample wt/vol: 4.1 (g/ml) G Lab File ID: X8879.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 17.2 Date Analyzed: 9/27/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 50 (uL)

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	290
108-86-1	Bromobenzene		U	290
103-65-1	n-Propylbenzene		U	290
79-34-5	1,1,2,2-Tetrachloroethane		U	290
95-49-8	2-Chlorotoluene		U	290
1634-04-4	MTBE		U	290
106-43-4	4-Chlorotoluene		U	290
108-67-8	1,3,5-Trimethylbenzene		U	290
98-06-6	tert-Butylbenzene		U	290
95-63-6	1,2,4-Trimethylbenzene		U	290
135-98-8	sec-Butylbenzene		U	290
541-73-1	1,3-Dichlorobenzene		U	290
99-87-6	p-Isopropyltoluene		U	290
106-46-7	1,4-Dichlorobenzene		U	290
95-50-1	1,2-Dichlorobenzene		U	290
104-51-8	n-Butylbenzene		U	290
96-12-8	1,2-Dibromo-3-chloropropane		U	290
87-68-3	Hexachlorobutadiene		U	290
120-82-1	1,2,4-Trichlorobenzene		U	290
91-20-3	Naphthalene		U	290
87-61-6	1,2,3-Trichlorobenzene		U	290

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-04(13'-15'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-002

Sample wt/vol: 5.21 (g/ml) G Lab File ID: XS106.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 21.1 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	1.2
74-87-3	Chloromethane		U	1.2
74-83-9	Bromomethane		U	1.2
75-01-4	Vinyl Chloride	5.7		1.2
75-00-3	Chloroethane		U	1.2
75-69-4	Trichlorofluoromethane		U	1.2
75-09-2	Methylene Chloride	17		1.2
75-35-4	1,1-Dichloroethene	12		1.2
75-34-4	1,1-Dichloroethane	2.8		1.2
590-20-7	2,2-Dichloropropane		U	1.2
156-60-5	trans-1,2-Dichloroethylene	1.1	J	1.2
540-59-0	cis-1,2-Dichloroethene	350	E J	1.2
67-66-3	Chloroform		U	1.2
563-58-6	1,1-Dichloropropene		U	1.2
107-06-2	1,2-Dichloroethane		U	1.2
74-97-5	Bromochloromethane		U	1.2
71-55-6	1,1,1-Trichloroethane		U	1.2
56-23-5	Carbon Tetrachloride		U	1.2
74-95-3	Dibromomethane		U	1.2
75-27-4	Bromodichloromethane		U	1.2
78-87-5	1,2-Dichloropropane		U	1.2
10061-01-5	cis-1,3-Dichloropropene		U	1.2
79-01-6	Trichloroethene	990	E J	1.2
71-43-2	Benzene		U	1.2
142-28-9	1,3-Dichloropropane		U	1.2
124-48-1	Dibromochloromethane		U	1.2
10061-02-6	trans-1,3-Dichloropropene		U	1.2
79-00-5	1,1,2-Trichloroethane		U	1.2
106-93-4	1,2-Dibromoethane (EDB)		U	1.2
75-25-2	Bromoform		U	1.2
127-18-4	Tetrachloroethene	3.7		1.2
630-20-6	1,1,1,2-Tetrachloroethane		U	1.2
108-88-3	Toluene		U	1.2
108-90-7	Chlorobenzene		U	1.2
100-41-4	Ethylbenzene		U	1.2
100-42-5	Styrene		U	1.2
108-38-3	m,p-Xylene		U	1.2
95-47-6	o-Xylene		U	1.2
96-18-4	1,2,3-Trichloropropane		U	1.2

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-04(13'-15'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-002

Sample wt/vol: 5.21 (g/ml) G Lab File ID: XS106.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 21.1 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	1.2
108-86-1	Bromobenzene		U	1.2
103-65-1	n-Propylbenzene		U	1.2
79-34-5	1,1,2,2-Tetrachloroethane		U	1.2
95-49-8	2-Chlorotoluene		U	1.2
106-43-4	4-Chlorotoluene		U	1.2
108-67-8	1,3,5-Trimethylbenzene		U	1.2
98-06-6	tert-Butylbenzene		U	1.2
95-63-6	1,2,4-Trimethylbenzene		U	1.2
135-98-8	sec-Butylbenzene		U	1.2
541-73-1	1,3-Dichlorobenzene		U	1.2
99-87-6	p-Isopropyltoluene		U	1.2
106-46-7	1,4-Dichlorobenzene		U	1.2
95-50-1	1,2-Dichlorobenzene		U	1.2
104-51-8	n-Butylbenzene		U	1.2
96-12-8	1,2-Dibromo-3-chloropropane		U	1.2
87-68-3	Hexachlorobutadiene		U	1.2
120-82-1	1,2,4-Trichlorobenzene		U	1.2
91-20-3	Naphthalene		U	1.2
87-61-6	1,2,3-Trichlorobenzene		U	1.2

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-02-04(13'-15'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-002

Sample wt/vol: 5.21 (g/ml) G Lab File ID: XS106.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 21.1 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-04(8'-10')

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-002DL

Sample wt/vol: 4.1 (g/ml) G Lab File ID: X8880.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 21.1 Date Analyzed: 9/27/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	150
74-87-3	Chloromethane		U	150
74-83-9	Bromomethane		U	150
75-01-4	Vinyl Chloride		U	150
75-00-3	Chloroethane		U	150
75-69-4	Trichlorofluoromethane		U	150
75-09-2	Methylene Chloride	130	JD	150
75-35-4	1,1-Dichloroethene		U	150
75-34-4	1,1-Dichloroethane		U	150
590-20-7	2,2-Dichloropropane		U	150
156-60-5	trans-1,2-Dichloroethylene		U	150
540-59-0	cis-1,2-Dichloroethene	260	D	150
67-66-3	Chloroform		U	150
563-58-6	1,1-Dichloropropene		U	150
107-06-2	1,2-Dichloroethane		U	150
74-97-5	Bromochloromethane		U	150
71-55-6	1,1,1-Trichloroethane		U	150
56-23-5	Carbon Tetrachloride		U	150
74-95-3	Dibromomethane		U	150
75-27-4	Bromodichloromethane		U	150
78-87-5	1,2-Dichloropropane		U	150
10061-01-5	cis-1,3-Dichloropropene		U	150
79-01-6	Trichloroethene	900	D	150
71-43-2	Benzene		U	150
142-28-9	1,3-Dichloropropane		U	150
124-48-1	Dibromochloromethane		U	150
10061-02-6	trans-1,3-Dichloropropene		U	150
79-00-5	1,1,2-Trichloroethane		U	150
106-93-4	1,2-Dibromoethane (EDB)		U	150
75-25-2	Bromoform		U	150
127-18-4	Tetrachloroethene		U	150
630-20-6	1,1,1,2-Tetrachloroethane		U	150
108-88-3	Toluene		U	150
108-90-7	Chlorobenzene		U	150
100-41-4	Ethylbenzene		U	150
100-42-5	Styrene		U	150
108-38-3	m,p-Xylene		U	150
95-47-6	o-Xylene		U	150
96-18-4	1,2,3-Trichloropropane		U	150

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-04(8'-10')

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-002DL

Sample wt/vol: 4.1 (g/ml) G Lab File ID: X8880.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 21.1 Date Analyzed: 9/27/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	150
108-86-1	Bromobenzene		U	150
103-65-1	n-Propylbenzene		U	150
79-34-5	1,1,2,2-Tetrachloroethane		U	150
95-49-8	2-Chlorotoluene		U	150
1634-04-4	MTBE		U	150
106-43-4	4-Chlorotoluene		U	150
108-67-8	1,3,5-Trimethylbenzene		U	150
98-06-6	tert-Butylbenzene		U	150
95-63-6	1,2,4-Trimethylbenzene		U	150
135-98-8	sec-Butylbenzene		U	150
541-73-1	1,3-Dichlorobenzene		U	150
99-87-6	p-Isopropyltoluene		U	150
106-46-7	1,4-Dichlorobenzene		U	150
95-50-1	1,2-Dichlorobenzene		U	150
104-51-8	n-Butylbenzene		U	150
96-12-8	1,2-Dibromo-3-chloropropane		U	150
87-68-3	Hexachlorobutadiene		U	150
120-82-1	1,2,4-Trichlorobenzene		U	150
91-20-3	Naphthalene	110	JD	150
87-61-6	1,2,3-Trichlorobenzene		U	150

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-21(10'-12'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-003

Sample wt/vol: 5.16 (g/ml) G Lab File ID: XS107.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.9 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	1.2
74-87-3	Chloromethane		U	1.2
74-83-9	Bromomethane		U	1.2
75-01-4	Vinyl Chloride		U	1.2
75-00-3	Chloroethane		U	1.2
75-69-4	Trichlorofluoromethane		U	1.2
75-09-2	Methylene Chloride	9.9		1.2
75-35-4	1,1-Dichloroethene		U	1.2
75-34-4	1,1-Dichloroethane		U	1.2
590-20-7	2,2-Dichloropropane		U	1.2
156-60-5	trans-1,2-Dichloroethylene	6.4		1.2
540-59-0	cis-1,2-Dichloroethene	140	E J	1.2
67-66-3	Chloroform		U	1.2
563-58-6	1,1-Dichloropropene		U	1.2
107-06-2	1,2-Dichloroethane		U	1.2
74-97-5	Bromochloromethane		U	1.2
71-55-6	1,1,1-Trichloroethane		U	1.2
56-23-5	Carbon Tetrachloride		U	1.2
74-95-3	Dibromomethane		U	1.2
75-27-4	Bromodichloromethane		U	1.2
78-87-5	1,2-Dichloropropane		U	1.2
10061-01-5	cis-1,3-Dichloropropene		U	1.2
79-01-6	Trichloroethene	460	E J	1.2
71-43-2	Benzene		U	1.2
142-28-9	1,3-Dichloropropane		U	1.2
124-48-1	Dibromochloromethane		U	1.2
10061-02-6	trans-1,3-Dichloropropene		U	1.2
79-00-5	1,1,2-Trichloroethane		U	1.2
106-93-4	1,2-Dibromoethane (EDB)		U	1.2
75-25-2	Bromoform		U	1.2
127-18-4	Tetrachloroethene		U	1.2
630-20-6	1,1,1,2-Tetrachloroethane		U	1.2
108-88-3	Toluene		U	1.2
108-90-7	Chlorobenzene		U	1.2
100-41-4	Ethylbenzene		U	1.2
100-42-5	Styrene		U	1.2
108-38-3	m,p-Xylene		U	1.2
95-47-6	o-Xylene		U	1.2
96-18-4	1,2,3-Trichloropropane		U	1.2

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-21(10'-12'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-003

Sample wt/vol: 5.16 (g/ml) G Lab File ID: XS107.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.9 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	1.2
108-86-1	Bromobenzene		U	1.2
103-65-1	n-Propylbenzene		U	1.2
79-34-5	1,1,2,2-Tetrachloroethane		U	1.2
95-49-8	2-Chlorotoluene		U	1.2
106-43-4	4-Chlorotoluene		U	1.2
108-67-8	1,3,5-Trimethylbenzene		U	1.2
98-06-6	tert-Butylbenzene		U	1.2
95-63-6	1,2,4-Trimethylbenzene		U	1.2
135-98-8	sec-Butylbenzene		U	1.2
541-73-1	1,3-Dichlorobenzene		U	1.2
99-87-6	p-Isopropyltoluene		U	1.2
106-46-7	1,4-Dichlorobenzene		U	1.2
95-50-1	1,2-Dichlorobenzene		U	1.2
104-51-8	n-Butylbenzene		U	1.2
96-12-8	1,2-Dibromo-3-chloropropane		U	1.2
87-68-3	Hexachlorobutadiene		U	1.2
120-82-1	1,2,4-Trichlorobenzene		U	1.2
91-20-3	Naphthalene		U	1.2
87-61-6	1,2,3-Trichlorobenzene		U	1.2

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-02-21(10'-12'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-003

Sample wt/vol: 5.16 (g/ml) G Lab File ID: XS107.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.9 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	10.82	7	JN

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-21(10'-12'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-003DL

