Sevenson Environmental Services, Inc.

November 11, 2005

Stephen J. DeNardis, P.E.
Resident Engineer
West Point Area Office
New York District
U.S. Army Corps of Engineers
Building 667A 3rd Floor
West Point, New York 10996

Attention: Mr. Lawrence Danner, P.E./ Raymond Schembri, P.E.

RE: Interim Soil Sampling Event #2 Report
Contract # DACA41-01-D-0001-0006
Vestal Wellfield 1-1, Area 4, Vestal, New York

Sirs:

Enclosed is the report for Interim Soil Sampling Event #2 for the referenced contract. This sampling event occurred over multiple dates: 8 September 2005, 21 September 2005, and 11 October 2005. This report discusses the sampling results as well as recommendations for well configuration. Copies of the analytical data and well logs are included.

Please email me at cmarshall@sevensonphilly.com or call at 610-388-0721 if you've any questions.

Sincerely,
Sevenson Environmental Services, Inc.

Cassandra T. Marshall
Project Manager

CTM/1

cc: R. Schembri (USACE)
A. LaGreca (Sevenson)
J. Singer (Sevenson)
D. Callahan (Envirogen)
B. Buckrucker (USACE)
F. Bales (USACE)
S. Trocher (USEPA)
M. Dunham (NYSDEC)

(716) 284-0431
2749 Lockport Road, Niagara Falls, New York 14305

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE (Read Instructions on the reverse side prior to initiating this form)	DATE 11/10/05	X New Submittal ☐ Resubmittal

Section 1 REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be initiated by the contractor)

TO:	FROM:	CONTRACT NO.	TRANSMITTAL NO.
USACE West Point Area Office New York District Building 667A 3rd Floor West Point, New York 10996	Sevenson Environmental Services Inc. 2749 Lockport Rd. Niagara Falls, N.Y. 14302	DACA-41-01-D-0001 T.O.# 0006	44 PREVIOUS TRANS. NO. (If Any)

SPECIFICATION SEC. NO. (Cover only one section with each transmittal)	PROJECT TITLE AND LOCATION: Vestal Well 1-1 Superfund Site, Area 2 Soil Vapor Extraction System, Broome County, New York

ITEM NO.	DESCRIPTION OF ITEMS SUBMITTED (Type, size, model number, etc.)	MFG. OR CONTR. CAT., CURVE DRAWING OR BROCHURE NO. (See instruction No. 8)	NO. OF COPIES	CONTRACT REFERENCE DOCUMENT		VARIATIONS (See instruction No. 6)	FOR C E USE CODE
				SPEC. PARA. NO.	DRAWING SHEET NO.		
a.	*b.*	*c.*	*d.*	*e.*	*f.*	*g.*	*h.*
1.	Interim Soil Sampling Report No. 2		1				

REMARKS:
Sent via Federal Express:
2 copies to CENWK
3 copies to USEPA Region II
1 copy to R. Schembri/L. Danner
1 copy to NYSDEC

I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as otherwise stated.

Cassandra L Marshall
NAME AND SIGNATURE OF CONTRACTOR
Sevenson Environmental Services, Inc

Section II APPROVAL ACTION

INCLOSURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY	DATE

ENG FORM 4025, Oct 84 (ER 415-1-10) EDITION OF JUL 81 IS OBSOLETE
(Proponent: CEEC-CE)

SHEET ____ OF ____

C:\Documents and Settings\marshall\My Documents\Vestal\Reports\Interim Soil Sampling 2\Transmittal to DeNardis Second Soil Sampling.wpd

INTERIM SOIL SAMPLING EVENT SUMMARY REPORT 2

FULL SCALE IN-SITU SOIL VAPOR EXTRACTION SYSTEM VESTAL AREA 4, VESTAL, NEW YORK

Prepared by:

ENVIROGEN/SHAW, INC.
103 College Ave SE
Grand Rapids, MI 49503

SEVENSON ENVIRONMENTAL SERVICES, INC.
2749 Lockport Road
Niagara Falls, New York 14305

November 10, 2005

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1.0 INTRODUCTION

The United States Army Corp of Engineers has contracted Sevenson Environmental Services, Inc. and Shaw E&I to perform a second Interim Soil-Remediation Field Sampling Investigation (Investigation) at Operable Unit 2 (OU2), Area 4 of the Vestal Well 1-1 Superfund Site (Site).

The Site is located at 210 Stage Road, in the Town of Vestal, Broome County, New York (Figure 1). All activities associated with this project are being coordinated with Sevenson Environmental Services, Inc. (Sevenson), United States Army Corps of Engineers (USACE), United States Environmental Protection Agency (USEPA), and the New York Department of Environmental Conservation (NYSDEC).

1.1 Site Background

The Site is located in the City of Vestal approximately 10 miles west of Binghamton, New York.

The site is bounded on the north by American Board, Inc. (former Chenango Industries, Inc.); on the south by Mobil/Exxon fuel line right-of-way, on the west by Stage Road and Vestal Asphalt, and on the east by a wooded undeveloped parcel.

A series of investigations have been conducted at the Site beginning in November 1988. Ebasco Services Inc. (Ebasco) performed remedial investigations at the Site in 1988 and 1992. Subsurface samples were obtained during the investigations to characterize Site soils and delineate the extent of Volatile Organic Compound (VOC) contamination. Data from the remedial investigations are reported in the USACE document entitled SVE System, Vestal Well 1-1 Superfund Site, Construction Solicitation and Specifications, dated November 1995 and showed site soils to be contaminated with various hydrocarbons and chlorinated solvents. During September and October of 2001, a Pre-Remediation Soil Sampling event was performed to obtain data to design a Soil Vapor Extraction (SVE) system. The report findings are located in Pre-Remediation Sampling Summary Report, March 2002.

The Site is located in an area that is relatively flat and part of the floodplain of the Susquehanna River. The landscape was formed through past flooding of the river and commercial development. The current Susquehanna River system is located approximately ¼-mile north of the Site. Due to

development in the immediate study area, slopes and grades are not representative of natural conditions. Relief in Area 4 ranges from approximately 823 feet above mean sea level (MSL) to 825 MSL (Figure 1).

The majority of soils at the Site consist primarily of sand-silt mixtures with areas of clayey silts. Poorly graded sands and/or fill material has been observed in the shallow subsurface throughout the sample locations. Poorly graded sand and gravel was also observed in the capillary fringe zone throughout most of the sample locations. Depth to the water table aquifer, as measured on September 26, 2001, was in excess of 20 feet below ground surface (bgs). Previous Site investigations have shown that depth to the water table aquifer generally ranges between approximately 16 to 20 feet bgs, depending on topography and seasonal fluctuations. Based on the most recent interim soil sampling event, the depth of the water table is currently 16 to 18 feet bgs. The elevated water table is most likely due to the higher than average precipitation over the last two years. Previous Investigations have also shown that the soils are contaminated with various hydrocarbons and chlorinated solvents, possibly as a result of unauthorized disposal practices in previous years.

1.2 Scope of Work

The purpose of this limited sampling was to investigate and evaluate effectiveness of the SVE treatment system currently operating within the boundaries of the Site. Shaw Inc. (Shaw), of Grand Rapids, Michigan, performed the soil borings utilizing direct push technology (GeoProbe®). Soil samples were collected at four (4) pre-determined locations and depths within the treatment area (Figure 2). In addition, a temporary monitoring well was installed to determine the water quality within the soil sampling area. Data generated during the performance of this investigation was utilized to evaluate the performance of the SVE system and proposed reconfiguration of the SVE wells.

The purpose of this sampling was to determine how concentrations of trichloroethylene (TCE) and 1,-1,-1-trichloroethane (1,-1,-1-TCA) within selected areas have been affected by the SVE treatment system. At the request of the USACE and as part of the VOC scan, the following compounds were also analyzed and are being reported: acetone, benzene, carbon tetrachloride, chloroform, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene,

trans-1,2-dichloroethene, ethylbenzene, methylene chloride, 1,1,2,2-tetrachloroethane, tetrachloroethene, toluene, 1,1,2-trichloroethane (1,1,2-TCA), vinyl chloride, m,p-xylenes and o-xylenes. Figures 3 and 4 depict the concentrations of TCE and 1,1,1-TCA (respectively) detected at each soil boring location and depth. Samples results have been reviewed per CENWK-EC-EF (1999) protocols and are reported in Table 1 and Appendix A.

2.0 LOCATION OF SAMPLES

Based on previously compiled analytical information, four (4) soil borings (ISB-5, ISB-6, ISB-7 and ISB-8) were placed around a previous sampled location (SB-5). Soil samples were analyzed for the full VOC list as specified in USEPA Method 8260B. Soils were collected and preserved following USEPA Method 5035. A temporary monitoring well (TMW-1) was installed at the ISB-5 location. A site layout depicting the soil boring locations is provided in Figure 2.

A total of sixteen (18) spatial locations were sampled for VOC's. Analytical sample results for the four (4) GeoProbe® locations are provided in Table 1 and Appendix A.

2.1 Soil Sampling

As stated earlier, Shaw performed the soil borings, utilizing direct push technology (GeoProbe®). Soil samples were collected using macro-bore drive point samplers. The samplers feature 48-inch by 2-inch stainless steel housing. In order to collect samples with the sampler, it was continuously driven to the desired sampling depth. The stainless steel core assisted in the removal of the soil sample and helped insure sample integrity and prevent cross contamination. The two deep samples (ISB-6 24-26' and ISB-8 24-26') were collected utilizing the hollow stem auger technique. These soil samples were below the water table and required the use of hollow stem augers to prevent borehole sidewall collapse. These samples were collected on October 11, 2005. Well Boring logs are provided in Appendix B.

After retrieval of the sampler, Shaw's geologist removed and split the core open, dissected the core with a stainless steel knife and recorded field observations. Shaw's geologist then filled the appropriate sample containers and recorded sample identification (ID) number for each sample collected. The samples collected were shipped under a strict chain of custody (COC) protocol to

an USACE approved laboratory, Waste Stream Technology, Inc., (WST) of Buffalo, New York, for VOC analysis as specified in USEPA Method 8260B.

All sampling tools were decontaminated with a laboratory grade detergent (Alconox®) wash and a double tap water rinse between sample collections. All hollow stem augers and associated equipment were steam cleaned. All decontamination water and used PPE produced during the investigation were placed in Department of Transportation (DOT) approved 55-gallon steel drums for proper disposal. All drums were temporarily stored within the fenced area of the SVE equipment building (Figure 5).

3.0 HEALTH AND SAFETY

Prior to initiating field activities, the Site-Specific Safety and Health Plan (SSSHP), developed by Sevenson, was provided to all on-site subcontractors and authorized personnel. Included within the SSSHP were protocols and procedures to be followed during all on-site investigation activities. Any authorized visitors to the Site were required to review and sign the SSSHP and agree to comply with protocols set forth in the plan. Pre-work safety meetings were conducted daily and prior to starting any site activity. A copy of the full text SSSHP remained on-site, in the possession, or in close proximity of a representative of Sevenson during all applicable project activities.

Three (3) types of work zones were established on-site: an Exclusion Zone (Work Area), a Contamination Reduction Zone (CRZ) and a Support Zone. The Exclusion Zone is defined as the area that is considered to be contaminated, potentially contaminated, or that could become contaminated during completion of a specific task. All personnel working in the defined Exclusion Zone utilized the appropriate level of personal protection as required. All areas considered to be part of the defined Exclusion Zone were physically delineated (i.e., areas of drilling, sample storage and/or shipping and receiving areas). The level of protection was continuously re-evaluated throughout the field activities.

Personal Protective Equipment (PPE) encompasses any and all means of protection utilized to prevent hazardous materials from contacting personnel either through the skin, lungs, eyes or mouth. It also relates to the degree of protection due to physical hazards. The level and type of

protection of PPE is dependent on work activities and the dangers present in a specific area (determined from water, air and soil field sampling and general observations). The minimum level of protection recommended by Sevenson's Certified Industrial Hygienist (CIH) was modified Level D, with the ability to upgrade.

Modified Level D – Same as Level D listed below except for the use of some level of dermal protection (i.e. tyvek® suit and chemical-resistant gloves).

Level D – To be selected when a work uniform affording minimal protection can be used for nuisance contamination only and includes:

- Coveralls,
- Gloves,
- Boots, steel-toe and shank,
- Safety glasses or chemical splash goggles, and
- Hard hat.

Based strictly on field screening results of the soil samples and work zones with an organic vapor meter and field observations, Modified Level D was the minimal protection established for site work.

In the event of an emergency, the Health and Safety Officer was to be notified immediately, however, no emergencies or injuries occurred.

All on-site workers were required to have completed the Occupational Safety and Health Administration (OSHA) 40-hour Hazardous Materials Safety Training Course per 29 CFR1910.120 and subsequent yearly refresher coursework, as well as, updated medical monitoring records. OSHA and medical monitoring records were kept on Site during the investigation.

4.0 FIELD ACTIVITIES

As stated earlier, four (4) soil borings were performed using a truck-mounted GeoProbe® unit. The soil borings were advanced in Area 4 of OU2 (Figure 2).

4.1 Utility Clearance and Site Access

Officials at American Board, Inc. (ABC) and the City of Vestal were notified of the investigation and estimated project duration. Sevenson coordinated with ABC in an attempt to define any underground structures that may reside on their property and within the proposed work area.

4.2 GeoProbe® Sampling Methodologies

The GeoProbe® system is comprised of a pneumatically driven, truck-mounted unit. Soil samples were collected at approved pre-determined locations within the proposed treatment area (Figure 2).

Soil samples were collected using a macro-bore drive point sampler. The samplers feature 48-inch by 2-inch stainless steel housing. In order to collect samples, the split-spoon sampler was continuously driven to the desired sampling depth. The stainless steel core assisted in the removal of the soil sample and helped insure sample integrity and prevent cross contamination. GeoProbe® sampling was performed on September 8, 2005.

The GeoProbe® could not retrieve a deep sample (24'-26') without the collapse of the boring, and hence not getting an accurate deep sample. A hollow stem auger rig was available on October 11, 2005 to collect the deep samples. Augers were continuously driven to a depth of 24 feet below grade at the locations ISB-6 and ISB-8. The sampler was then driven to collect the 24'-26' soil samples.

4.3 Sample Collection

The sampling technique employed involved continuous sampling at four-foot intervals to twenty feet below grade. At each of the four (4) predetermined soil boring locations, samples were collected by continuous advancement of the stainless steel split-spoon. Groundwater was encountered at all soil boring locations around 16.5 feet bgs.

After being advanced to the proper depth, the sampler was withdrawn from the boring and opened by unscrewing the rod bit and head and splitting the barrel. The sampling core was opened and examined atop a clean sheet of polyethylene placed on a folding table. A new sheet of polyethylene sheeting was used at each boring location, limiting the potential of cross-contamination. Upon retrieval of each 4-foot split-spoon sample, the sampling device was opened and the geologist used a clean, stainless steel knife to divide the tube contents in half, longitudinally and described the contents on standard boring logs.

The geologist removed the soil from the split-spoon sampler then transferred the soil sample to the appropriate laboratory supplied containers. The container was sealed tightly, labeled and deposited into a cooler containing ice and proper chain-of-custody. Sampling intervals were based on predetermined locations agreed upon during various discussions with the USACE and USEPA (Table 2).

Throughout the sampling activities, the Health and Safety Officer continuously monitored the soil collected and the drill rig work zone for the presence of volatile hydrocarbons using an organic vapor meter (OVM). The OVM utilized at the Site had a detection limit of approximately one part per million (ppm).

All samples were shipped under a strict chain of custody protocol to WST, for analysis. Soil was analyzed for the full list of VOCs as specified in USEPA Method 8260B. Soils were collected and preserved following USEPA Method 5035.

Decontamination procedures were adhered to during all phases of the investigation as described in Section 4.4 of this report.

The borehole(s) resulting from GeoProbe® activities were backfilled in accordance with NYDEC rules and regulations. The two boreholes drilled by the rig were filled with bentonite grout.

Borings advanced through the asphalt parking lot were topped with bentonite chips, hydrated, and will be patched with concrete when weather conditions allow. The advanced in grassed areas was backfilled and will be covered with a minimum of six-inches of topsoil and grass seed.

A water sample from TMW-1 was collected on September 21, 2005. The well was opened and allowed to equilibrate. A static water level was measured. The sample was collected using the low-flow purging technique. The pump was placed in the middle of the screen. After field measurements stabilized, a sample was collected in the appropriate laboratory containers. The container was sealed tightly, labeled and deposited into a cooler containing ice and proper chain-of-custody. The sample was shipped to WST. Table 3 lists the results of the groundwater analysis. The groundwater results for TCE and 1,1,1-TCA are included on Figures 3 and 4, respectively. Laboratory analytical results are also included in appendix A. The temporary well casing was removed and the borehole was decommissioned on October 11 utilizing a treme pipe and bentonite grout.

4.4 Decontamination Procedures

All sampling tools were decontaminated with a laboratory grade detergent wash (Alconox®) followed by a double tap water rinse. The decontamination water was changed between boring locations or when it first showed discoloration, floating debris, or foaming tendencies due to soap-carryover. The detergent solution was also changed when it no longer generated foam with moderate agitation. Detergent solutions were changed at least as frequently as the rinse bath or more frequently if the solution depicted a slick that was other than detergent film. In addition, personal judgment was used to determine the need for fresh solution due to an accumulation of suspended clay or silt or other fine particles. While performing the decontamination procedures, latex gloves were worn to prevent cross-contamination of the sampling equipment. This decontamination protocol helped to ensure sample integrity and reduce the likelihood of cross-contamination.

Prior to mobilization to a new location, the GeoProbe® rig and all associated equipment were thoroughly inspected and cleaned as necessary to remove oil, grease, mud and other foreign matter. Before initiating drilling at each location, the split-spoon samplers, drill steel and associated equipment that were in contact with the soil were cleaned by wiping components to remove all visible sediments and other foreign matter thoroughly. Special attention was given to the threaded sections of the drill rods and split-spoon samplers.

All cleaned and decontaminated equipment was placed on polyethylene sheeting to avoid contacting the potentially contaminated ground surface before each use. The Site geologist inspected the equipment after cleaning and prior to initiation of the next drilling activity.

5.0 SAMPLE SHIPMENT AND ANALYSIS

Soil and groundwater samples were placed in appropriate laboratory supplied sample containers for shipment toWST. Immediately upon collection, the samples were labeled and placed in coolers with ice. Chain of custody forms were initiated in the field and accompanied the samples to the laboratory.

As stated in Section 2.1 of this report, the soil samples were analyzed for the full list of VOCs as specified in USEPA Method 8260B. Soils were collected and preserved following USEPA Method 5035.

6.0 DISPOSAL OF INVESTIGATIVE DERIVED WASTE

Any investigation derived waste (IDW) brought above grade that remained after sampling was containerized in DOT-approved fifty-five gallon steel drum and temporarily stored on-site until approval and disposal at an appropriate disposal facility is secured. All decontamination water/rinsate used was collected and also placed in DOT approved fifty-five gallon steel drum and temporarily stored outside the existing SVE treatment building (Figure 5) prior to disposal.

7.0 DEVIATION FROM APPROVED SAMPLING DEPTHS

Based on the pre approved sample depths, the following deviations occurred while performing the investigation:

- The two deep soil samples were not collected during the September sampling event. Gravel and cobbles at a depth of 20 feet below ground level prevented the GeoProbe® from reaching the 24'-26' depth for sampling at ISB-6 and ISB-8. The sampling team returned to the site on 11 October to retrieve these deep samples using a hollow stem auger drill rig.

8.0 DISCUSSION AND CONCLUSIONS

Based on the analytical results (TCE and 1,1,1-TCA) of the soil and groundwater samples collected during the second Interim Soil Sampling Investigation it appears that results from ISB-6 show a significant increase in contaminant levels, relative to previous borings. The highest contaminant concentrations appear near the soil-groundwater interface. Figure 3 and Figure 4 compare soil analytical results and depth of sample from the Interim Soil GeoProbe® Sampling Summary Report with the results of the Pre-Remediation GeoProbe® Sampling Summary Report, dated March 4, 2002.

The purpose of the installing the temporary monitoring well (TMW-1) was to determine the existence of free product in the groundwater that might be re-contaminating this zone. No free product was found in the groundwater, and the single sample is inconclusive to assess the source and extent of this deeper contamination. In addition to the elevated contaminant concentrations within the referred to soil area, the groundwater sample collected from the temporary monitoring well (TMW-1) indicated elevated levels. Analytical results from TMW-1 for 1,1,1-TCA were 194,000 ug/L and results for TCE were 33,600 ug/L.

Utilizing the analytical information generated from the second Interim Soil Sampling event, Sevenson recommends the following changes to the SVE system configuration:

- SVE wells D3 and E2 will be converted from injection to vacuum.
- Wells C3 and E1 will be converted from vacuum to injection.