Sample wt/vol: 1.01 (g/ml) G Lab File ID: X8829.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.9 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	6.0
74-87-3	Chloromethane		U	6.0
74-83-9	Bromomethane		U	6.0
75-01-4	Vinyl Chloride		U	6.0
75-00-3	Chloroethane		U	6.0
75-69-4	Trichlorofluoromethane		U	6.0
75-09-2	Methylene Chloride	5.6	JD	6.0
75-35-4	1,1-Dichloroethene		U	6.0
75-34-4	1,1-Dichloroethane		U	6.0
590-20-7	2,2-Dichloropropane		U	6.0
156-60-5	trans-1,2-Dichloroethylene	3.3	JD	6.0
540-59-0	cis-1,2-Dichloroethene	90	D	6.0
67-66-3	Chloroform		U	6.0
563-58-6	1,1-Dichloropropene		U	6.0
107-06-2	1,2-Dichloroethane		U	6.0
74-97-5	Bromochloromethane		U	6.0
71-55-6	1,1,1-Trichloroethane		U	6.0
56-23-5	Carbon Tetrachloride		U	6.0
74-95-3	Dibromomethane		U	6.0
75-27-4	Bromodichloromethane		U	6.0
78-87-5	1,2-Dichloropropane		U	6.0
10061-01-5	cis-1,3-Dichloropropene		U	6.0
79-01-6	Trichloroethene	260	D	6.0
71-43-2	Benzene		U	6.0
142-28-9	1,3-Dichloropropane		U	6.0
124-48-1	Dibromochloromethane		U	6.0
10061-02-6	trans-1,3-Dichloropropene		U	6.0
79-00-5	1,1,2-Trichloroethane		U	6.0
106-93-4	1,2-Dibromoethane (EDB)		U	6.0
75-25-2	Bromoform		U	6.0
127-18-4	Tetrachloroethene		U	6.0
630-20-6	1,1,1,2-Tetrachloroethane		U	6.0
108-88-3	Toluene		U	6.0
108-90-7	Chlorobenzene		U	6.0
100-41-4	Ethylbenzene		U	6.0
100-42-5	Styrene		U	6.0
108-38-3	m,p-Xylene		U	6.0
95-47-6	o-Xylene		U	6.0
96-18-4	1,2,3-Trichloropropane		U	6.0

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-21(10'-12'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-003DL

Sample wt/vol: 1.01 (g/ml) G Lab File ID: X8829.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.9 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	6.0
108-86-1	Bromobenzene		U	6.0
103-65-1	n-Propylbenzene		U	6.0
79-34-5	1,1,2,2-Tetrachloroethane		U	6.0
95-49-8	2-Chlorotoluene		U	6.0
1634-04-4	MTBE		U	6.0
106-43-4	4-Chlorotoluene		U	6.0
108-67-8	1,3,5-Trimethylbenzene		U	6.0
98-06-6	tert-Butylbenzene		U	6.0
95-63-6	1,2,4-Trimethylbenzene		U	6.0
135-98-8	sec-Butylbenzene		U	6.0
541-73-1	1,3-Dichlorobenzene		U	6.0
99-87-6	p-Isopropyltoluene		U	6.0
106-46-7	1,4-Dichlorobenzene		U	6.0
95-50-1	1,2-Dichlorobenzene		U	6.0
104-51-8	n-Butylbenzene		U	6.0
96-12-8	1,2-Dibromo-3-chloropropane		U	6.0
87-68-3	Hexachlorobutadiene		U	6.0
120-82-1	1,2,4-Trichlorobenzene		U	6.0
91-20-3	Naphthalene		U	6.0
87-61-6	1,2,3-Trichlorobenzene		U	6.0

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-19(10-12.5

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-004

Sample wt/vol: 5.05 (g/ml) G Lab File ID: XS108.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 21.3 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	1.3
74-87-3	Chloromethane		U	1.3
74-83-9	Bromomethane		U	1.3
75-01-4	Vinyl Chloride	3.2		1.3
75-00-3	Chloroethane		U	1.3
75-69-4	Trichlorofluoromethane		U	1.3
75-09-2	Methylene Chloride	4.9		1.3
75-35-4	1,1-Dichloroethene	12		1.3
75-34-4	1,1-Dichloroethane	2.6		1.3
590-20-7	2,2-Dichloropropane		U	1.3
156-60-5	trans-1,2-Dichloroethylene	18		1.3
540-59-0	cis-1,2-Dichloroethene	500	E	1.3
67-66-3	Chloroform		U	1.3
563-58-6	1,1-Dichloropropene		U	1.3
107-06-2	1,2-Dichloroethane		U	1.3
74-97-5	Bromochloromethane		U	1.3
71-55-6	1,1,1-Trichloroethane		U	1.3
56-23-5	Carbon Tetrachloride		U	1.3
74-95-3	Dibromomethane		U	1.3
75-27-4	Bromodichloromethane		U	1.3
78-87-5	1,2-Dichloropropane		U	1.3
10061-01-5	cis-1,3-Dichloropropene		U	1.3
79-01-6	Trichloroethene	13000	E	1.3
71-43-2	Benzene		U	1.3
142-28-9	1,3-Dichloropropane		U	1.3
124-48-1	Dibromochloromethane		U	1.3
10061-02-6	trans-1,3-Dichloropropene		U	1.3
79-00-5	1,1,2-Trichloroethane		U	1.3
106-93-4	1,2-Dibromoethane (EDB)		U	1.3
75-25-2	Bromoform		U	1.3
127-18-4	Tetrachloroethene		U	1.3
630-20-6	1,1,1,2-Tetrachloroethane		U	1.3
108-88-3	Toluene		U	1.3
108-90-7	Chlorobenzene		U	1.3
100-41-4	Ethylbenzene		U	1.3
100-42-5	Styrene		U	1.3
108-38-3	m,p-Xylene		U	1.3
95-47-6	o-Xylene		U	1.3
96-18-4	1,2,3-Trichloropropane		U	1.3

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-19(10-12.5

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-004

Sample wt/vol: 5.05 (g/ml) G Lab File ID: XS108.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 21.3 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	1.3
108-86-1	Bromobenzene		U	1.3
103-65-1	n-Propylbenzene		U	1.3
79-34-5	1,1,2,2-Tetrachloroethane		U	1.3
95-49-8	2-Chlorotoluene		U	1.3
106-43-4	4-Chlorotoluene		U	1.3
108-67-8	1,3,5-Trimethylbenzene		U	1.3
98-06-6	tert-Butylbenzene		U	1.3
95-63-6	1,2,4-Trimethylbenzene		U	1.3
135-98-8	sec-Butylbenzene		U	1.3
541-73-1	1,3-Dichlorobenzene		U	1.3
99-87-6	p-Isopropyltoluene		U	1.3
106-46-7	1,4-Dichlorobenzene		U	1.3
95-50-1	1,2-Dichlorobenzene		U	1.3
104-51-8	n-Butylbenzene		U	1.3
96-12-8	1,2-Dibromo-3-chloropropane		U	1.3
87-68-3	Hexachlorobutadiene		U	1.3
120-82-1	1,2,4-Trichlorobenzene		U	1.3
91-20-3	Naphthalene		U	1.3
87-61-6	1,2,3-Trichlorobenzene		U	1.3

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-02-19(10-12.5

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-004

Sample wt/vol: 5.05 (g/ml) G Lab File ID: XS108.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 21.3 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	7.68	22	

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-19(10-12.5

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-004DL

Sample wt/vol: 4.3 (g/ml) G Lab File ID: X8910.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 21.3 Date Analyzed: 9/28/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 25 (uL)

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	590
74-87-3	Chloromethane		U	590
74-83-9	Bromomethane		U	590
75-01-4	Vinyl Chloride		U	590
75-00-3	Chloroethane		U	590
75-69-4	Trichlorofluoromethane		U	590
75-09-2	Methylene Chloride		U	590
75-35-4	1,1-Dichloroethene		U	590
75-34-4	1,1-Dichloroethane		U	590
590-20-7	2,2-Dichloropropane		U	590
156-60-5	trans-1,2-Dichloroethylene		U	590
540-59-0	cis-1,2-Dichloroethene		U	590
67-66-3	Chloroform		U	590
563-58-6	1,1-Dichloropropene		U	590
107-06-2	1,2-Dichloroethane		U	590
74-97-5	Bromochloromethane		U	590
71-55-6	1,1,1-Trichloroethane		U	590
56-23-5	Carbon Tetrachloride		U	590
74-95-3	Dibromomethane		U	590
75-27-4	Bromodichloromethane		U	590
78-87-5	1,2-Dichloropropane		U	590
10061-01-5	cis-1,3-Dichloropropene		U	590
79-01-6	Trichloroethene	19000	D	590
71-43-2	Benzene		U	590
142-28-9	1,3-Dichloropropane		U	590
124-48-1	Dibromochloromethane		U	590
10061-02-6	trans-1,3-Dichloropropene		U	590
79-00-5	1,1,2-Trichloroethane		U	590
106-93-4	1,2-Dibromoethane (EDB)		U	590
75-25-2	Bromoform		U	590
127-18-4	Tetrachloroethene		U	590
630-20-6	1,1,1,2-Tetrachloroethane		U	590
108-88-3	Toluene		U	590
108-90-7	Chlorobenzene		U	590
100-41-4	Ethylbenzene		U	590
100-42-5	Styrene		U	590
108-38-3	m,p-Xylene		U	590
95-47-6	o-Xylene		U	590
96-18-4	1,2,3-Trichloropropane		U	590

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-19(10-12.5

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-004DL

Sample wt/vol: 4.3 (g/ml) G Lab File ID: X8910.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 21.3 Date Analyzed: 9/28/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 25 (uL)

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	590
108-86-1	Bromobenzene		U	590
103-65-1	n-Propylbenzene		U	590
79-34-5	1,1,2,2-Tetrachloroethane		U	590
95-49-8	2-Chlorotoluene		U	590
1634-04-4	MTBE		U	590
106-43-4	4-Chlorotoluene		U	590
108-67-8	1,3,5-Trimethylbenzene		U	590
98-06-6	tert-Butylbenzene		U	590
95-63-6	1,2,4-Trimethylbenzene		U	590
135-98-8	sec-Butylbenzene		U	590
541-73-1	1,3-Dichlorobenzene		U	590
99-87-6	p-Isopropyltoluene		U	590
106-46-7	1,4-Dichlorobenzene		U	590
95-50-1	1,2-Dichlorobenzene		U	590
104-51-8	n-Butylbenzene		U	590
96-12-8	1,2-Dibromo-3-chloropropane		U	590
87-68-3	Hexachlorobutadiene		U	590
120-82-1	1,2,4-Trichlorobenzene		U	590
91-20-3	Naphthalene		U	590
87-61-6	1,2,3-Trichlorobenzene		U	590

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-20(11'-13'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-005

Sample wt/vol: 5.12 (g/ml) G Lab File ID: XS109.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 23.1 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	1.3
74-87-3	Chloromethane		U	1.3
74-83-9	Bromomethane		U	1.3
75-01-4	Vinyl Chloride		U	1.3
75-00-3	Chloroethane		U	1.3
75-69-4	Trichlorofluoromethane		U	1.3
75-09-2	Methylene Chloride	3.6		1.3
75-35-4	1,1-Dichloroethene	5.1		1.3
75-34-4	1,1-Dichloroethane	1.1	J	1.3
590-20-7	2,2-Dichloropropane		U	1.3
156-60-5	trans-1,2-Dichloroethylene	1.5		1.3
540-59-0	cis-1,2-Dichloroethene	30		1.3
67-66-3	Chloroform		U	1.3
563-58-6	1,1-Dichloropropene		U	1.3
107-06-2	1,2-Dichloroethane		U	1.3
74-97-5	Bromochloromethane		U	1.3
71-55-6	1,1,1-Trichloroethane	1.3		1.3
56-23-5	Carbon Tetrachloride		U	1.3
74-95-3	Dibromomethane		U	1.3
75-27-4	Bromodichloromethane		U	1.3
78-87-5	1,2-Dichloropropane		U	1.3
10061-01-5	cis-1,3-Dichloropropene		U	1.3
79-01-6	Trichloroethene	2100	E	1.3
71-43-2	Benzene		U	1.3
142-28-9	1,3-Dichloropropane		U	1.3
124-48-1	Dibromochloromethane		U	1.3
10061-02-6	trans-1,3-Dichloropropene		U	1.3
79-00-5	1,1,2-Trichloroethane		U	1.3
106-93-4	1,2-Dibromoethane (EDB)		U	1.3
75-25-2	Bromoform		U	1.3
127-18-4	Tetrachloroethene		U	1.3
630-20-6	1,1,1,2-Tetrachloroethane		U	1.3
108-88-3	Toluene		U	1.3
108-90-7	Chlorobenzene		U	1.3
100-41-4	Ethylbenzene		U	1.3
100-42-5	Styrene		U	1.3
108-38-3	m,p-Xylene		U	1.3
95-47-6	o-Xylene		U	1.3
96-18-4	1,2,3-Trichloropropane		U	1.3

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-20(11'-13'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-005

Sample wt/vol: 5.12 (g/ml) G Lab File ID: XS109.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 23.1 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	1.3
108-86-1	Bromobenzene		U	1.3
103-65-1	n-Propylbenzene		U	1.3
79-34-5	1,1,2,2-Tetrachloroethane		U	1.3
95-49-8	2-Chlorotoluene		U	1.3
106-43-4	4-Chlorotoluene		U	1.3
108-67-8	1,3,5-Trimethylbenzene		U	1.3
98-06-6	tert-Butylbenzene		U	1.3
95-63-6	1,2,4-Trimethylbenzene		U	1.3
135-98-8	sec-Butylbenzene		U	1.3
541-73-1	1,3-Dichlorobenzene		U	1.3
99-87-6	p-Isopropyltoluene		U	1.3
106-46-7	1,4-Dichlorobenzene		U	1.3
95-50-1	1,2-Dichlorobenzene		U	1.3
104-51-8	n-Butylbenzene		U	1.3
96-12-8	1,2-Dibromo-3-chloropropane		U	1.3
87-68-3	Hexachlorobutadiene		U	1.3
120-82-1	1,2,4-Trichlorobenzene		U	1.3
91-20-3	Naphthalene		U	1.3
87-61-6	1,2,3-Trichlorobenzene		U	1.3

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-02-20(11'-13'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-005

Sample wt/vol: 5.12 (g/ml) G Lab File ID: XS109.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 23.1 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	7.67	19	

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-20(11'-13'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-005DL

Sample wt/vol: 4.4 (g/ml) G Lab File ID: X8882.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 23.1 Date Analyzed: 9/28/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	150
74-87-3	Chloromethane		U	150
74-83-9	Bromomethane		U	150
75-01-4	Vinyl Chloride		U	150
75-00-3	Chloroethane		U	150
75-69-4	Trichlorofluoromethane		U	150
75-09-2	Methylene Chloride	99	JD	150
75-35-4	1,1-Dichloroethene		U	150
75-34-4	1,1-Dichloroethane		U	150
590-20-7	2,2-Dichloropropane		U	150
156-60-5	trans-1,2-Dichloroethylene		U	150
540-59-0	cis-1,2-Dichloroethene		U	150
67-66-3	Chloroform		U	150
563-58-6	1,1-Dichloropropene		U	150
107-06-2	1,2-Dichloroethane		U	150
74-97-5	Bromochloromethane		U	150
71-55-6	1,1,1-Trichloroethane		U	150
56-23-5	Carbon Tetrachloride		U	150
74-95-3	Dibromomethane		U	150
75-27-4	Bromodichloromethane		U	150
78-87-5	1,2-Dichloropropane		U	150
10061-01-5	cis-1,3-Dichloropropene		U	150
79-01-6	Trichloroethene	3800	D	150
71-43-2	Benzene		U	150
142-28-9	1,3-Dichloropropane		U	150
124-48-1	Dibromochloromethane		U	150
10061-02-6	trans-1,3-Dichloropropene		U	150
79-00-5	1,1,2-Trichloroethane		U	150
106-93-4	1,2-Dibromoethane (EDB)		U	150
75-25-2	Bromoform		U	150
127-18-4	Tetrachloroethene		U	150
630-20-6	1,1,1,2-Tetrachloroethane		U	150
108-88-3	Toluene		U	150
108-90-7	Chlorobenzene		U	150
100-41-4	Ethylbenzene		U	150
100-42-5	Styrene		U	150
108-38-3	m,p-Xylene	80	JD	150
95-47-6	o-Xylene		U	150
96-18-4	1,2,3-Trichloropropane		U	150

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-20(11'-13'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-005DL

Sample wt/vol: 4.4 (g/ml) G Lab File ID: X8882.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 23.1 Date Analyzed: 9/28/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	150
108-86-1	Bromobenzene		U	150
103-65-1	n-Propylbenzene		U	150
79-34-5	1,1,2,2-Tetrachloroethane		U	150
95-49-8	2-Chlorotoluene		U	150
1634-04-4	MTBE		U	150
106-43-4	4-Chlorotoluene		U	150
108-67-8	1,3,5-Trimethylbenzene		U	150
98-06-6	tert-Butylbenzene		U	150
95-63-6	1,2,4-Trimethylbenzene		U	150
135-98-8	sec-Butylbenzene		U	150
541-73-1	1,3-Dichlorobenzene		U	150
99-87-6	p-Isopropyltoluene		U	150
106-46-7	1,4-Dichlorobenzene		U	150
95-50-1	1,2-Dichlorobenzene		U	150
104-51-8	n-Butylbenzene		U	150
96-12-8	1,2-Dibromo-3-chloropropane		U	150
87-68-3	Hexachlorobutadiene		U	150
120-82-1	1,2,4-Trichlorobenzene		U	150
91-20-3	Naphthalene		U	150
87-61-6	1,2,3-Trichlorobenzene		U	150

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-18(3-5')

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-006

Sample wt/vol: 5.29 (g/ml) G Lab File ID: XS110.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.4 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	1.1
74-87-3	Chloromethane		U	1.1
74-83-9	Bromomethane		U	1.1
75-01-4	Vinyl Chloride		U	1.1
75-00-3	Chloroethane		U	1.1
75-69-4	Trichlorofluoromethane		U	1.1
75-09-2	Methylene Chloride	23	J	1.1
75-35-4	1,1-Dichloroethene		U	1.1
75-34-4	1,1-Dichloroethane		U	1.1
590-20-7	2,2-Dichloropropane		U	1.1
156-60-5	trans-1,2-Dichloroethylene		U	1.1
540-59-0	cis-1,2-Dichloroethene	120	E J	1.1
67-66-3	Chloroform	1.2		1.1
563-58-6	1,1-Dichloropropene		U	1.1
107-06-2	1,2-Dichloroethane		U	1.1
74-97-5	Bromochloromethane		U	1.1
71-55-6	1,1,1-Trichloroethane		U	1.1
56-23-5	Carbon Tetrachloride		U	1.1
74-95-3	Dibromomethane		U	1.1
75-27-4	Bromodichloromethane		U	1.1
78-87-5	1,2-Dichloropropane		U	1.1
10061-01-5	cis-1,3-Dichloropropene		U	1.1
79-01-6	Trichloroethene	3200	E J	1.1
71-43-2	Benzene		U	1.1
142-28-9	1,3-Dichloropropane		U	1.1
124-48-1	Dibromochloromethane		U	1.1
10061-02-6	trans-1,3-Dichloropropene		U	1.1
79-00-5	1,1,2-Trichloroethane		U	1.1
106-93-4	1,2-Dibromoethane (EDB)		U	1.1
75-25-2	Bromoform		U	1.1
127-18-4	Tetrachloroethene	35	J	1.1
630-20-6	1,1,1,2-Tetrachloroethane		U	1.1
108-88-3	Toluene		U	1.1
108-90-7	Chlorobenzene		U	1.1
100-41-4	Ethylbenzene		U	1.1
100-42-5	Styrene		U	1.1
108-38-3	m,p-Xylene	2.4		1.1
95-47-6	o-Xylene	1.0	J	1.1
96-18-4	1,2,3-Trichloropropane		U	1.1

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-18(3-5')

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-006

Sample wt/vol: 5.29 (g/ml) G Lab File ID: XS110.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.4 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	1.1
108-86-1	Bromobenzene		U	1.1
103-65-1	n-Propylbenzene		U	1.1
79-34-5	1,1,2,2-Tetrachloroethane		U	1.1
95-49-8	2-Chlorotoluene		U	1.1
106-43-4	4-Chlorotoluene		U	1.1
108-67-8	1,3,5-Trimethylbenzene		U	1.1
98-06-6	tert-Butylbenzene		U	1.1
95-63-6	1,2,4-Trimethylbenzene	3.1		1.1
135-98-8	sec-Butylbenzene		U	1.1
541-73-1	1,3-Dichlorobenzene		U	1.1
99-87-6	p-Isopropyltoluene		U	1.1
106-46-7	1,4-Dichlorobenzene		U	1.1
95-50-1	1,2-Dichlorobenzene		U	1.1
104-51-8	n-Butylbenzene		U	1.1
96-12-8	1,2-Dibromo-3-chloropropane		U	1.1
87-68-3	Hexachlorobutadiene		U	1.1
120-82-1	1,2,4-Trichlorobenzene	5.6		1.1
91-20-3	Naphthalene	4.7		1.1
87-61-6	1,2,3-Trichlorobenzene	1.1	J	1.1

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-02-18(3-5')

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-006

Sample wt/vol: 5.29 (g/ml) G Lab File ID: XS110.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.4 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 3

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	7.68	28	
2.	C8H16 isomer	14.80	110	J
3.	C8H16 isomer	15.30	58	J

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-18(3'-5')D

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-006DL

Sample wt/vol: 4.2 (g/ml) G Lab File ID: X8883.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 17.4 Date Analyzed: 9/28/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	140
74-87-3	Chloromethane		U	140
74-83-9	Bromomethane		U	140
75-01-4	Vinyl Chloride		U	140
75-00-3	Chloroethane		U	140
75-69-4	Trichlorofluoromethane		U	140
75-09-2	Methylene Chloride		U	140
75-35-4	1,1-Dichloroethene		U	140
75-34-4	1,1-Dichloroethane		U	140
590-20-7	2,2-Dichloropropane		U	140
156-60-5	trans-1,2-Dichloroethylene		U	140
540-59-0	cis-1,2-Dichloroethene		U	140
67-66-3	Chloroform		U	140
563-58-6	1,1-Dichloropropene		U	140
107-06-2	1,2-Dichloroethane		U	140
74-97-5	Bromochloromethane		U	140
71-55-6	1,1,1-Trichloroethane		U	140
56-23-5	Carbon Tetrachloride		U	140
74-95-3	Dibromomethane		U	140
75-27-4	Bromodichloromethane		U	140
78-87-5	1,2-Dichloropropane		U	140
10061-01-5	cis-1,3-Dichloropropene		U	140
79-01-6	Trichloroethene	690	D J	140
71-43-2	Benzene		U	140
142-28-9	1,3-Dichloropropane		U	140
124-48-1	Dibromochloromethane		U	140
10061-02-6	trans-1,3-Dichloropropene		U	140
79-00-5	1,1,2-Trichloroethane		U	140
106-93-4	1,2-Dibromoethane (EDB)		U	140
75-25-2	Bromoform		U	140
127-18-4	Tetrachloroethene		U	140
630-20-6	1,1,1,2-Tetrachloroethane		U	140
108-88-3	Toluene		U	140
108-90-7	Chlorobenzene		U	140
100-41-4	Ethylbenzene		U	140
100-42-5	Styrene		U	140
108-38-3	m,p-Xylene		U	140
95-47-6	o-Xylene		U	140
96-18-4	1,2,3-Trichloropropane		U	140

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-18(3'-5')D

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-006DL

Sample wt/vol: 4.2 (g/ml) G Lab File ID: X8883.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 17.4 Date Analyzed: 9/28/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	140
108-86-1	Bromobenzene		U	140
103-65-1	n-Propylbenzene		U	140
79-34-5	1,1,2,2-Tetrachloroethane		U	140
95-49-8	2-Chlorotoluene		U	140
1634-04-4	MTBE		U	140
106-43-4	4-Chlorotoluene		U	140
108-67-8	1,3,5-Trimethylbenzene		U	140
98-06-6	tert-Butylbenzene		U	140
95-63-6	1,2,4-Trimethylbenzene		U	140
135-98-8	sec-Butylbenzene		U	140
541-73-1	1,3-Dichlorobenzene		U	140
99-87-6	p-Isopropyltoluene		U	140
106-46-7	1,4-Dichlorobenzene		U	140
95-50-1	1,2-Dichlorobenzene		U	140
104-51-8	n-Butylbenzene		U	140
96-12-8	1,2-Dibromo-3-chloropropane		U	140
87-68-3	Hexachlorobutadiene		U	140
120-82-1	1,2,4-Trichlorobenzene	250	D	140
91-20-3	Naphthalene		U	140
87-61-6	1,2,3-Trichlorobenzene		U	140

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-18(10'-12.