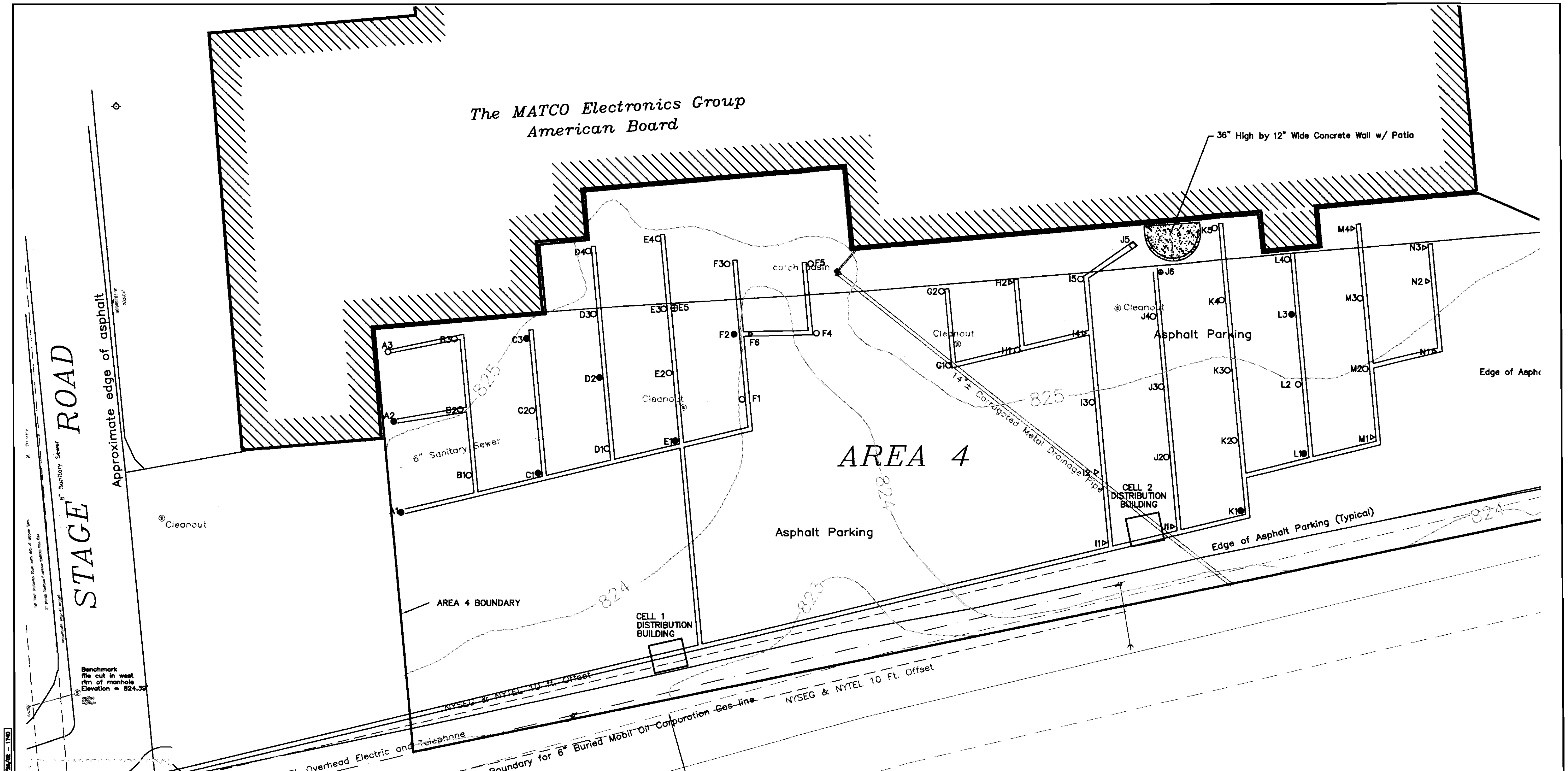
These changes in well field polarity will focus more on the area around ISB-6, where the highest soil contaminant concentrations are located. These alterations should increase localized treatment efficiency allowing for increased contaminant recovery. Figure 6 shows the proposed well reconfiguration.

Focusing on the area around ISB-6, we propose two additional activities that might accelerate the remediation of this site:

- A focused investigation of the area to the west and northwest of ISB-6 to determine the extent of the high contaminant concentrations. This would involve taking more soil samples to define the area.

- A second option involves removing the source area around ISB-6. This involves excavation the soils around ISB-6. As this site is very proximate to the ABC building and would be a very deep excavation, we would need to assess actually underpinning the building to ensure its safety during excavation.

FIGURES



BASE MAP PROVIDED BY JOYCE SURVEYING AND MAPPING

LEGEND

- A5 ● – INJECTION SVE well
- D3 ○ – VACUUM SVE well
- D3 ⊕ – Nested VACUUM SVE well
- H2 ▷ – SVE well shut off

0 20 40
SCALE IN FEET

NO.	DATE	ISSUED FOR	BY
▲	4-26-02	ISSUED FOR CLIENT REVIEW	DC

Sevenson Environmental Services Inc.
2749 LOCKPORT ROAD
NIAGARA FALLS, NEW YORK

Shaw® 103 COLLEGE AVE, SE
GRAND RAPIDS, MICHIGAN 49503

US Army Corps of Engineers
Kansas City District

CONTRACT No. DACW41-01-D-0001

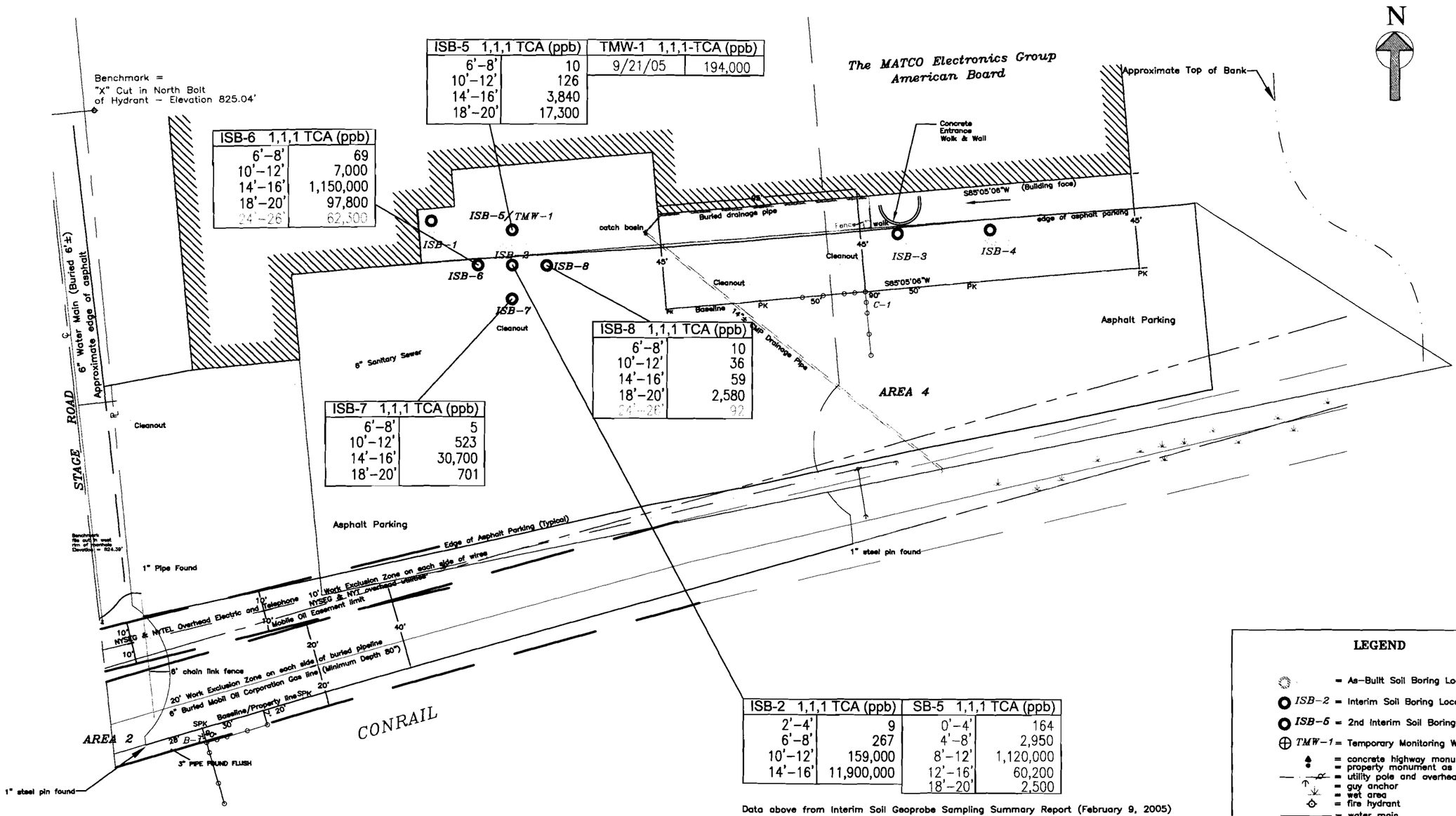
STEWART HARRIS ABRAMS
NEW YORK PROFESSIONAL ENGINEER LICENSE NUMBER 078623

DRAWN:	BL
CHECKED BY:	DC
DESIGN ENGR:	DC
APPROVED BY:	SA
DATE:	11-05

SITE: VESTAL AREA 4
TOWN OF VESTAL, BROOME COUNTY, NEW YORK

TITLE: FIGURE 6
PROPOSED SVE RECONFIGURATION

SCALE:	AS SHOWN
REVISION:	
PROJECT NUMBER:	681086
DRAWING NUMBER:	VES A4 – 6
SHEET	6 OF 6



ISB-5 1,1,1 TCA (ppb)	
6'–8'	10
10'–12'	126
14'–16'	3,840
18'–20'	17,300

TMW-1 1,1,1-TCA (ppb)	
9/21/05	194,000

ISB-6 1,1,1 TCA (ppb)	
6'–8'	69
10'–12'	7,000
14'–16'	1,150,000
18'–20'	97,800
24'–26'	62,500

ISB-8 1,1,1 TCA (ppb)	
6'–8'	10
10'–12'	36
14'–16'	59
18'–20'	2,580
24'–26'	92

ISB-7 1,1,1 TCA (ppb)	
6'–8'	5
10'–12'	523
14'–16'	30,700
18'–20'	701

ISB-2 1,1,1 TCA (ppb)		SB-5 1,1,1 TCA (ppb)	
2'–4'	9	0'–4'	164
6'–8'	267	4'–8'	2,950
10'–12'	159,000	8'–12'	1,120,000
14'–16'	11,900,000	12'–16'	60,200
		18'–20'	2,500

Data above from Interim Soil Geoprobe Sampling Summary Report (February 9, 2005)

Scale: 1 Inch = 50 Feet

0 50FT 100FT

NOTES:

* ISB–6 (24–26) and ISB–8 (24–26) were sampled on October 11, 2005. Results are in green.

1. THE LOCATION AND DEPTH OF EACH UNDERGROUND UTILITY IS BASED ON THE BEST INFORMATION AVAILABLE AS PROVIDED BY EACH RESPECTIVE UTILITY COMPANY.
2. AREA 4 BOUNDARY WAS TAKEN FROM FIGURE 2–3 OF THE UNITED STATES ARMY CORPS OF ENGINEER SCAPS REPORT.

LEGEND

- = As–Built Soil Boring Location
- ISB–2 = Interim Soil Boring Location
- ISB–5 = 2nd Interim Soil Boring Location
- TMW–1 = Temporary Monitoring Well
- = concrete highway monument
- = property monument as noted
- = utility pole and overhead line
- = guy anchor
- = wet area
- = fire hydrant
- = water main
- = wire fenceline
- = sanitary sewer line/manhole
- = natural gas or petroleum line
- = Property line
- = centerline
- SPK = spike set
- PK = PK nail set
- = Benchmark – as described
- = Area 4 Treatment Boundary
- = Approximate Top of Bank

REV	DATE	DESCRIPTION OF REVISION	REVISED BY	CHECKED BY
6				
5				
4				
3				
2				
1				

PLOT SCALE: 50

WARNING 0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

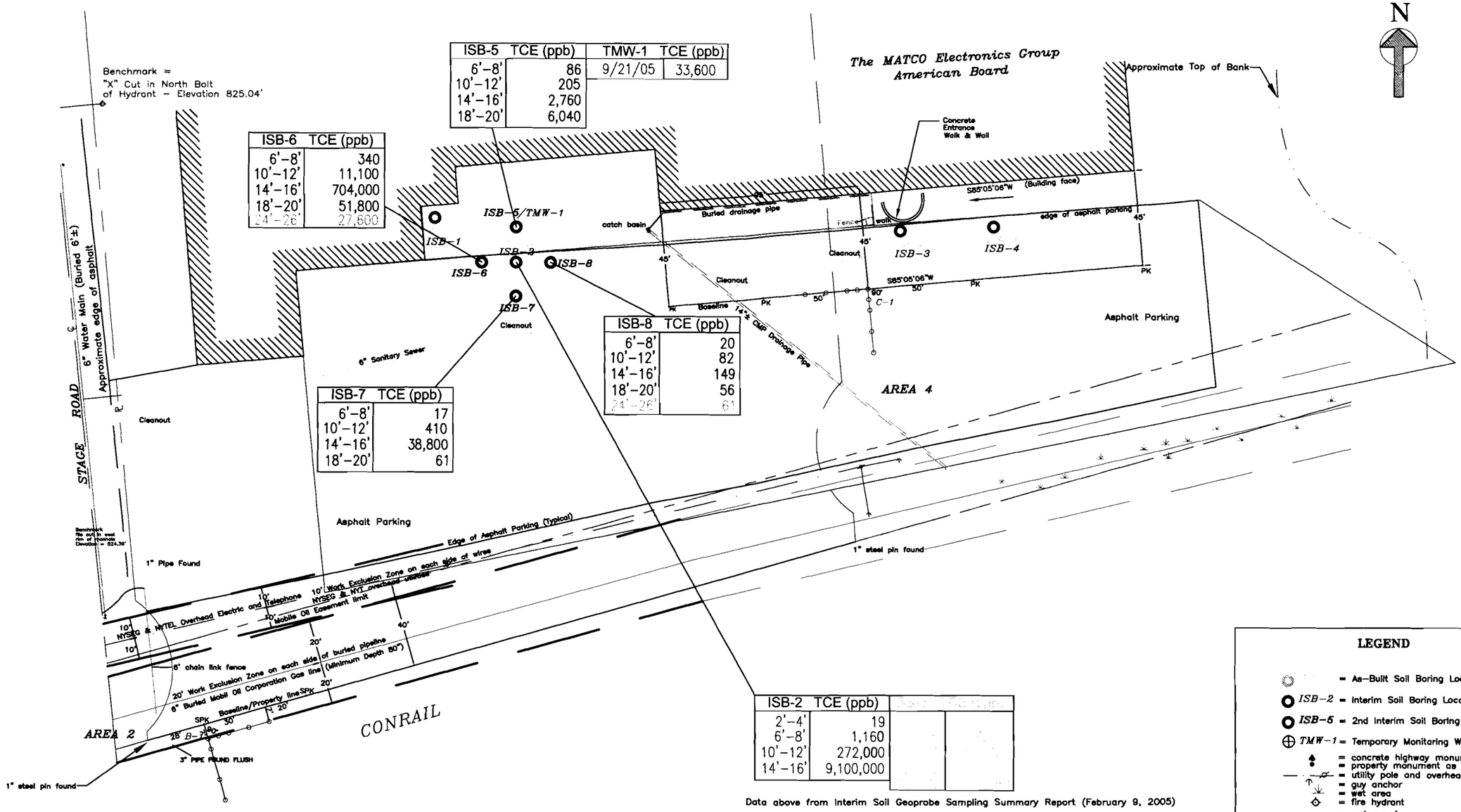
Shaw®
103 COLLEGE AVE, SE
GRAND RAPIDS, MICHIGAN 49503

SCALE	1"=50'–0"
PROJECT MGR	D. CALLAHAN
DRAWN	JAK
CHECKED	JDV
PEER REVIEWED	DCC
DATE	10–31–05

VESTAL WELL 1-1 SUPERFUND SITE, AREA 4
BROOME COUNTY, VESTAL, NEW YORK

INTERIM SOIL BORING LOCATIONS 1,1,1-TCA CONCENTRATIONS SEPTEMBER 8, 2005*

SHEET SIZE	B
REVISION	
DWG FILE NAME	
PROJECT #	681086
DRAWING	4
SHEET	OF



ISB-5	TCE (ppb)
6'–8'	86
10'–12'	205
14'–16'	2,760
18'–20'	6,040

TMW-1	TCE (ppb)
9/21/05	33,600

ISB-6	TCE (ppb)
6'–8'	340
10'–12'	11,100
14'–16'	704,000
18'–20'	51,800
24'–26'	27,600

ISB-8	TCE (ppb)
6'–8'	20
10'–12'	82
14'–16'	149
18'–20'	56
24'–26'	61

ISB-7	TCE (ppb)
6'–8'	17
10'–12'	410
14'–16'	38,800
18'–20'	61

ISB-2	TCE (ppb)
2'–4'	19
6'–8'	1,160
10'–12'	272,000
14'–16'	9,100,000

Data above from Interim Soil Geoprobe Sampling Summary Report (February 9, 2005)

Scale: 1 Inch = 50 Feet

0 50FT 100FT

LEGEND

- = As-Built Soil Boring Location
- *ISB-2* = Interim Soil Boring Location
- *ISB-5* = 2nd Interim Soil Boring Location
- *TMW-1* = Temporary Monitoring Well
- = concrete highway monument
- = property monument as noted
- = utility pole and overhead line
- = guy anchor
- = wet area
- = fire hydrant
- = water main
- = wire fenceline
- = sanitary sewer line/manhole
- = natural gas or petroleum line
- = Property line
- = centerline
- SPK = spike set
- PK = PK nail set
- = Benchmark – as described
- = Area 4 Treatment Boundary
- = Approximate Top of Bank

NOTES:

* ISB–6 (24–26) and ISB–8 (24–26) were sampled on October 11, 2005. Results are in green.

1. THE LOCATION AND DEPTH OF EACH UNDERGROUND UTILITY IS BASED ON THE BEST INFORMATION AVAILABLE AS PROVIDED BY EACH RESPECTIVE UTILITY COMPANY.
2. AREA 4 BOUNDARY WAS TAKEN FROM FIGURE 2–3 OF THE UNITED STATES ARMY CORPS OF ENGINEER SCAPS REPORT.

REV	DATE	DESCRIPTION OF REVISION	REVISED BY	CHECKED BY
6				
5				
4				
3				
2				
1				

PLOT SCALE: 50

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

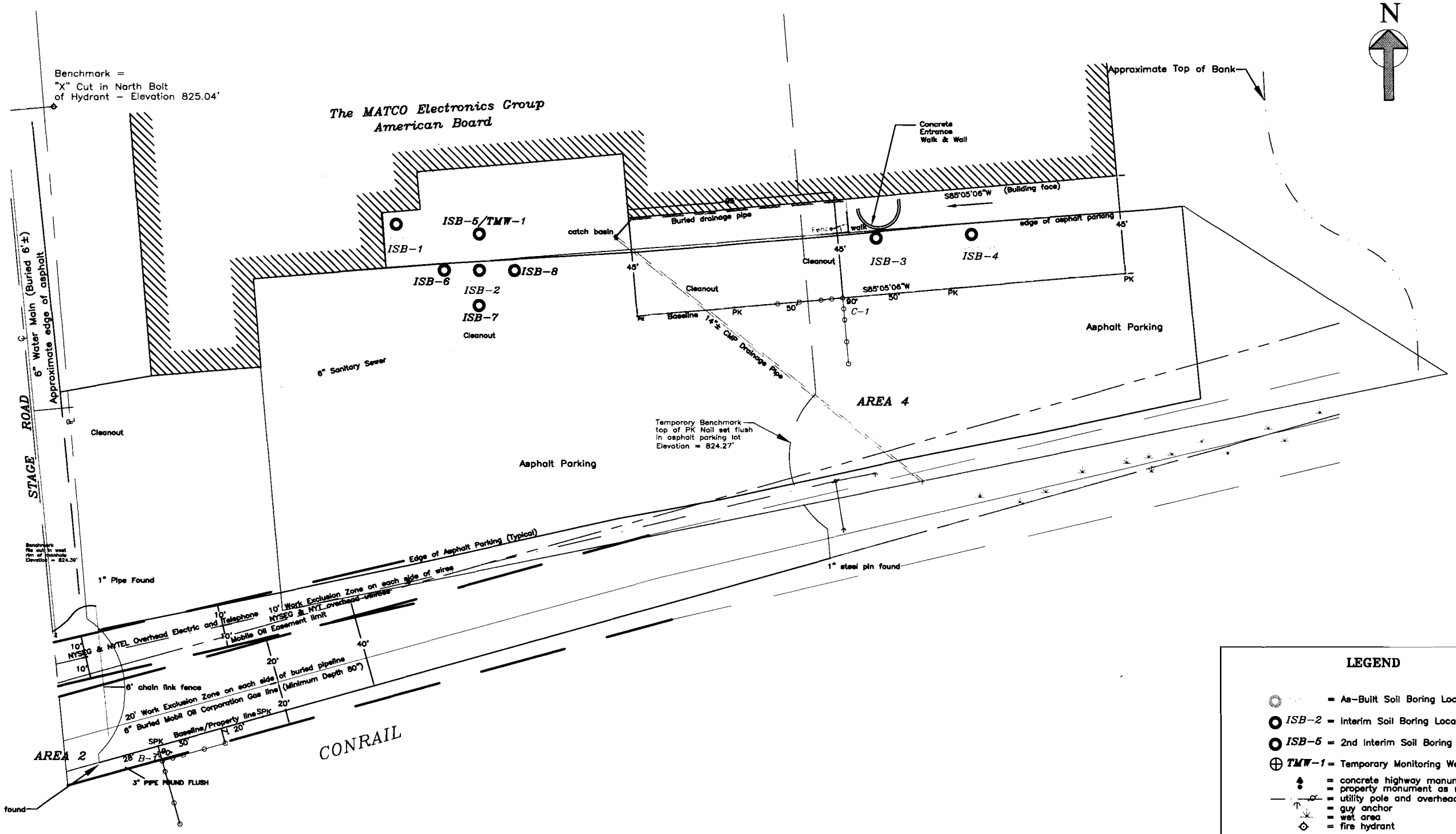
Shaw®
103 COLLEGE AVE, SE
GRAND RAPIDS, MICHIGAN 49503