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-007

Sample wt/vol: 5.02 (g/ml) G Lab File ID: XS111.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 19.6 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	1.2
74-87-3	Chloromethane		U	1.2
74-83-9	Bromomethane		U	1.2
75-01-4	Vinyl Chloride		U	1.2
75-00-3	Chloroethane		U	1.2
75-69-4	Trichlorofluoromethane		U	1.2
75-09-2	Methylene Chloride	3.6		1.2
75-35-4	1,1-Dichloroethene		U	1.2
75-34-4	1,1-Dichloroethane		U	1.2
590-20-7	2,2-Dichloropropane		U	1.2
156-60-5	trans-1,2-Dichloroethylene		U	1.2
540-59-0	cis-1,2-Dichloroethene	0.6	J	1.2
67-66-3	Chloroform		U	1.2
563-58-6	1,1-Dichloropropene		U	1.2
107-06-2	1,2-Dichloroethane		U	1.2
74-97-5	Bromochloromethane		U	1.2
71-55-6	1,1,1-Trichloroethane		U	1.2
56-23-5	Carbon Tetrachloride		U	1.2
74-95-3	Dibromomethane		U	1.2
75-27-4	Bromodichloromethane		U	1.2
78-87-5	1,2-Dichloropropane		U	1.2
10061-01-5	cis-1,3-Dichloropropene		U	1.2
79-01-6	Trichloroethene	11		1.2
71-43-2	Benzene		U	1.2
142-28-9	1,3-Dichloropropane		U	1.2
124-48-1	Dibromochloromethane		U	1.2
10061-02-6	trans-1,3-Dichloropropene		U	1.2
79-00-5	1,1,2-Trichloroethane		U	1.2
106-93-4	1,2-Dibromoethane (EDB)		U	1.2
75-25-2	Bromoform		U	1.2
127-18-4	Tetrachloroethene		U	1.2
630-20-6	1,1,1,2-Tetrachloroethane		U	1.2
108-88-3	Toluene		U	1.2
108-90-7	Chlorobenzene		U	1.2
100-41-4	Ethylbenzene		U	1.2
100-42-5	Styrene		U	1.2
108-38-3	m,p-Xylene		U	1.2
95-47-6	o-Xylene		U	1.2
96-18-4	1,2,3-Trichloropropane		U	1.2

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-18(10'-12.

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-007

Sample wt/vol: 5.02 (g/ml) G Lab File ID: XS111.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 19.6 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	1.2
108-86-1	Bromobenzene		U	1.2
103-65-1	n-Propylbenzene		U	1.2
79-34-5	1,1,2,2-Tetrachloroethane		U	1.2
95-49-8	2-Chlorotoluene		U	1.2
106-43-4	4-Chlorotoluene		U	1.2
108-67-8	1,3,5-Trimethylbenzene		U	1.2
98-06-6	tert-Butylbenzene		U	1.2
95-63-6	1,2,4-Trimethylbenzene		U	1.2
135-98-8	sec-Butylbenzene		U	1.2
541-73-1	1,3-Dichlorobenzene		U	1.2
99-87-6	p-Isopropyltoluene		U	1.2
106-46-7	1,4-Dichlorobenzene		U	1.2
95-50-1	1,2-Dichlorobenzene		U	1.2
104-51-8	n-Butylbenzene		U	1.2
96-12-8	1,2-Dibromo-3-chloropropane		U	1.2
87-68-3	Hexachlorobutadiene		U	1.2
120-82-1	1,2,4-Trichlorobenzene		U	1.2
91-20-3	Naphthalene		U	1.2
87-61-6	1,2,3-Trichlorobenzene		U	1.2

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-02-18(10'-12.

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-007

Sample wt/vol: 5.02 (g/ml) G Lab File ID: XS111.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 19.6 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 3

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	7.67	23	
2. 000110-54-3	Hexane	10.10	7	JN
3. 000071-23-8	1-Propanol	10.82	16	JN

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-01(1'-2')

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-008

Sample wt/vol: 5.0 (g/ml) G Lab File ID: XS115.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.9 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	1.2
74-87-3	Chloromethane		U	1.2
74-83-9	Bromomethane		U	1.2
75-01-4	Vinyl Chloride		U	1.2
75-00-3	Chloroethane		U	1.2
75-69-4	Trichlorofluoromethane		U	1.2
75-09-2	Methylene Chloride	20		1.2
75-35-4	1,1-Dichloroethene		U	1.2
75-34-4	1,1-Dichloroethane		U	1.2
590-20-7	2,2-Dichloropropane		U	1.2
156-60-5	trans-1,2-Dichloroethylene		U	1.2
540-59-0	cis-1,2-Dichloroethene	7.6		1.2
67-66-3	Chloroform		U	1.2
563-58-6	1,1-Dichloropropene		U	1.2
107-06-2	1,2-Dichloroethane		U	1.2
74-97-5	Bromochloromethane		U	1.2
71-55-6	1,1,1-Trichloroethane		U	1.2
56-23-5	Carbon Tetrachloride		U	1.2
74-95-3	Dibromomethane		U	1.2
75-27-4	Bromodichloromethane		U	1.2
78-87-5	1,2-Dichloropropane		U	1.2
10061-01-5	cis-1,3-Dichloropropene		U	1.2
79-01-6	Trichloroethene	76		1.2
71-43-2	Benzene		U	1.2
142-28-9	1,3-Dichloropropane		U	1.2
124-48-1	Dibromochloromethane		U	1.2
10061-02-6	trans-1,3-Dichloropropene		U	1.2
79-00-5	1,1,2-Trichloroethane		U	1.2
106-93-4	1,2-Dibromoethane (EDB)		U	1.2
75-25-2	Bromoform		U	1.2
127-18-4	Tetrachloroethene		U	1.2
630-20-6	1,1,1,2-Tetrachloroethane		U	1.2
108-88-3	Toluene		U	1.2
108-90-7	Chlorobenzene		U	1.2
100-41-4	Ethylbenzene		U	1.2
100-42-5	Styrene		U	1.2
108-38-3	m,p-Xylene		U	1.2
95-47-6	o-Xylene		U	1.2
96-18-4	1,2,3-Trichloropropane		U	1.2

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-01(1'-2')

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-008

Sample wt/vol: 5.0 (g/ml) G Lab File ID: XS115.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.9 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	1.2
108-86-1	Bromobenzene		U	1.2
103-65-1	n-Propylbenzene		U	1.2
79-34-5	1,1,2,2-Tetrachloroethane		U	1.2
95-49-8	2-Chlorotoluene		U	1.2
106-43-4	4-Chlorotoluene		U	1.2
108-67-8	1,3,5-Trimethylbenzene		U	1.2
98-06-6	tert-Butylbenzene		U	1.2
95-63-6	1,2,4-Trimethylbenzene		U	1.2
135-98-8	sec-Butylbenzene		U	1.2
541-73-1	1,3-Dichlorobenzene		U	1.2
99-87-6	p-Isopropyltoluene		U	1.2
106-46-7	1,4-Dichlorobenzene		U	1.2
95-50-1	1,2-Dichlorobenzene		U	1.2
104-51-8	n-Butylbenzene		U	1.2
96-12-8	1,2-Dibromo-3-chloropropane		U	1.2
87-68-3	Hexachlorobutadiene		U	1.2
120-82-1	1,2,4-Trichlorobenzene		U	1.2
91-20-3	Naphthalene		U	1.2
87-61-6	1,2,3-Trichlorobenzene		U	1.2

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-02-01(1'-2')

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-008

Sample wt/vol: 5.0 (g/ml) G Lab File ID: XS115.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 17.9 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	7.68	22	

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-17(9"-1.5'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-009

Sample wt/vol: 5.0 (g/ml) G Lab File ID: XS116.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 16.6 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	1.2
74-87-3	Chloromethane		U	1.2
74-83-9	Bromomethane		U	1.2
75-01-4	Vinyl Chloride		U	1.2
75-00-3	Chloroethane		U	1.2
75-69-4	Trichlorofluoromethane		U	1.2
75-09-2	Methylene Chloride	9.7		1.2
75-35-4	1,1-Dichloroethene	1.9		1.2
75-34-4	1,1-Dichloroethane	1.1	J	1.2
590-20-7	2,2-Dichloropropane		U	1.2
156-60-5	trans-1,2-Dichloroethylene		U	1.2
540-59-0	cis-1,2-Dichloroethene	18		1.2
67-66-3	Chloroform		U	1.2
563-58-6	1,1-Dichloropropene		U	1.2
107-06-2	1,2-Dichloroethane		U	1.2
74-97-5	Bromochloromethane		U	1.2
71-55-6	1,1,1-Trichloroethane	2.7		1.2
56-23-5	Carbon Tetrachloride		U	1.2
74-95-3	Dibromomethane		U	1.2
75-27-4	Bromodichloromethane		U	1.2
78-87-5	1,2-Dichloropropane		U	1.2
10061-01-5	cis-1,3-Dichloropropene		U	1.2
79-01-6	Trichloroethene	81		1.2
71-43-2	Benzene		U	1.2
142-28-9	1,3-Dichloropropane		U	1.2
124-48-1	Dibromochloromethane		U	1.2
10061-02-6	trans-1,3-Dichloropropene		U	1.2
79-00-5	1,1,2-Trichloroethane		U	1.2
106-93-4	1,2-Dibromoethane (EDB)		U	1.2
75-25-2	Bromoform		U	1.2
127-18-4	Tetrachloroethene	0.7	J	1.2
630-20-6	1,1,1,2-Tetrachloroethane		U	1.2
108-88-3	Toluene		U	1.2
108-90-7	Chlorobenzene		U	1.2
100-41-4	Ethylbenzene		U	1.2
100-42-5	Styrene		U	1.2
108-38-3	m,p-Xylene		U	1.2
95-47-6	o-Xylene		U	1.2
96-18-4	1,2,3-Trichloropropane		U	1.2

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-02-17(9"-1.5'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-009

Sample wt/vol: 5.0 (g/ml) G Lab File ID: XS116.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 16.6 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	1.2
108-86-1	Bromobenzene		U	1.2
103-65-1	n-Propylbenzene		U	1.2
79-34-5	1,1,2,2-Tetrachloroethane		U	1.2
95-49-8	2-Chlorotoluene		U	1.2
106-43-4	4-Chlorotoluene		U	1.2
108-67-8	1,3,5-Trimethylbenzene		U	1.2
98-06-6	tert-Butylbenzene		U	1.2
95-63-6	1,2,4-Trimethylbenzene		U	1.2
135-98-8	sec-Butylbenzene		U	1.2
541-73-1	1,3-Dichlorobenzene		U	1.2
99-87-6	p-Isopropyltoluene		U	1.2
106-46-7	1,4-Dichlorobenzene		U	1.2
95-50-1	1,2-Dichlorobenzene		U	1.2
104-51-8	n-Butylbenzene		U	1.2
96-12-8	1,2-Dibromo-3-chloropropane		U	1.2
87-68-3	Hexachlorobutadiene		U	1.2
120-82-1	1,2,4-Trichlorobenzene		U	1.2
91-20-3	Naphthalene		U	1.2
87-61-6	1,2,3-Trichlorobenzene		U	1.2

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-02-17(9"-1.5'

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-009

Sample wt/vol: 5.0 (g/ml) G Lab File ID: XS116.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 16.6 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	7.67	29	