SCALE	1"=50'–0"
PROJECT MGR	D. CALLAHAN
DRAWN	JAK
CHECKED	JDV
PEER REVIEWED	DCC
DATE	10–31–05

VESTAL WELL 1-1 SUPERFUND SITE, AREA 4
BROOME COUNTY, VESTAL, NEW YORK

INTERIM SOIL BORING LOCATIONS TCE CONCENTRATIONS SEPTEMBER 8, 2005*

SHEET SIZE	B
REVISION	
DWG FILE NAME	
PROJECT #	681086
DRAWING	3
SHEET	OF



Scale: 1 Inch = 50 Feet

0 50FT 100FT

LEGEND

- = As-Built Soil Boring Location
- ISB-2 = Interim Soil Boring Location
- ISB-5 = 2nd Interim Soil Boring Location
- TMW-1 = Temporary Monitoring Well
- = concrete highway manument
- = property monument as noted
- = utility pole and overhead line
- = guy anchor
- = wet area
- = fire hydrant
- = water main
- = wire fenceline
- = sanitary sewer line/manhole
- = natural gas or petroleum line
- = Property line
- = centerline
- SPK = spike set
- PK = PK nail set
- = Benchmark – as described
- = Area 4 Treatment Boundary
- = Approximate Top of Bank

NOTES:

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2. AREA 4 BOUNDARY WAS TAKEN FROM FIGURE 2-3 OF THE UNITED STATES ARMY CORPS OF ENGINEER SCAPS REPORT.

REV	DATE	DESCRIPTION OF REVISION	REVISED BY	CHECKED BY
6				
5				
4				
3				
2				
1				

PLOT SCALE: 50

WARNING 0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

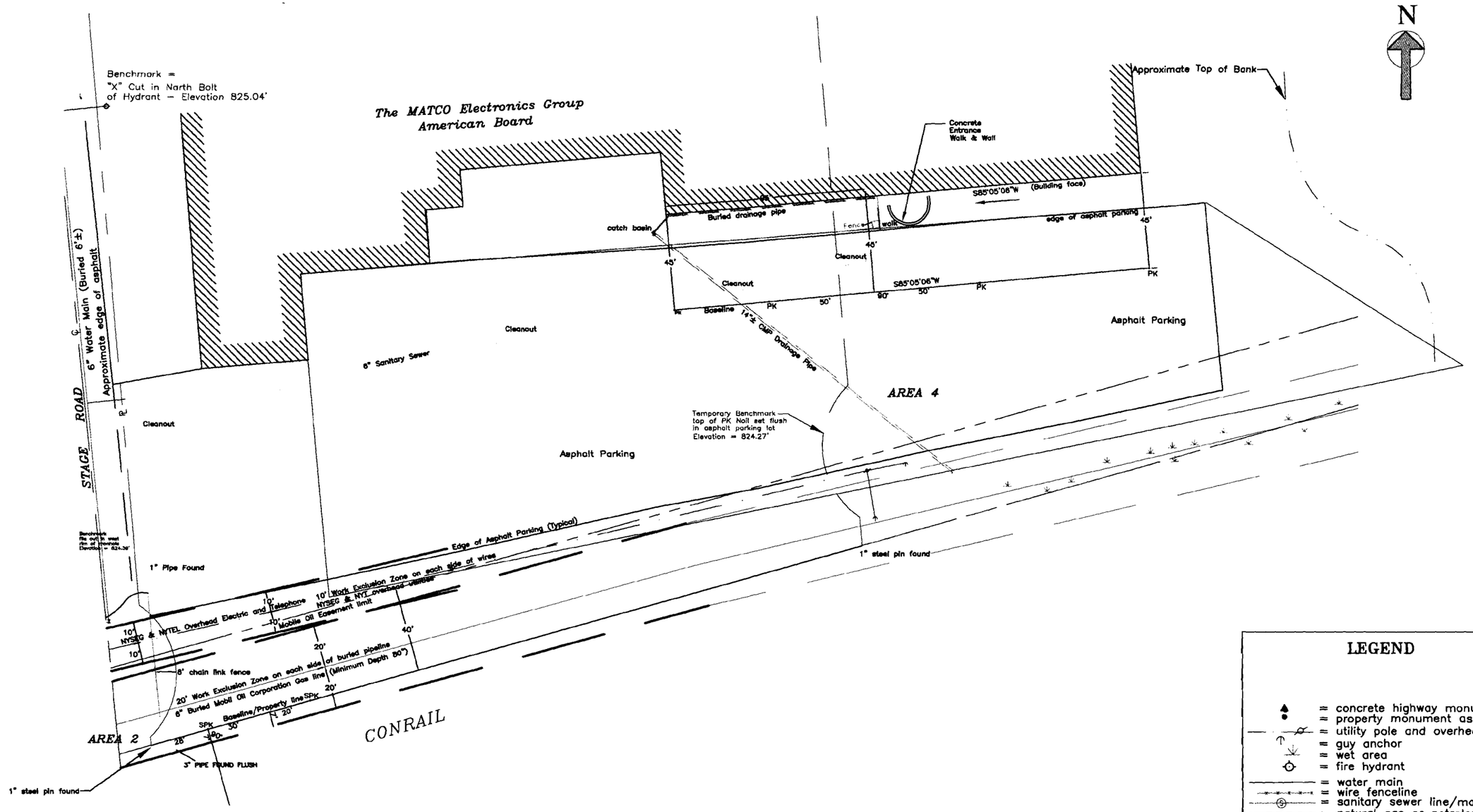
Shaw®
103 COLLEGE AVE, SE
GRAND RAPIDS, MICHIGAN 49503

SCALE	1"=50'-0"
PROJECT MGR	D. CALLAHAN
DRAWN	JAK
CHECKED	JDV
PEER REVIEWED	DCC
DATE	9-8-05

VESTAL WELL 1-1 SUPERFUND SITE, AREA 4
BROOME COUNTY, VESTAL, NEW YORK

INTERIM SOIL BORING LOCATIONS

SHEET SIZE	B
REVISION	
DWG FILE NAME	
PROJECT #	681086
DRAWING	2
SHEET	OF



Scale: 1 Inch = 50 Feet

0 50FT 100FT

LEGEND

- = concrete highway monument
- = property monument as noted
- = utility pole and overhead line
- = guy anchor
- = wet area
- = fire hydrant
- = water main
- = wire fenceline
- = sanitary sewer line/manhole
- = natural gas or petroleum line
- = Property line
- = centerline
- SPK = spike set
- PK = PK nail set
- = Benchmark – as described
- = Area 4 Treatment Boundary
- = Approximate Top of Bank

NOTES:

1. THE LOCATION AND DEPTH OF EACH UNDERGROUND UTILITY IS BASED ON THE BEST INFORMATION AVAILABLE AS PROVIDED BY EACH RESPECTIVE UTILITY COMPANY.
2. AREA 4 BOUNDARY WAS TAKEN FROM FIGURE 2-3 OF THE UNITED STATES ARMY CORPS OF ENGINEER SCAPS REPORT.

REV	DATE	DESCRIPTION OF REVISION	REVISED BY	CHECKED BY
6				
5				
4				
3				
2				
1				

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

Shaw®
103 COLLEGE AVE, SE
GRAND RAPIDS, MICHIGAN 49503

SCALE	1"=50'-0"
PROJECT MGR	D. CALLAHAN
DRAWN	JAK
CHECKED	JDV
PEER REVIEWED	DCC
DATE	9-8-05

VESTAL WELL 1-1 SUPERFUND SITE, AREA 4
BROOME COUNTY, VESTAL, NEW YORK

SITE LAYOUT

SHEET SIZE	B
REVISION	
DWG FILE NAME	
PROJECT #	681086
DRAWING	1
SHEET	OF

PLOT SCALE: 50

TABLES

TABLE 1 -- Interim Soil Sampling Results September 2005

Boring / Depth	ISB5 / 6-8'	ISB5 / 10-12'	ISB5 / 14-16'	ISB5 / 18-20'
Sample ID	ISB-5 6-8'	ISB-5 10-12'	ISB-5 14-16'	ISB-5 18-20'
Date Collected	9/8/2005	9/8/2005	9/8/2005	9/8/2005
Date Analyzed	9/16/2005	9/16/2005	9/20/2005	9/20/2005
Dilution Factor	1	1	2	2
Acetone	33	29	<2460	<2500
Benzene	<2	<2	<491	<500
Carbon Tetrachloride	<2	<2	<491	<500
Chloroform	<2	<2	<491	<500
1,1-Dichloroethane	<2	<2	<491	<500
1,2-Dichloroethane	<2	<2	<491	<500
1,1-Dichloroethene	<2	<2	<491	<500
cis-1,2-Dichloroethene	<2	<2	<491	<500
trans-1,2-Dichloroethene	<2	<2	<491	<500
Ethylbenzene	<2	<2	<491	<500
Methylene Chloride	7	9	<491	<500
1,1,2,2-Tetrachloroethane	<2	<2	<491	<500
Tetrachloroethene	<2	<2	<491	<500
Toluene	<2	<2	<491	<500
1,1,1-Trichloroethane	10	126	3,840	17,300
1,1,2-Trichloroethane	<2	<2	<491	<500
Trichloroethene	86	205	2,760	6,040
Vinyl Chloride	<10	<9	<2460	<2500
m,p-Xylenes	<4	<3	<983	<1000
o-Xylenes	<2	<2	<491	<500

Notes:

Results are compared to the site established target cleanup levels as listed below:

1,1,1-Trichloroethane - 170 ug/Kg

Trichloroethene - 140 ug/Kg

Shaded cells represent those values which exceed the established target cleanup levels

Results and target cleanup levels are reported in parts per billion (ppb) or micro-gram per kilo-gram (ug/Kg) : micro-gram per liter (ug/L)

Volatiles analyzed by analytical method SW-846 8260B

TABLE 1 -- Interim Soil Sampling Results September 2005

Boring / Depth	ISB6 / 6-8'	ISB6 / 10-12'	ISB6 / 14-16'	ISB6 / 18-20'	ISB6 / 24-26'
Sample ID	ISB-6 6-8'	ISB-6 10-12'	ISB-6 14-16'	ISB-6 18-20'	ISB-6 24-26'
Date Collected	9/8/2005	9/8/2005	9/8/2005	9/8/2005	10/11/2005
Date Analyzed	9/16/2005	9/16/2005	9/19/2005	9/16/2005	9/16/2005
Dilution Factor	1	1	2	1	2
Acetone	12	38	<2400	126	<2430
Benzene	<2	<2	<480	<3	<487
Carbon Tetrachloride	<2	5	<480	<3	<487
Chloroform	<2	10	<480	<3	<487
1,1-Dichloroethane	<2	12	<480	42	<487
1,2-Dichloroethane	<2	12	<480	<3	<487
1,1-Dichloroethene	<2	60	<480	87	<487
cis-1,2-Dichloroethene	<2	8	<480	11	<487
trans-1,2-Dichloroethene	<2	<2	<480	<3	<487
Ethylbenzene	<2	9	<480	<3	<487
Methylene Chloride	9	678	<480	60	1,860
1,1,2,2-Tetrachloroethane	<2	12	<480	<3	<487
Tetrachloroethene	<2	16	1,280	<3	<487
Toluene	<2	65	3,750	<3	<487
1,1,1-Trichloroethane	69	7,000	1,150,000	97,800	62,300
1,1,2-Trichloroethane	4	293	3,380	4	<487
Trichloroethene	340	11,100	704,000	51,800	27,600
Vinyl Chloride	<10	<8	<2400	<15	<2430
m,p-Xylenes	<4	17	1,880	<6	<973
o-Xylenes	<2	10	641	<3	<3

Notes:

Results are compared to the site established target cleanup levels as listed below:

1,1,1-Trichloroethane - 170 ug/Kg

Trichloroethene - 140 ug/Kg

Shaded cells represent those values which exceed the established target cleanup levels

Results and target cleanup levels are reported in parts per billion (ppb) or micro-gram per kilo-gram (ug/Kg) : micro-gram per liter (ug/L)

Volatiles analyzed by analytical method SW-846 8260B

TABLE 1 -- Interim Soil Sampling Results September 2005

Boring / Depth	ISB7 / 6-8'	ISB7 / 10-12'	ISB7 / 14-16'	ISB7 / 18-20'
Sample ID	ISB-7 6-8'	ISB-7 10-12'	ISB-7 14-16'	ISB-7 18-20'
Date Collected	9/8/2005	9/8/2005	9/8/2005	9/8/2005
Date Analyzed	9/19/2005	9/19/2005	9/19/2005	9/19/2005
Dilution Factor	1	1	1	1
Acetone	22	13	28	46
Benzene	<2	<2	3	<2
Carbon Tetrachloride	<2	<2	529	<2
Chloroform	<2	<2	3	<2
1,1-Dichloroethane	<2	<2	12	27
1,2-Dichloroethane	<2	<2	<2	<2
1,1-Dichloroethene	<2	3	1,690	36
cis-1,2-Dichloroethene	3	<2	2	3
trans-1,2-Dichloroethene	<2	<2	<2	<2
Ethylbenzene	<2	<2	2,070	<2
Methylene Chloride	<2	3	14	8
1,1,2,2-Tetrachloroethane	<2	<2	17	<2
Tetrachloroethene	<2	<2	3,790	<2
Toluene	<2	<2	4,490	<2
1,1,1-Trichloroethane	5	523	30,700	701
1,1,2-Trichloroethane	<2	<2	26	<2
Trichloroethene	17	410	38,800	61
Vinyl Chloride	<9	<8	<9	<9
m,p-Xylenes	<3	<3	6,350	<4
o-Xylenes	<2	<2	2,630	<2

Notes:

Results are compared to the site established target cleanup levels as listed below:

1,1,1-Trichloroethane - 170 ug/Kg

Trichloroethene - 140 ug/Kg

Shaded cells represent those values which exceed the established target cleanup levels

Results and target cleanup levels are reported in parts per billion (ppb) or micro-gram per kilo-gram (ug/Kg) : micro-gram per liter (ug/L)

Volatiles analyzed by analytical method SW-846 8260B

TABLE 1 -- Interim Soil Sampling Results September 2005

Boring / Depth	ISB8 / 6-8'	ISB8 / 10-12'	ISB8 / 14-16'	ISB8 / 18-20'	ISB8 / 24-26'
Sample ID	ISB-8 6-8'	ISB-8 10-12'	ISB-8 14-16'	ISB-8 18-20'	ISB-8 24-26'
Date Collected	9/8/2005	9/8/2005	9/8/2005	9/8/2005	10/11/2005
Date Analyzed	9/19/2005	9/19/2005	9/20/2005	9/19/2005	10/13/2005
Dilution Factor	1	1	1	1	1
Acetone	26	19	20	51	39
Benzene	<2	<2	<2	<2	<2
Carbon Tetrachloride	<2	<2	<2	<2	<2
Chloroform	<2	<2	<2	<2	<2
1,1-Dichloroethane	<2	<2	<2	39	<2
1,2-Dichloroethane	<2	<2	<2	<2	<2
1,1-Dichloroethene	<2	<2	<2	176	2
cis-1,2-Dichloroethene	<2	<2	<2	15	<2
trans-1,2-Dichloroethene	<2	<2	<2	<2	<2
Ethylbenzene	<2	<2	<2	<2	<2
Methylene Chloride	2	4	14	9	<2
1,1,2,2-Tetrachloroethane	<2	<2	<2	<2	<2
Tetrachloroethene	<2	<2	<2	<2	<2
Toluene	<2	<2	<2	<2	<2
1,1,1-Trichloroethane	10	36	59	2,580	92
1,1,2-Trichloroethane	<2	<2	<2	<2	<2
Trichloroethene	20	82	149	56	61
Vinyl Chloride	<9	<8	<8	<10	<8
m,p-Xylenes	<3	<3	<3	<4	<3
o-Xylenes	<2	<2	<2	<2	<2

Notes:

Results are compared to the site established target cleanup levels as listed below:

1,1,1-Trichloroethane - 170 ug/Kg

Trichloroethene - 140 ug/Kg

Shaded cells represent those values which exceed the established target cleanup levels

Results and target cleanup levels are reported in parts per billion (ppb) or micro-gram per kilo-gram (ug/Kg) : micro-gram per liter (ug/L)

Volatiles analyzed by analytical method SW-846 8260B

TABLE 2
INTERIM SOIL BORING (ISB) LOCATIONS & DEPTHS
VESTAL AREA 4
SEPTEMBER 2005

Sample ID	Location	Reason
ISB-5	15 feet north of SB-5 (ISB-2)	Compare pretreatment 111-TCA and TCE results with current treatment system sample. S.D. (6-8), (10-12), (14-16), and (18-20).
ISB-6	15 feet west of SB-5 (ISB-2)	Compare pretreatment 111-TCA and TCE results with current treatment system sample. S.D. (6-8), (10-12), (14-16), (18-20), and (24-26).
ISB-7	15 feet south of SB-5 (ISB-2)	Compare pretreatment 111-TCA and TCE results with current treatment system sample. S.D. (6-8), (10-12), (14-16), and (18-20).
ISB-8	15 feet east of SB-5 (ISB-2)	Compare pretreatment 111-TCA and TCE results with current treatment system sample. S.D. (6-8), (10-12), (14-16), (18-20), and (24-26).

Note: S.D. Is sample depth below grade level

TABLE 3 -- Temporary Monitoring Well (TMW-1) Results

	Sample Location
Boring / Depth	ISB5 / TMW-1
Sample ID	TMW-1
Date Collected	9/21/2005
Date Analyzed	9/21/2005
Dilution Factor	1
Acetone	<10
Benzene	2
Carbon Tetrachloride	122
Chloroform	12
1,1-Dichloroethane	538
1,2-Dichloroethane	<1
1,1-Dichloroethene	3,130
cis-1,2-Dichloroethene	176
trans-1,2-Dichloroethene	5
Ethylbenzene	12
Methylene Chloride	183
1,1,2,2-Tetrachloroethane	<1
Tetrachloroethene	28
Toluene	186
1,1,1-Trichloroethane	194,000
1,1,2-Trichloroethane	33
Trichloroethene	33,600
Vinyl Chloride	3
m,p-Xylenes	33
o-Xylenes	12

Notes:

Results and target cleanup levels are reported in parts per billion (ppb) or micro-gram per kilo-gram (ug/Kg) : micro-gram per liter (ug/L)

Volatiles analyzed by analytical method SW-846 8260B

APPENDIX A
Sampling and Analytical Data

FIRST SOIL SAMPLING EVENT

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 09/27/05
Work Order Number: 5I09022

Prepared For
Cassandra Marshall
Sevenson/G-Jobs
104 Lakeview Drive
Chaddsford, PA 19317
Fax: (610) 388-0731

Site: Vestal, NY

Enclosed are the results of analyses for samples received by the laboratory on 09/09/05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel W. Vollmer