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-012

Sample wt/vol: 5.08 (g/ml) G Lab File ID: X8828.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 16.9 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	1.2
74-87-3	Chloromethane		U	1.2
74-83-9	Bromomethane		U	1.2
75-01-4	Vinyl Chloride		U	1.2
75-00-3	Chloroethane		U	1.2
75-69-4	Trichlorofluoromethane		U	1.2
75-09-2	Methylene Chloride	3.8	J	1.2
75-35-4	1,1-Dichloroethene		U	1.2
75-34-4	1,1-Dichloroethane		U	1.2
590-20-7	2,2-Dichloropropane		U	1.2
156-60-5	trans-1,2-Dichloroethylene		U	1.2
540-59-0	cis-1,2-Dichloroethene	29	J	1.2
67-66-3	Chloroform		U	1.2
563-58-6	1,1-Dichloropropene		U	1.2
107-06-2	1,2-Dichloroethane		U	1.2
74-97-5	Bromochloromethane		U	1.2
71-55-6	1,1,1-Trichloroethane		U	1.2
56-23-5	Carbon Tetrachloride		U	1.2
74-95-3	Dibromomethane		U	1.2
75-27-4	Bromodichloromethane		U	1.2
78-87-5	1,2-Dichloropropane		U	1.2
10061-01-5	cis-1,3-Dichloropropene		U	1.2
79-01-6	Trichloroethene	1300	E J	1.2
71-43-2	Benzene		U	1.2
142-28-9	1,3-Dichloropropane		U	1.2
124-48-1	Dibromochloromethane		U	1.2
10061-02-6	trans-1,3-Dichloropropene		U	1.2
79-00-5	1,1,2-Trichloroethane		U	1.2
106-93-4	1,2-Dibromoethane (EDB)		U	1.2
75-25-2	Bromoform		U	1.2
127-18-4	Tetrachloroethene	11	J	1.2
630-20-6	1,1,1,2-Tetrachloroethane		U	1.2
108-88-3	Toluene		U	1.2
108-90-7	Chlorobenzene		U	1.2
100-41-4	Ethylbenzene		U	1.2
100-42-5	Styrene		U	1.2
108-38-3	m,p-Xylene		U	1.2
95-47-6	o-Xylene		U	1.2
96-18-4	1,2,3-Trichloropropane		U	1.2

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-012

Sample wt/vol: 5.08 (g/ml) G Lab File ID: X8828.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 16.9 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	1.2
108-86-1	Bromobenzene		U	1.2
103-65-1	n-Propylbenzene		U	1.2
79-34-5	1,1,2,2-Tetrachloroethane		U	1.2
95-49-8	2-Chlorotoluene		U	1.2
106-43-4	4-Chlorotoluene		U	1.2
108-67-8	1,3,5-Trimethylbenzene		U	1.2
98-06-6	tert-Butylbenzene		U	1.2
95-63-6	1,2,4-Trimethylbenzene	1.2	J	1.2
135-98-8	sec-Butylbenzene		U	1.2
541-73-1	1,3-Dichlorobenzene		U	1.2
99-87-6	p-Isopropyltoluene		U	1.2
106-46-7	1,4-Dichlorobenzene		U	1.2
95-50-1	1,2-Dichlorobenzene		U	1.2
104-51-8	n-Butylbenzene		U	1.2
96-12-8	1,2-Dibromo-3-chloropropane		U	1.2
87-68-3	Hexachlorobutadiene		U	1.2
120-82-1	1,2,4-Trichlorobenzene		U	1.2
91-20-3	Naphthalene	1.9		1.2
87-61-6	1,2,3-Trichlorobenzene		U	1.2

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-012

Sample wt/vol: 5.08 (g/ml) G Lab File ID: X8828.D

Level: (low/med) LOW Date Received: 9/15/2004

% Moisture: not dec. 16.9 Date Analyzed: 9/25/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 5

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	7.69	36	
2.	C8H16 isomer	14.80	72	J
3.	C8H16 isomer	15.30	34	J
4.	Unknown CnH2n+2	26.04	13	J
5.	Unknown CnH2n+2	28.35	15	J

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPDL

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-012DL

Sample wt/vol: 4.1 (g/ml) G Lab File ID: X8884.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 16.9 Date Analyzed: 9/28/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane		U	150
74-87-3	Chloromethane		U	150
74-83-9	Bromomethane		U	150
75-01-4	Vinyl Chloride		U	150
75-00-3	Chloroethane		U	150
75-69-4	Trichlorofluoromethane		U	150
75-09-2	Methylene Chloride	110	JD	150
75-35-4	1,1-Dichloroethene		U	150
75-34-4	1,1-Dichloroethane		U	150
590-20-7	2,2-Dichloropropane		U	150
156-60-5	trans-1,2-Dichloroethylene		U	150
540-59-0	cis-1,2-Dichloroethene		U	150
67-66-3	Chloroform		U	150
563-58-6	1,1-Dichloropropene		U	150
107-06-2	1,2-Dichloroethane		U	150
74-97-5	Bromochloromethane		U	150
71-55-6	1,1,1-Trichloroethane		U	150
56-23-5	Carbon Tetrachloride		U	150
74-95-3	Dibromomethane		U	150
75-27-4	Bromodichloromethane		U	150
78-87-5	1,2-Dichloropropane		U	150
10061-01-5	cis-1,3-Dichloropropene		U	150
79-01-6	Trichloroethene	2100	D	150
71-43-2	Benzene		U	150
142-28-9	1,3-Dichloropropane		U	150
124-48-1	Dibromochloromethane		U	150
10061-02-6	trans-1,3-Dichloropropene		U	150
79-00-5	1,1,2-Trichloroethane		U	150
106-93-4	1,2-Dibromoethane (EDB)		U	150
75-25-2	Bromoform		U	150
127-18-4	Tetrachloroethene		U	150
630-20-6	1,1,1,2-Tetrachloroethane		U	150
108-88-3	Toluene		U	150
108-90-7	Chlorobenzene		U	150
100-41-4	Ethylbenzene		U	150
100-42-5	Styrene		U	150
108-38-3	m,p-Xylene	140	JD	150
95-47-6	o-Xylene		U	150
96-18-4	1,2,3-Trichloropropane		U	150

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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPDL

Lab Name: STL Newburgh Contract:

Lab Code: 10142 Case No.: SAS No.: SDG No.: 240476

Matrix: (soil/water) SOIL Lab Sample ID: 240476-012DL

Sample wt/vol: 4.1 (g/ml) G Lab File ID: X8884.D

Level: (low/med) MED Date Received: 9/15/2004

% Moisture: not dec. 16.9 Date Analyzed: 9/28/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	RESULT	Q	RL
98-82-8	Isopropylbenzene		U	150
108-86-1	Bromobenzene		U	150
103-65-1	n-Propylbenzene		U	150
79-34-5	1,1,2,2-Tetrachloroethane		U	150
95-49-8	2-Chlorotoluene		U	150
1634-04-4	MTBE		U	150
106-43-4	4-Chlorotoluene		U	150
108-67-8	1,3,5-Trimethylbenzene		U	150
98-06-6	tert-Butylbenzene		U	150
95-63-6	1,2,4-Trimethylbenzene		U	150
135-98-8	sec-Butylbenzene		U	150
541-73-1	1,3-Dichlorobenzene		U	150
99-87-6	p-Isopropyltoluene		U	150
106-46-7	1,4-Dichlorobenzene		U	150
95-50-1	1,2-Dichlorobenzene		U	150
104-51-8	n-Butylbenzene		U	150
96-12-8	1,2-Dibromo-3-chloropropane		U	150
87-68-3	Hexachlorobutadiene		U	150
120-82-1	1,2,4-Trichlorobenzene		U	150
91-20-3	Naphthalene	430	D	150
87-61-6	1,2,3-Trichlorobenzene		U	150

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Newburgh, NY 12550
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Fax (845) 562-0841

ATTACHMENT 3

DATA VALIDATION REPORTS

ALPHA
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Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

March 8, 2005

Mr. Matthew Bell
Delta Environmental Consultants, Inc.
9 Corporate Drive
Clifton Park, New York 12065

Re: Data Validation Report
Steel Treaters, Troy, New York
Ground Water Sampling, February 2005

Dear Mr. Bell:

The data usability summary report (DUSR) and QA/QC review are attached to this letter for the Steel Treaters, Troy, New York, February 2005 ground water sampling event. The data for STL Newburgh, STL Lab No. 245184, were acceptable with some issues that are identified and discussed in the validation summary. The data pack did not contain data that were qualified unusable (R).

A list of data validation acronyms and qualifiers is attached to assist you in interpreting the data validation reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for this opportunity to assist Delta Environmental Consultants, Inc.

Sincerely,
Alpha Environmental Consultants, Inc.

Donald Anné

Donald Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.

J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

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Sampling Plans

Data Usability Summary Report for
STL Newburgh, STL Lab No. 245184

Ground Water Samples
Collected February 9, 2005

Prepared by: Donald Anné
March 8, 2005

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile analyses.

The overall performances of the analyses are acceptable. STL Newburgh did fulfill the requirements of method 8260B for volatiles. The samples were prepared and analyzed within SW-846 holding times.

The data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The methylene chloride result for sample MW-2 was flagged as "not detected" (U) because the level reported in the sample was not significantly greater than (more than 10 times) the associated trip blank level.

- The trichloroethene result for sample TRIP BLANK was flagged as "not detected" (U) because the level reported in the sample was not significantly greater than (more than 5 times) the associated method blank level.

- Positive volatile results for samples MW-7, DUPLICATE, and TRIP BLANK were flagged as "estimated" because one of three surrogate recoveries was above control limits.

- There were volatile results for some compounds in the following samples that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted samples were qualified as estimates (J):

  MW-3 MW-10 MW-2 MW-7 DUPLICATE

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No data that were rejected (R) in this data pack. The data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

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Environmental Chemistry
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QA/QC Review of Volatiles Data
for STL Newburgh, STL Lab No. 245184

Ground Water Samples
Collected February 9, 2005

Prepared by: Donald Anné
March 8, 2005

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits, per method 8260B.

The average RRF for target compounds were above the allowable minimum (0.050), as required. The %RSD for naphthalene (33.65%) was above the allowable maximum (30%) on 02-10-05. Positive results for naphthalene should be considered estimates (J).

Continuing Calibration: The SPCCs and CCCs were within control limits, per method 8260B.

The CCRFs for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

Blanks: Method blank VBLK020 contained a trace of trichloroethene (0.7 ug/L). The trip blank contained a trace of methylene chloride (0.92 ug/L). Results for methylene chloride that are less than ten times the highest blank level should be reported as not detected (U) in associated samples. Results for trichlorothene that are less than five times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard retention times were within control limits. One of four internal standard areas (IS2) for sample DUPLICATE was outside control limits. Results for sample DUPLICATE that are quantitated using internal standard IS2 should be considered estimates (J).

Surrogate Recovery: One of 3 surrogate recoveries for samples MW-7, DUPLICATE, and TRIP BLANK were above control limits. Positive results for samples MW-7, DUPLICATE, and TRIP BLANK should be considered estimates (J).

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Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and percent recoveries were within control limits for MS/MSD sample MW-1.

Blank Spike Recovery: The percent recoveries were within QC limits for samples VBSPK024, VBSPK018, VBSPK020, and VBSPK021.

Field Duplicate: The relative percent differences for compounds detected in both samples were below the allowable maximum (50%) for field duplicates MW-7 and DUPLICATE.

Compound ID: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were volatile results for the following samples that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.

MW-3 MW-10 MW-2 MW-7 DUPLICATE

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. 245184

S1= MW-7 **S2=** DUPLICATE

Analyte	S1	S2	RPD (%)
vinyl chloride	54	55	1.8%
1,1-dichloroethene	**8200**	**6600**	21.6%
methylene chloride	140	150	6.9%
trans-1,2-dichloroethene	31	35	12.1%
1,1-dichloroethane	1500	1800	18.2%
cis-1,2-dichloroethene	3100	3500	12.1%
chloroform	46	47	2.2%
1,1,1-trichloroethane	**23000**	**18000**	24.4%
benzene	7.2	7.4	2.7%
1,2-dichloroethane	420	450	6.9%
trichloroethene	**150000**	**120000**	22.2%
toluene	230	230	0.0%
1,1,2-trichloroethane	160	170	6.1%
tetrachloroethene	350	350	0.0%
chlorobenzene	0.68	0.64	6.1%
1,1,1,2-tetrachloroethane	15	14	6.9%
ethylbenzene	11	11	0.0%
m&p-xylenes	36	33	8.7%
o-xylene	14	13	7.4%
isopropylbenzene	0.55	0.54	1.8%
1,1,2,2-tetrachloroethane	3.9	3.8	2.6%
n-propylbenzene	0.73	0.70	4.2%
1,3,5-trimethylbenzene	1.2	1.3	8.0%
1,2,4-trimethylbenzene	3.2	3.3	3.1%
naphthalene	1.0	0.99	1.0%

Bold results are from the diluted analyses, all others are from the undiluted samples.

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Sampling Plans

October 27, 2004

Mr. Matthew Bell
Delta Environmental Consultants, Inc.
9 Corporate Drive
Clifton Park, New York 12065

Re: Data Validation Report
Steel Treaters, Troy, NY
Soil Sampling, September 2004

Dear Mr. Bell:

The data usability summary report (DUSR) and QA/QC review are attached to this letter for Steel Treaters, Troy, NY, September 2004 soil sampling. The data for STL Newburgh, STL Lab No. 240476, were acceptable with some issues that are identified and discussed in the validation summary. The data pack did not contain data that were qualified unusable (R).

A list of data validation acronyms and qualifiers is attached to assist you in interpreting the data validation reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for this opportunity to assist Delta Environmental Consultants, Inc.

Sincerely,
Alpha Environmental Consultants, Inc.

Donald Anné

Donald Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.

J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

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Data Usability Summary Report for
STL Newburgh, STL Lab No. 240476

Soil Samples
Collected September 13 and 14, 2004

Prepared by: Donald Anné
October 27, 2004

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile analyses.

The overall performances of the analyses are acceptable. STL Newburgh did fulfill the requirements of method 8260B for volatiles. The samples were prepared and analyzed within SW-846 holding times.

The data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- Volatile results for samples TB-02-10(13'-15'), TB-02-19(10-12.5), and TB-02-18(10'-12') were flagged as "estimated" because surrogate recoveries were outside control limits.

- There were volatile results for some compounds in the following samples that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted samples were qualified as estimates (J):

TB-02-10(13'-15')	TB-02-04(13'-15')	TB-02-21(10'-12')
TB-02-19(10-12.5)	TB-02-20(11'-13')	TB-02-18(3'-5')
DUP		

- Volatile results for sample TB-02-20(11'-13') were flagged as "estimated" because two of two internal standard areas were outside control limits.

- Volatile results for methylene chloride, cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene in field duplicate samples TB-02-18(3'-5') and DUP were flagged as "estimates" because the relative percent differences were greater than 100%.

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No data that were rejected (R) in this data pack. The data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

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QA/QC Review of Volatiles Data
for STL Newburgh, STL Lab No. 240476

Soil Samples
Collected September 13 and 14, 2004

Prepared by: Donald Anné
October 27, 2004

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits, per method 8260B.

The average RRF for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits, per method 8260B.

The CCRFs for target compounds were above the allowable minimum (0.050), as required. The %D for isopropylbenzene (25.5%) was above the allowable maximum (25%) on 09-24-04 (XS102.D). The %D for bromomethane (31.6%) was above the allowable maximum (25%) on 09-27-04 (XS129.D). The %D for bromomethane (26.2%) was above the allowable maximum (25%) on 09-28-04 (XS130.D). Results for these two compounds should be considered estimates (J) in associated samples.

Blanks: Method blank VMBLKB027 contained a trace of methylene chloride (0.7 ug/L). Results for methylene chloride that are less than ten times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard retention times were within control limits. One of two internal standard areas (IS2) for samples TB-02-10(13'-15') and TB-02-18(10'-12') was outside control limits. Two of two internal standard areas (IS1, IS2) for samples TB-02-19(10'-12.5') and TB-02-20(11'-13') were outside control limits. Results for these samples that are quantitated using internal standards with areas outside control limts should be considered estimates (J).

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Surrogate Recovery: One of 3 surrogate recoveries for sample TB-02-10(13'-15') was below control limits, but was above 10%. Two of 3 surrogate recoveries for samples TB-02-19(10-12.5) and TB-02-18(10'-12') were outside control limits, but were greater than 10%. Results for the above samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: One of 5 relative percent differences was above the allowable maximum and 6 of 10 %Rs (percent recoveries) were outside control limits for MS/MSD sample TB-02-18(10'-12.5'). No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for samples VBSPK024, VBSPK025, VBSPK027, and VBSPK028.

Field Duplicate: The relative percent differences for methylene chloride (143.3%), cis-1,2-dichloroethene (122.2%), trichloroethene (101.1%), and tetrachloroethene (104.4%) were above the allowable maximum (100%) for field duplicates TB-02-18(3'-5') and DUP. Results for these compounds in samples TB-02-18(3'-5') and DUP should be considered estimates (J).

Compound ID: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were volatile results for the following samples that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds:

TB-02-10(13'-15')	TB-02-04(13'-15')	TB-02-21(10'-12')
TB-02-19(10-12.5) DUP	TB-02-20(11'-13')	TB-02-18(3'-5')

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. 240476

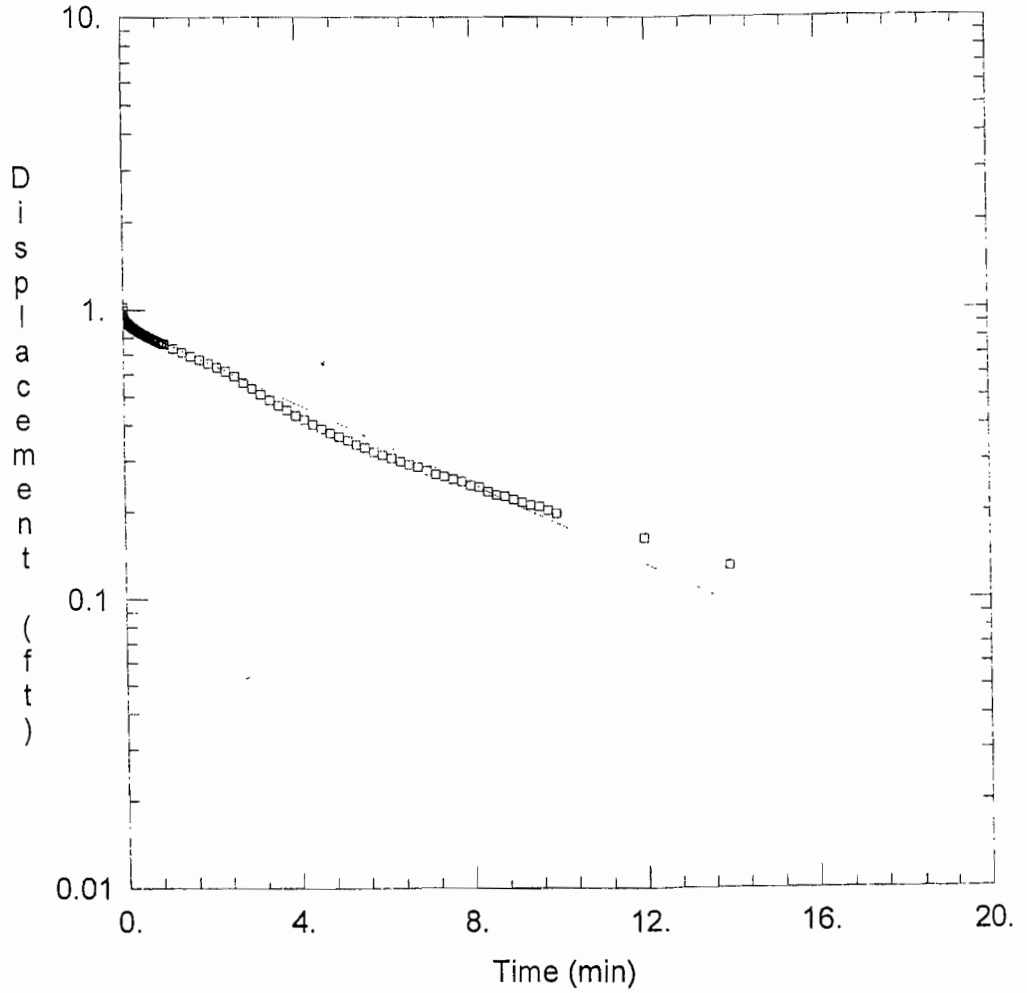
S1= TB-02-18(3'-5') **S2=** DUP

Analyte	S1	S2	RPD (%)
methylene chloride	23	3.8	143.3%
cis-1,2-dichloroethene	120	29	122.1%
trichloroethene	690	2100	101.1%
tetrachloroethene	35	11	104.3%
1,2,4-trimethylbenzene	3.1	**1.2**	88.4%
naphthalene	4.7	1.9	84.8%

Numbers in bold represents reported results below the low standard, but above the MDL

ATTACHMENT 4

HYDRAULIC CONDUCTIVITY TEST RESULTS (RAW DATA)



MW-1 SLUG TEST

Data Set: Z:\projects\2004\04100-04120\04100-Steel Treaters\Phase II\slug tests\MW-1.aqt
Date: 04/07/05 Time: 13:38:51

PROJECT INFORMATION

Company: Delta Environmental
Client: Steel Treaters
Project: 0209003P
Test Location: Troy, NY
Test Well: MW-1
Test Date: 3/6/05

AQUIFER DATA

Saturated Thickness: 18.15 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW 1)

Initial Displacement: 1.018 ft
Wellbore Radius: 0.177 ft
Screen Length: 15. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.08 ft
Well Skin Radius: 0.177 ft
Total Well Penetration Depth: 18.15 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 6.121E-05 cm/sec y0 = 0.8947 ft

Data Set: Z:\projects\2004\04100-04120\04100-Steel Treaters\Phase II\slug tests\MW-1.aqt
Title: MW-1 Slug Test
Date: 04/07/05
Time: 13:38:01

PROJECT INFORMATION

Company: Delta Environmental
Client: Steel Treaters
Project: 0209003P
Location: Troy, NY
Test Date: 3/6/05
Test Well: MW-1

AQUIFER DATA

Saturated Thickness: 18.15 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Initial Displacement: 1.018 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.177 ft
Well Skin Radius: 0.177 ft
Screen Length: 15. ft
Total Well Penetration Depth: 18.15 ft
Gravel Pack Porosity: 0.3

No. of observations: 172

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	1.018	0.19	0.875	0.81	0.775
0.	0.	0.1934	0.875	0.8267	0.772
0.0034	1.016	0.1967	0.872	0.8434	0.769
0.0067	0.994	0.2	0.872	0.86	0.769
0.01	0.953	0.2034	0.872	0.8767	0.767
0.0134	0.913	0.2067	0.872	0.8934	0.764
0.0167	0.888	0.21	0.869	0.91	0.764
0.02	0.891	0.2134	0.869	0.9267	0.761
0.0234	0.91	0.2167	0.869	0.9434	0.758
0.0267	0.934	0.22	0.869	1.143	0.734
0.03	0.945	0.2234	0.867	1.343	0.712
0.0334	0.94	0.2267	0.867	1.543	0.691
0.0367	0.926	0.23	0.867	1.743	0.672
0.04	0.91	0.2334	0.867	1.943	0.653
0.0434	0.902	0.2367	0.864	2.143	0.634
0.0467	0.905	0.24	0.864	2.343	0.615
0.05	0.913	0.2434	0.864	2.543	0.591
0.0534	0.918	0.2467	0.864	2.743	0.561
0.0567	0.918	0.25	0.861	2.943	0.536
0.06	0.915	0.2534	0.861	3.143	0.512
0.0634	0.91	0.2567	0.861	3.343	0.49

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.0667	0.905	0.26	0.861	3.543	0.469
0.07	0.902	0.2634	0.861	3.743	0.452
0.0734	0.905	0.2667	0.859	3.943	0.433
0.0767	0.905	0.27	0.859	4.143	0.42
0.08	0.907	0.2734	0.856	4.343	0.404
0.0834	0.905	0.2767	0.859	4.543	0.39
0.0867	0.905	0.2934	0.853	4.743	0.377
0.09	0.899	0.31	0.85	4.943	0.366
0.0934	0.896	0.3267	0.848	5.143	0.355
0.0967	0.896	0.3434	0.842	5.343	0.344
0.1	0.896	0.36	0.84	5.543	0.336
0.1034	0.899	0.3767	0.84	5.743	0.325
0.1067	0.896	0.3934	0.834	5.943	0.317
0.11	0.894	0.41	0.831	6.143	0.309
0.1134	0.894	0.4267	0.829	6.343	0.301
0.1167	0.894	0.4434	0.826	6.543	0.293
0.12	0.894	0.46	0.823	6.743	0.287
0.1234	0.891	0.4767	0.821	6.943	0.279
0.1267	0.888	0.4934	0.818	7.143	0.271
0.13	0.891	0.51	0.818	7.343	0.266
0.1334	0.888	0.5267	0.813	7.543	0.26
0.1367	0.888	0.5434	0.81	7.743	0.255
0.14	0.888	0.56	0.807	7.943	0.247
0.1434	0.886	0.5767	0.804	8.143	0.244
0.1467	0.886	0.5934	0.804	8.343	0.236
0.15	0.883	0.61	0.802	8.543	0.23
0.1534	0.883	0.6267	0.799	8.743	0.228
0.1567	0.883	0.6434	0.796	8.943	0.222
0.16	0.88	0.66	0.796	9.143	0.217
0.1634	0.88	0.6767	0.791	9.343	0.212
0.1667	0.88	0.6934	0.791	9.543	0.209
0.17	0.88	0.71	0.788	9.743	0.203
0.1734	0.88	0.7267	0.785	9.943	0.198
0.1767	0.878	0.7434	0.783	11.94	0.163
0.18	0.878	0.76	0.78	13.94	0.13
0.1834	0.875	0.7767	0.78		
0.1867	0.875	0.7934	0.777		

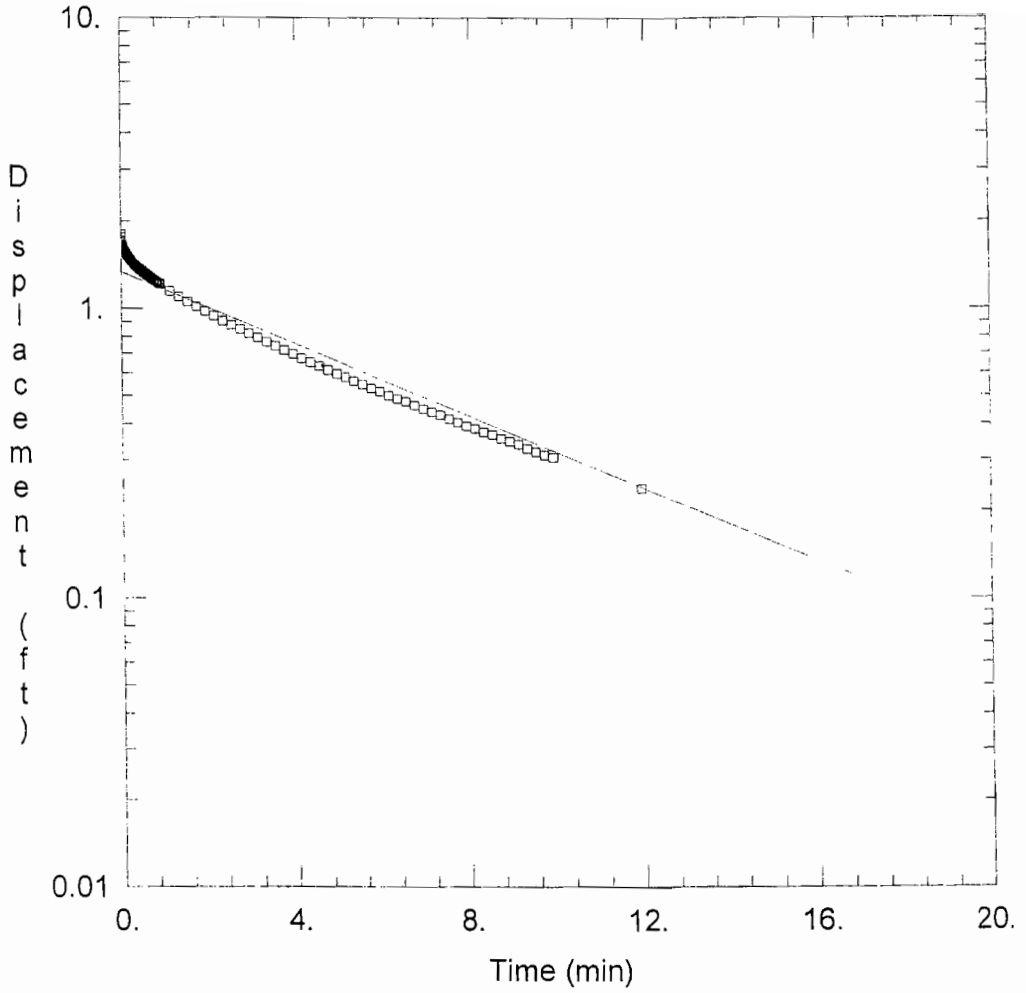
SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	6.121E-05	cm/sec
y0	0.8947	ft



MW-2 SLUG TEST

Data Set:
Date: 04/07/05 Time: 13:29:44

PROJECT INFORMATION

Company: Delta Environmental
Client: Steel Treaters
Project: 0209003P
Test Location: Troy, NY
Test Well: MW-2
Test Date: 4/6/05

AQUIFER DATA

Saturated Thickness: 17.43 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW 2)

Initial Displacement: 1.804 ft
Wellbore Radius: 0.177 ft
Screen Length: 15. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.08 ft
Well Skin Radius: 0.177 ft
Total Well Penetration Depth: 17.43 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 5.462E-05 cm/sec
y0 = 1.336 ft

Data Set:
Title: MW-2 Slug Test
Date: 04/07/05
Time: 13:29:59

PROJECT INFORMATION

Company: Delta Environmental
Client: Steel Treaters
Project: 0209003P
Location: Troy, NY
Test Date: 4/6/05
Test Well: MW-2

AQUIFER DATA

Saturated Thickness: 17.43 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Initial Displacement: 1.804 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.177 ft
Well Skin Radius: 0.177 ft
Screen Length: 15. ft
Total Well Penetration Depth: 17.43 ft
Gravel Pack Porosity: 0.3

No. of observations: 163

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	0.	0.18	1.5	0.8167	1.238
0.	1.804	0.1833	1.497	0.8333	1.232
0.0033	1.76	0.1867	1.495	0.85	1.229
0.0067	1.714	0.19	1.492	0.8667	1.224
0.01	1.663	0.1933	1.492	0.8833	1.219
0.0133	1.638	0.1967	1.489	0.9	1.216
0.0167	1.638	0.2	1.487	0.9167	1.21
0.02	1.655	0.2033	1.484	1.117	1.148
0.0233	1.665	0.2067	1.481	1.317	1.099
0.0267	1.663	0.21	1.481	1.517	1.053
0.03	1.652	0.2133	1.479	1.717	1.015
0.0333	1.636	0.2167	1.476	1.917	0.978
0.0367	1.625	0.22	1.473	2.117	0.942
0.04	1.619	0.2233	1.47	2.317	0.907
0.0433	1.619	0.2267	1.468	2.517	0.877
0.0467	1.619	0.23	1.468	2.717	0.848
0.05	1.617	0.2333	1.465	2.917	0.818
0.0533	1.614	0.2367	1.465	3.117	0.791
0.0567	1.609	0.24	1.462	3.317	0.766
0.06	1.603	0.2433	1.46	3.517	0.742
0.0633	1.598	0.2467	1.457	3.717	0.718
0.0667	1.595	0.25	1.457	3.917	0.696
0.07	1.592	0.2667	1.446	4.117	0.674

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.0733	1.59	0.2833	1.435	4.317	0.653
0.0767	1.587	0.3	1.427	4.517	0.634
0.08	1.584	0.3167	1.419	4.717	0.615
0.0833	1.579	0.3333	1.411	4.917	0.596
0.0867	1.576	0.35	1.403	5.117	0.58
0.09	1.573	0.3667	1.397	5.317	0.563
0.0933	1.571	0.3833	1.389	5.517	0.547
0.0967	1.568	0.4	1.381	5.717	0.531
0.1	1.563	0.4167	1.376	5.917	0.517
0.1033	1.56	0.4333	1.368	6.117	0.501
0.1067	1.56	0.45	1.362	6.317	0.488
0.11	1.554	0.4667	1.354	6.517	0.477
0.1133	1.552	0.4833	1.349	6.717	0.463
0.1167	1.549	0.5	1.343	6.917	0.45
0.12	1.546	0.5167	1.335	7.117	0.439
0.1233	1.544	0.5333	1.33	7.317	0.428
0.1267	1.541	0.55	1.324	7.517	0.415
0.13	1.538	0.5667	1.319	7.717	0.404
0.1333	1.535	0.5833	1.311	7.917	0.393
0.1367	1.533	0.6	1.305	8.117	0.385
0.14	1.53	0.6167	1.3	8.317	0.374
0.1433	1.527	0.6333	1.294	8.517	0.366
0.1467	1.525	0.65	1.289	8.717	0.355
0.15	1.522	0.6667	1.284	8.917	0.347
0.1533	1.519	0.6833	1.278	9.117	0.339
0.1567	1.516	0.7	1.273	9.317	0.328
0.16	1.514	0.7167	1.267	9.517	0.32
0.1633	1.511	0.7333	1.262	9.717	0.312
0.1667	1.508	0.75	1.256	9.917	0.306
0.17	1.506	0.7667	1.254	11.92	0.239
0.1733	1.506	0.7833	1.248		
0.1767	1.503	0.8	1.243		

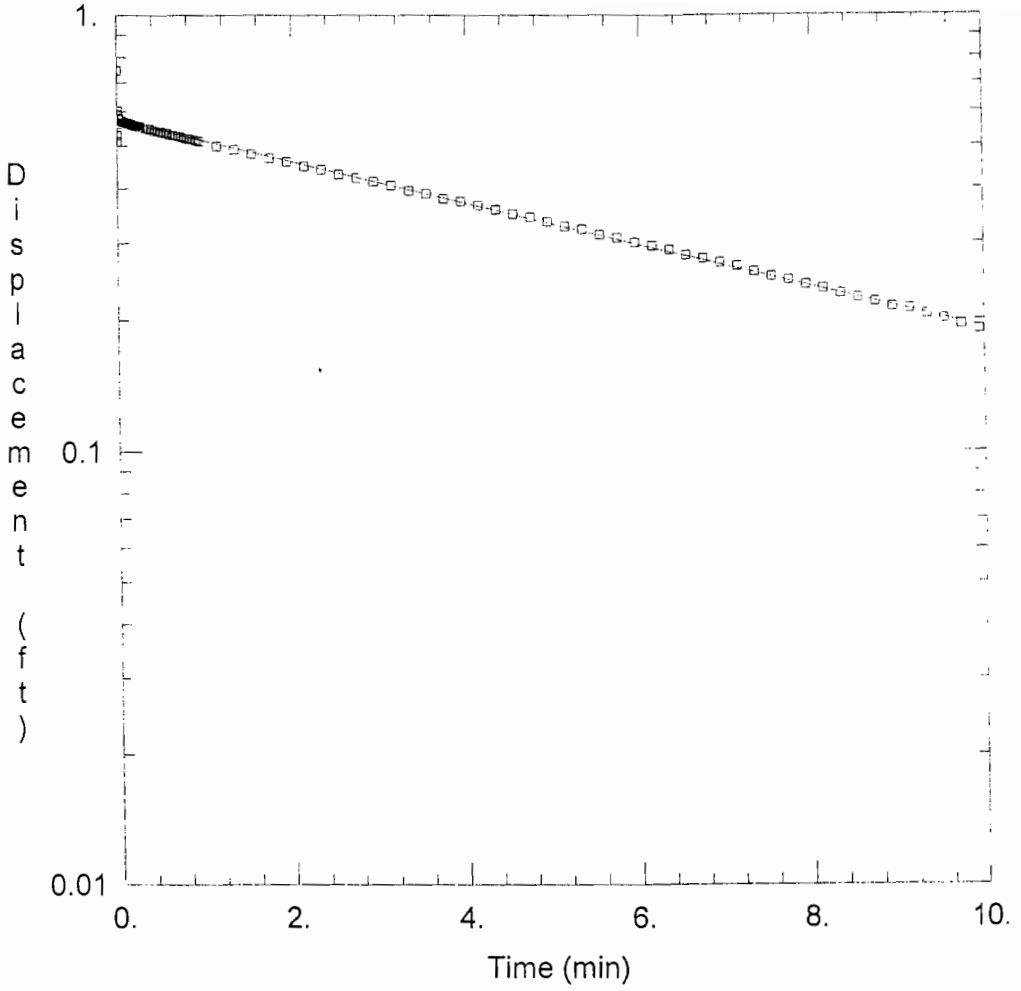
SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	5.462E-05	cm/sec
y0	1.336	ft



MW-8 SLUG TEST

Data Set: Z:\projects\2004\04100-04120\04100-Steel Treaters\Phase II\slug tests\MW-8.aqt
Date: 04/08/05 Time: 09:51:34

PROJECT INFORMATION

Company: Delta Environmental
Client: Steel Treaters
Project: 0209003P
Test Location: Troy, NY
Test Well: MW-8
Test Date: 3/6/05

AQUIFER DATA

Saturated Thickness: 7.81 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW 1)

Initial Displacement: 0.748 ft
Wellbore Radius: 0.177 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.08 ft
Well Skin Radius: 0.177 ft
Total Well Penetration Depth: 7.81 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 9.901E-05 cm/sec
y0 = 0.5725 ft

Data Set: Z:\projects\2004\04100-04120\04100-Steel Treaters\Phase II\slug tests\MW-8.aqt
Title: MW-8 SLUG TEST
Date: 04/08/05
Time: 09:51:23

PROJECT INFORMATION

Company: Delta Environmental
Client: Steel Treaters
Project: 0209003P
Location: Troy, NY
Test Date: 3/6/05
Test Well: MW-8

AQUIFER DATA

Saturated Thickness: 7.81 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Initial Displacement: 0.748 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.177 ft
Well Skin Radius: 0.177 ft
Screen Length: 5. ft
Total Well Penetration Depth: 7.81 ft
Gravel Pack Porosity: 0.3

No. of observations: 170

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	0.	0.1867	0.558	0.7767	0.523
0.	0.748	0.19	0.558	0.7934	0.52
0.0034	0.745	0.1934	0.558	0.81	0.52
0.0067	0.529	0.1967	0.558	0.8267	0.518
0.01	0.512	0.2	0.558	0.8434	0.518
0.0134	0.602	0.2034	0.558	0.86	0.518
0.0167	0.591	0.2067	0.556	0.8767	0.518
0.02	0.561	0.21	0.556	0.8934	0.515
0.0234	0.575	0.2134	0.558	0.91	0.515
0.0267	0.58	0.2167	0.556	0.9267	0.515
0.03	0.572	0.22	0.556	0.9434	0.512
0.0334	0.572	0.2234	0.556	1.143	0.499
0.0367	0.575	0.2267	0.556	1.343	0.491
0.04	0.572	0.23	0.556	1.543	0.48
0.0434	0.572	0.2334	0.556	1.743	0.469
0.0467	0.572	0.2367	0.556	1.943	0.461
0.05	0.572	0.24	0.556	2.143	0.45
0.0534	0.572	0.2434	0.556	2.343	0.442
0.0567	0.572	0.2467	0.556	2.543	0.431
0.06	0.569	0.25	0.556	2.743	0.423
0.0634	0.569	0.2534	0.553	2.943	0.415
0.0667	0.569	0.2567	0.553	3.143	0.407
0.07	0.569	0.26	0.553	3.343	0.396

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.0734	0.569	0.2634	0.553	3.543	0.39
0.0767	0.569	0.2667	0.553	3.743	0.379
0.08	0.569	0.27	0.553	3.943	0.374
0.0834	0.566	0.2734	0.553	4.143	0.366
0.0867	0.566	0.2767	0.553	4.343	0.358
0.09	0.566	0.2934	0.55	4.543	0.35
0.0934	0.566	0.31	0.55	4.743	0.344
0.0967	0.566	0.3267	0.547	4.943	0.336
0.1	0.566	0.3434	0.547	5.143	0.328
0.1034	0.566	0.36	0.547	5.343	0.323
0.1067	0.566	0.3767	0.545	5.543	0.314
0.11	0.566	0.3934	0.545	5.743	0.309
0.1134	0.566	0.41	0.542	5.943	0.301
0.1167	0.564	0.4267	0.542	6.143	0.296
0.12	0.564	0.4434	0.542	6.343	0.29
0.1234	0.564	0.46	0.539	6.543	0.282
0.1267	0.564	0.4767	0.539	6.743	0.277
0.13	0.564	0.4934	0.539	6.943	0.271
0.1334	0.564	0.51	0.537	7.143	0.266
0.1367	0.561	0.5267	0.537	7.343	0.258
0.14	0.564	0.5434	0.534	7.543	0.252
0.1434	0.564	0.56	0.534	7.743	0.247
0.1467	0.561	0.5767	0.534	7.943	0.241
0.15	0.561	0.5934	0.531	8.143	0.236
0.1534	0.561	0.61	0.531	8.343	0.23
0.1567	0.561	0.6267	0.531	8.543	0.225
0.16	0.561	0.6434	0.529	8.743	0.22
0.1634	0.561	0.66	0.529	8.943	0.214
0.1667	0.561	0.6767	0.529	9.143	0.212
0.17	0.561	0.6934	0.526	9.343	0.206
0.1734	0.558	0.71	0.526	9.543	0.201
0.1767	0.558	0.7267	0.526	9.743	0.195
0.18	0.558	0.7434	0.523	9.943	0.19
0.1834	0.558	0.76	0.523		

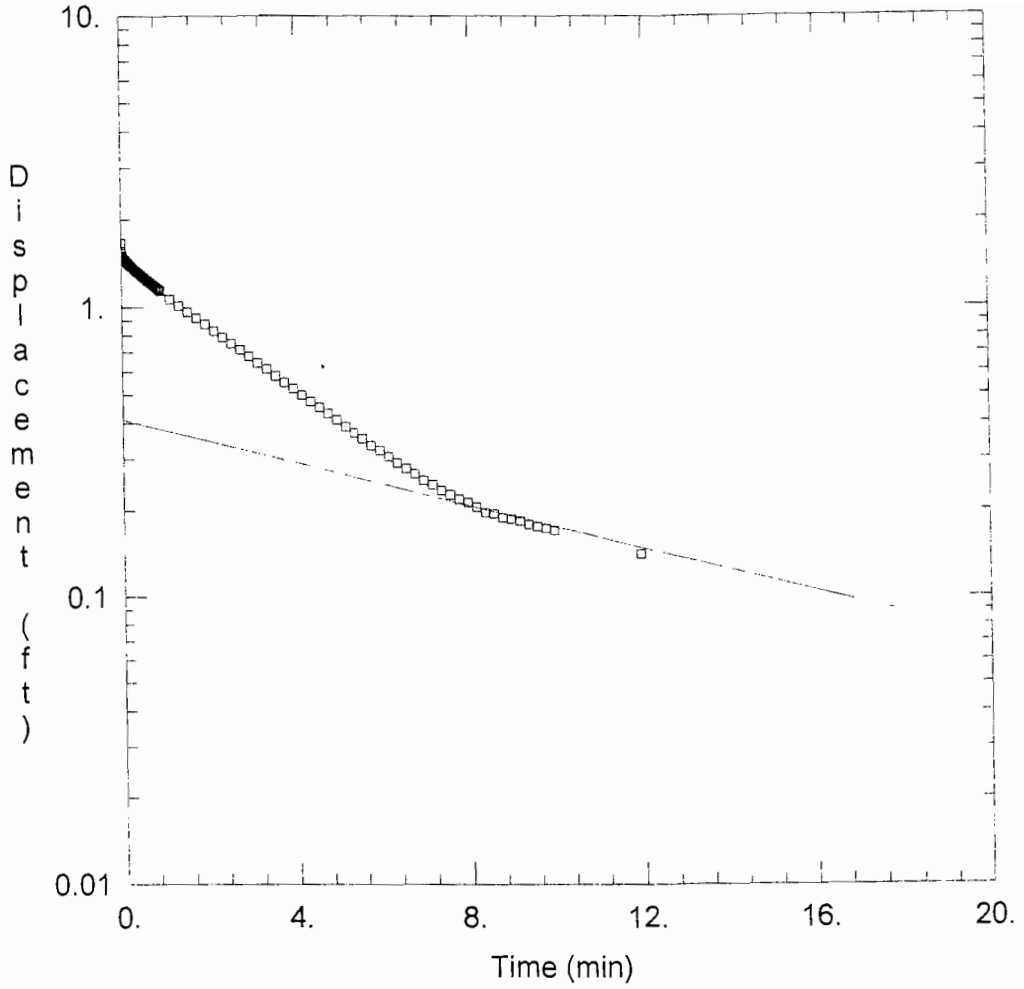
SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	9.901E-05	cm/sec
y0	0.5725	ft



MW-9 SLUG TEST

Data Set:
Date: 04/08/05 Time: 10:03:52

PROJECT INFORMATION

Company: Delta Environmental
Client: Steel Treaters
Project: 02009003P
Test Location: Troy, NY
Test Well: MW-9
Test Date: 3/6/05

AQUIFER DATA

Saturated Thickness: 15.7 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9)

Initial Displacement: 1.662 ft
Wellbore Radius: 0.177 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.08 ft
Well Skin Radius: 0.177 ft
Total Well Penetration Depth: 15.7 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 4.691E-05 cm/sec y0 = 0.4111 ft

Data Set:
Title: MW-9 SLUG TEST
Date: 04/08/05
Time: 10:04:04

PROJECT INFORMATION

Company: Delta Environmental
Client: Steel Treaters
Project: 02009003P
Location: Troy, NY
Test Date: 3/6/05
Test Well: MW-9

AQUIFER DATA

Saturated Thickness: 15.7 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Initial Displacement: 1.662 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.177 ft
Well Skin Radius: 0.177 ft
Screen Length: 10. ft
Total Well Penetration Depth: 15.7 ft
Gravel Pack Porosity: 0.3

No. of observations: 164

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	0.	0.18	1.404	0.8033	1.172
0.	1.662	0.1833	1.404	0.82	1.169
0.0033	1.556	0.1866	1.402	0.8366	1.161
0.0066	1.553	0.19	1.399	0.8533	1.158
0.01	1.534	0.1933	1.399	0.87	1.153
0.0133	1.494	0.1966	1.396	0.8866	1.147
0.0166	1.472	0.2	1.396	0.9033	1.142
0.02	1.475	0.2033	1.394	0.92	1.136
0.0233	1.488	0.2066	1.394	1.12	1.066
0.0266	1.499	0.21	1.391	1.32	1.012
0.03	1.502	0.2133	1.391	1.52	0.963
0.0333	1.494	0.2166	1.388	1.72	0.917
0.0366	1.486	0.22	1.388	1.92	0.874
0.04	1.478	0.2233	1.385	2.12	0.828
0.0433	1.472	0.2266	1.383	2.32	0.787
0.0466	1.472	0.23	1.383	2.52	0.749
0.05	1.475	0.2333	1.38	2.72	0.714
0.0533	1.472	0.2366	1.38	2.92	0.679
0.0566	1.472	0.24	1.377	3.12	0.644
0.06	1.469	0.2433	1.377	3.32	0.614
0.0633	1.467	0.2466	1.375	3.52	0.582
0.0666	1.464	0.25	1.375	3.72	0.555
0.07	1.459	0.2533	1.375	3.92	0.528

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.0733	1.459	0.27	1.364	4.12	0.5
0.0766	1.459	0.2866	1.358	4.32	0.476
0.08	1.456	0.3033	1.35	4.52	0.454
0.0833	1.453	0.32	1.345	4.72	0.433
0.0866	1.453	0.3366	1.337	4.92	0.411
0.09	1.45	0.3533	1.331	5.12	0.39
0.0933	1.45	0.37	1.326	5.32	0.371
0.0966	1.448	0.3866	1.318	5.52	0.354
0.1	1.442	0.4033	1.312	5.72	0.335
0.1033	1.442	0.42	1.307	5.92	0.322
0.1066	1.442	0.4366	1.302	6.12	0.306
0.11	1.442	0.4533	1.293	6.32	0.292
0.1133	1.44	0.47	1.288	6.52	0.279
0.1166	1.437	0.4866	1.283	6.72	0.268
0.12	1.434	0.5033	1.274	6.92	0.254
0.1233	1.434	0.52	1.269	7.12	0.246
0.1266	1.432	0.5366	1.264	7.32	0.235
0.13	1.429	0.5533	1.258	7.52	0.227
0.1333	1.429	0.57	1.253	7.72	0.219
0.1366	1.426	0.5866	1.245	7.92	0.214
0.14	1.423	0.6033	1.239	8.12	0.206
0.1433	1.423	0.62	1.234	8.32	0.197
0.1466	1.421	0.6366	1.228	8.52	0.195
0.15	1.421	0.6533	1.223	8.72	0.189
0.1533	1.418	0.67	1.218	8.92	0.187
0.1566	1.415	0.6866	1.212	9.12	0.184
0.16	1.415	0.7033	1.207	9.32	0.179
0.1633	1.413	0.72	1.201	9.52	0.176
0.1666	1.413	0.7366	1.196	9.72	0.173
0.17	1.41	0.7533	1.188	9.92	0.17
0.1733	1.407	0.77	1.185	11.92	0.141
0.1766	1.407	0.7866	1.177		

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	4.691E-05	cm/sec
y0	0.4111	ft