Daniel W. Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	Reported:
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ISB-5 6-8'	5I09022-01	Soil	09/08/05 00:00	09/09/05 09:40
ISB-5 10-12'	5I09022-02	Soil	09/08/05 00:00	09/09/05 09:40
ISB-5 14-16'	5I09022-03	Soil	09/08/05 00:00	09/09/05 09:40
ISB-5 18-20'	5I09022-04	Soil	09/08/05 00:00	09/09/05 09:40
ISB-6 6-8'	5I09022-05	Soil	09/08/05 00:00	09/09/05 09:40
ISB-6 10-12'	5I09022-06	Soil	09/08/05 00:00	09/09/05 09:40
ISB-6 14-16'	5I09022-07	Soil	09/08/05 00:00	09/09/05 09:40
ISB-6 18-20'	5I09022-08	Soil	09/08/05 00:00	09/09/05 09:40
ISB-7 6-8'	5I09022-09	Soil	09/08/05 00:00	09/09/05 09:40
ISB-7 10-12'	5I09022-10	Soil	09/08/05 00:00	09/09/05 09:40
ISB-7 14-16'	5I09022-11	Soil	09/08/05 00:00	09/09/05 09:40
ISB-7 18-20'	5I09022-12	Soil	09/08/05 00:00	09/09/05 09:40
ISB-8 6-8'	5I09022-13	Soil	09/08/05 00:00	09/09/05 09:40
ISB-8 10-12'	5I09022-14	Soil	09/08/05 00:00	09/09/05 09:40
ISB-8 14-16'	5I09022-15	Soil	09/08/05 00:00	09/09/05 09:40
ISB-8 18-20'	5I09022-16	Soil	09/08/05 00:00	09/09/05 09:40

Method 8260B Analysis Notes:

Because of the potential for high levels of VOCs in the Vestal site soil samples, the samples were originally analyzed using the high-level methanol extraction procedure. 4 grams of sample is taken from the 2 oz jar and extracted in 10 mL of methanol and the methanol extract is subsequently analyzed. Sample numbers 5I09022-03 (ISB-5 14-16), -04 (ISB-5 18-20) and -07 (ISB-6 14-16) exhibited results above reporting limits when the methanol extracts were analyzed so these results were reported and the low-level Encore aliquots were not analyzed.

The analyses of the methanol extracts of sample numbers 5I09022-06 (ISB-6 10-12), -11 (ISB-7 14-16) and -16 (ISB-8 18-20) did not show detectable levels of target compounds, however, when the low-level Encore aliquots were analyzed, the analyses showed a high level for one or more target compounds. The levels detected should have shown up in the methanol extract analyses. This indicates that there was a high degree of sample heterogeneity between the soil collected in the 2 oz jar versus the Encore samplers. The results for the affected compounds have been flagged with the E qualifier to indicate that the result is estimated since it is greater than the concentration of the highest calibration standard.

The remaining samples were analyzed using the low-level Encore aliquots. Sample numbers 5I09022-05 (ISB-6 6-8) and -12 (ISB-7 18-20) showed levels of 1,1,1-trichloroethane greater than the concentration of the highest calibration standard while sample number 5I 09022-10 showed levels of 1,1,1-trichloroethane and trichloroethene greater than the concentration of the highest calibration standard. These results were also assigned the E qualifier. However, the levels detected, although greater than the concentration of the highest calibration standard (200 µg/kg), were less than or just above the methanol extract reporting limit of 500 µg/kg.

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-5 6-8' (5I09022-01RE1) Soil	**Sampled; 09/08/05 00:00**	**Received; 09/09/05 09:40**							
chloromethane	ND	10	ug/kg dry	1	AI51603	09/16/05	09/16/05	8260	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	**33**	10	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**7**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	**45**	2	"	"	"	"	"	"	
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**86**	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	4	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*92.3 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*105 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-5 10-12' (5I09022-02RE1) Soil	**Sampled: 09/08/05 00:00**		**Received: 09/09/05 09:40**						
chloromethane	ND	9	ug/kg dry	1	AI51603	09/16/05	09/16/05	8260	U
vinyl chloride	ND	9	"	"	"	"	"	"	U
bromomethane	ND	9	"	"	"	"	"	"	U
chloroethane	ND	9	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	**29**	9	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**9**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	9	"	"	"	"	"	"	U
2-butanone	ND	9	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	**126**	2	"	"	"	"	"	"	
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**205**	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	9	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	9	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	3	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*		*79-131*	"	"	"	"	
Surrogate: Toluene-d8		*92.7 %*		*85-115*	"	"	"	"	
Surrogate: Bromofluorobenzene		*101 %*		*85-120*	"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-5 14-16' (5I09022-03RE2) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	2460	ug/kg dry	2	AI52010	09/20/05	09/20/05	8260	U
vinyl chloride	ND	2460	"	"	"	"	"	"	U
bromomethane	ND	2460	"	"	"	"	"	"	U
chloroethane	ND	2460	"	"	"	"	"	"	U
1,1-dichloroethene	ND	491	"	"	"	"	"	"	U
acetone	ND	2460	"	"	"	"	"	"	U
carbon disulfide	ND	491	"	"	"	"	"	"	U
methylene chloride	ND	491	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	491	"	"	"	"	"	"	U
1,1-dichloroethane	ND	491	"	"	"	"	"	"	U
vinyl acetate	ND	2460	"	"	"	"	"	"	U
2-butanone	ND	2460	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	491	"	"	"	"	"	"	U
chloroform	ND	491	"	"	"	"	"	"	U
1,1,1-trichloroethane	**3840**	491	"	"	"	"	"	"	
carbon tetrachloride	ND	491	"	"	"	"	"	"	U
benzene	ND	491	"	"	"	"	"	"	U
1,2-dichloroethane	ND	491	"	"	"	"	"	"	U
trichloroethene	**2760**	491	"	"	"	"	"	"	
1,2-dichloropropane	ND	491	"	"	"	"	"	"	U
bromodichloromethane	ND	491	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	2460	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	491	"	"	"	"	"	"	U
toluene	ND	491	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	491	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	491	"	"	"	"	"	"	U
2-hexanone	ND	2460	"	"	"	"	"	"	U
tetrachloroethene	ND	491	"	"	"	"	"	"	U
dibromochloromethane	ND	491	"	"	"	"	"	"	U
chlorobenzene	ND	491	"	"	"	"	"	"	U
ethylbenzene	ND	491	"	"	"	"	"	"	U
m,p-xylene	ND	983	"	"	"	"	"	"	U
o-xylene	ND	491	"	"	"	"	"	"	U
styrene	ND	491	"	"	"	"	"	"	U
bromoform	ND	491	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	491	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*104 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-5 18-20' (5I09022-04RE2) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	2500	ug/kg dry	2	AI52010	09/20/05	09/20/05	8260	U
vinyl chloride	ND	2500	"	"	"	"	"	"	U
bromomethane	ND	2500	"	"	"	"	"	"	U
chloroethane	ND	2500	"	"	"	"	"	"	U
1,1-dichloroethene	ND	500	"	"	"	"	"	"	U
acetone	ND	2500	"	"	"	"	"	"	U
carbon disulfide	ND	500	"	"	"	"	"	"	U
methylene chloride	ND	500	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	500	"	"	"	"	"	"	U
1,1-dichloroethane	ND	500	"	"	"	"	"	"	U
vinyl acetate	ND	2500	"	"	"	"	"	"	U
2-butanone	ND	2500	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	500	"	"	"	"	"	"	U
chloroform	ND	500	"	"	"	"	"	"	U
1,1,1-trichloroethane	**17300**	500	"	"	"	"	"	"	
carbon tetrachloride	ND	500	"	"	"	"	"	"	U
benzene	ND	500	"	"	"	"	"	"	U
1,2-dichloroethane	ND	500	"	"	"	"	"	"	U
trichloroethene	**6040**	500	"	"	"	"	"	"	
1,2-dichloropropane	ND	500	"	"	"	"	"	"	U
bromodichloromethane	ND	500	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	2500	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	500	"	"	"	"	"	"	U
toluene	ND	500	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	500	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	500	"	"	"	"	"	"	U
2-hexanone	ND	2500	"	"	"	"	"	"	U
tetrachloroethene	ND	500	"	"	"	"	"	"	U
dibromochloromethane	ND	500	"	"	"	"	"	"	U
chlorobenzene	ND	500	"	"	"	"	"	"	U
ethylbenzene	ND	500	"	"	"	"	"	"	U
m,p-xylene	ND	1000	"	"	"	"	"	"	U
o-xylene	ND	500	"	"	"	"	"	"	U
styrene	ND	500	"	"	"	"	"	"	U
bromoform	ND	500	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	500	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*108 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-6 6-8' (5I09022-05RE1) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	10	ug/kg dry	1	AI51603	09/16/05	09/16/05	8260	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	**12**	10	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**9**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	**69**	2	"	"	"	"	"	"	
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**340**	2	"	"	"	"	"	"	E
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	**4**	2	"	"	"	"	"	"	
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	4	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	*93.7 %*	*79-131*			"	"	"	"	
Surrogate: Toluene-d8	*93.0 %*	*85-115*			"	"	"	"	
Surrogate: Bromofluorobenzene	*101 %*	*85-120*			"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-6 10-12' (5I09022-06RE1) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	8	ug/kg dry	1	AI51603	09/16/05	09/16/05	8260	U
vinyl chloride	ND	8	"	"	"	"	"	"	U
bromomethane	ND	8	"	"	"	"	"	"	U
chloroethane	ND	8	"	"	"	"	"	"	U
1,1-dichloroethene	**60**	2	"	"	"	"	"	"	
acetone	**38**	8	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**678**	2	"	"	"	"	"	"	E
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	**12**	2	"	"	"	"	"	"	
vinyl acetate	ND	8	"	"	"	"	"	"	U
2-butanone	**17**	8	"	"	"	"	"	"	
cis-1,2-dichloroethene	**8**	2	"	"	"	"	"	"	
chloroform	**10**	2	"	"	"	"	"	"	
1,1,1-trichloroethane	**7000**	2	"	"	"	"	"	"	E
carbon tetrachloride	**5**	2	"	"	"	"	"	"	
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	**12**	2	"	"	"	"	"	"	
trichloroethene	**11100**	2	"	"	"	"	"	"	E
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	8	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	**65**	2	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	**293**	2	"	"	"	"	"	"	E
2-hexanone	ND	8	"	"	"	"	"	"	U
tetrachloroethene	**16**	2	"	"	"	"	"	"	
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	**9**	2	"	"	"	"	"	"	
m,p-xylene	**17**	3	"	"	"	"	"	"	
o-xylene	**10**	2	"	"	"	"	"	"	
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	**12**	2	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.3 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*92.3 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*104 %*	*85-120*		"	"	"	"	

Scvenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-6 14-16' (5I09022-07RE1) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	2400	ug/kg dry	2	AI51908	09/19/05	09/19/05	8260	U
vinyl chloride	ND	2400	"	"	"	"	"	"	U
bromomethane	ND	2400	"	"	"	"	"	"	U
chloroethane	ND	2400	"	"	"	"	"	"	U
1,1-dichloroethene	ND	480	"	"	"	"	"	"	U
acetone	ND	2400	"	"	"	"	"	"	U
carbon disulfide	ND	480	"	"	"	"	"	"	U
methylene chloride	ND	480	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	480	"	"	"	"	"	"	U
1,1-dichloroethane	ND	480	"	"	"	"	"	"	U
vinyl acetate	ND	2400	"	"	"	"	"	"	U
2-butanone	ND	2400	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	480	"	"	"	"	"	"	U
chloroform	ND	480	"	"	"	"	"	"	U
1,1,1-trichloroethane	**1150000**	12000	"	50	"	"	09/20/05	"	D
carbon tetrachloride	ND	480	"	2	"	"	09/19/05	"	U
benzene	ND	480	"	"	"	"	"	"	U
1,2-dichloroethane	ND	480	"	"	"	"	"	"	U
trichloroethene	**704000**	12000	"	50	"	"	09/20/05	"	D
1,2-dichloropropane	ND	480	"	2	"	"	09/19/05	"	U
bromodichloromethane	ND	480	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	2400	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	480	"	"	"	"	"	"	U
toluene	**3750**	480	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	480	"	"	"	"	"	"	U
1,1,2-trichloroethane	**3380**	480	"	"	"	"	"	"	
2-hexanone	ND	2400	"	"	"	"	"	"	U
tetrachloroethene	**1280**	480	"	"	"	"	"	"	
dibromochloromethane	ND	480	"	"	"	"	"	"	U
chlorobenzene	ND	480	"	"	"	"	"	"	U
ethylbenzene	ND	480	"	"	"	"	"	"	U
m,p-xylene	**1880**	959	"	"	"	"	"	"	
o-xylene	**641**	480	"	"	"	"	"	"	
styrene	ND	480	"	"	"	"	"	"	U
bromoform	ND	480	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	480	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*98.3 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*105 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-6 18-20' (5I09022-08RE1) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	15	ug/kg dry	1	AI51603	09/16/05	09/16/05	8260	U
vinyl chloride	ND	15	"	"	"	"	"	"	U
bromomethane	ND	15	"	"	"	"	"	"	U
chloroethane	ND	15	"	"	"	"	"	"	U
1,1-dichloroethene	**87**	3	"	"	"	"	"	"	
acetone	**126**	15	"	"	"	"	"	"	
carbon disulfide	ND	3	"	"	"	"	"	"	U
methylene chloride	**60**	3	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	3	"	"	"	"	"	"	U
1,1-dichloroethane	**42**	3	"	"	"	"	"	"	
vinyl acetate	ND	15	"	"	"	"	"	"	U
2-butanone	**25**	15	"	"	"	"	"	"	
cis-1,2-dichloroethene	**11**	3	"	"	"	"	"	"	
chloroform	ND	3	"	"	"	"	"	"	U
1,1,1-trichloroethane	**97800**	1150	"	371.26	"	"	"	"	D
carbon tetrachloride	ND	3	"	1	"	"	"	"	U
benzene	ND	3	"	"	"	"	"	"	U
1,2-dichloroethane	ND	3	"	"	"	"	"	"	U
trichloroethene	**51800**	1150	"	371.26	"	"	"	"	D
1,2-dichloropropane	ND	3	"	1	"	"	"	"	U
bromodichloromethane	ND	3	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	15	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	3	"	"	"	"	"	"	U
toluene	ND	3	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	3	"	"	"	"	"	"	U
1,1,2-trichloroethane	**4**	3	"	"	"	"	"	"	
2-hexanone	ND	15	"	"	"	"	"	"	U
tetrachloroethene	ND	3	"	"	"	"	"	"	U
dibromochloromethane	ND	3	"	"	"	"	"	"	U
chlorobenzene	ND	3	"	"	"	"	"	"	U
ethylbenzene	ND	3	"	"	"	"	"	"	U
m,p-xylene	ND	6	"	"	"	"	"	"	U
o-xylene	ND	3	"	"	"	"	"	"	U
styrene	ND	3	"	"	"	"	"	"	U
bromoform	ND	3	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	3	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*91.7 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*102 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-7 6-8' (5109022-09RE1) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	9	ug/kg dry	1	AI51909	09/19/05	09/19/05	8260	U
vinyl chloride	ND	9	"	"	"	"	"	"	U
bromomethane	ND	9	"	"	"	"	"	"	U
chloroethane	ND	9	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	**22**	9	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	ND	2	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	9	"	"	"	"	"	"	U
2-butanone	ND	9	"	"	"	"	"	"	U
cis-1,2-dichloroethene	3	2	"	"	"	"	"	"	
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	5	2	"	"	"	"	"	"	
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	17	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	9	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	9	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	3	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	*86.0 %*	*79-131*		"	"	"	"		
Surrogate: Toluene-d8	*90.7 %*	*85-115*		"	"	"	"		
Surrogate: Bromofluorobenzene	*101 %*	*85-120*		"	"	"	"		

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-7 10-12' (5I09022-10RE1) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	8	ug/kg dry	1	AI51909	09/19/05	09/19/05	8260	U
vinyl chloride	ND	8	"	"	"	"	"	"	U
bromomethane	ND	8	"	"	"	"	"	"	U
chloroethane	ND	8	"	"	"	"	"	"	U
1,1-dichloroethene	**3**	2	"	"	"	"	"	"	
acetone	**13**	8	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**3**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	8	"	"	"	"	"	"	U
2-butanone	ND	8	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	**523**	2	"	"	"	"	"	"	E
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**410**	2	"	"	"	"	"	"	E
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	8	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	8	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	3	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*80.0 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*91.3 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*103 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-7 14-16' (5I09022-11RE1) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	9	ug/kg dry	1	AI51909	09/19/05	09/19/05	8260	U
vinyl chloride	ND	9	"	"	"	"	"	"	U
bromomethane	ND	9	"	"	"	"	"	"	U
chloroethane	ND	9	"	"	"	"	"	"	U
1,1-dichloroethene	**1690**	2	"	"	"	"	"	"	E
acetone	**28**	9	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**14**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	**12**	2	"	"	"	"	"	"	
vinyl acetate	ND	9	"	"	"	"	"	"	U
2-butanone	ND	9	"	"	"	"	"	"	U
cis-1,2-dichloroethene	**2**	2	"	"	"	"	"	"	
chloroform	**3**	2	"	"	"	"	"	"	
1,1,1-trichloroethane	**30700**	2	"	"	"	"	"	"	E
carbon tetrachloride	**529**	2	"	"	"	"	"	"	E
benzene	**3**	2	"	"	"	"	"	"	
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**38800**	2	"	"	"	"	"	"	E
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	9	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	**4490**	2	"	"	"	"	"	"	E
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	**26**	2	"	"	"	"	"	"	
2-hexanone	ND	9	"	"	"	"	"	"	U
tetrachloroethene	**3790**	2	"	"	"	"	"	"	E
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	**191**	2	"	"	"	"	"	"	
ethylbenzene	**2070**	2	"	"	"	"	"	"	E
m,p-xylene	**6350**	4	"	"	"	"	"	"	E
o-xylene	**2630**	2	"	"	"	"	"	"	E
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	17	2	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*67.3 %*	*79-131*		"	"	"	"	*S-04*
Surrogate: Toluene-d8		*85.0 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*96.0 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-7 18-20' (5I09022-12RE1) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	9	ug/kg dry	1	AI51909	09/19/05	09/19/05	8260	U
vinyl chloride	ND	9	"	"	"	"	"	"	U
bromomethane	ND	9	"	"	"	"	"	"	U
chloroethane	ND	9	"	"	"	"	"	"	U
1,1-dichloroethene	**36**	2	"	"	"	"	"	"	
acetone	**46**	9	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**8**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	**27**	2	"	"	"	"	"	"	
vinyl acetate	ND	9	"	"	"	"	"	"	U
2-butanone	ND	9	"	"	"	"	"	"	U
cis-1,2-dichloroethene	**3**	2	"	"	"	"	"	"	
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	**701**	2	"	"	"	"	"	"	E
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**61**	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	9	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	9	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	4	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*79.0 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*90.0 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*106 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-8 6-8' (5I09022-13RE1) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
chloromethane	ND	9	ug/kg dry	1	AI51909	09/19/05	09/19/05	8260	U
vinyl chloride	ND	9	"	"	"	"	"	"	U
bromomethane	ND	9	"	"	"	"	"	"	U
chloroethane	ND	9	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	**26**	9	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**2**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	9	"	"	"	"	"	"	U
2-butanone	ND	9	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	**10**	2	"	"	"	"	"	"	
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**20**	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	9	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	9	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	3	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*79.0 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*89.3 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*100 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-8 10-12' (5I09022-14RE1) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	8	ug/kg dry	1	AI51909	09/19/05	09/19/05	8260	U
vinyl chloride	ND	8	"	"	"	"	"	"	U
bromomethane	ND	8	"	"	"	"	"	"	U
chloroethane	ND	8	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	**19**	8	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**4**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	8	"	"	"	"	"	"	U
2-butanone	ND	8	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	**36**	2	"	"	"	"	"	"	
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**82**	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	8	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	8	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	3	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	*79.3 %*	*79-131*			"	"	"	"	
Surrogate: Toluene-d8	*88.0 %*	*85-115*			"	"	"	"	
Surrogate: Bromofluorobenzene	*101 %*	*85-120*			"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-8 14-16' (5I09022-15RE2) Soil	**Sampled: 09/08/05 00:00**		**Received: 09/09/05 09:40**						
chloromethane	ND	8	ug/kg dry	1	AI52011	09/19/05	09/20/05	8260	U
vinyl chloride	ND	8	"	"	"	"	"	"	U
bromomethane	ND	8	"	"	"	"	"	"	U
chloroethane	ND	8	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	**20**	8	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**14**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	8	"	"	"	"	"	"	U
2-butanone	ND	8	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	**59**	2	"	"	"	"	"	"	
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**149**	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	8	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	8	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	3	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*98.0 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-8 18-20' (5I09022-16RE1) Soil	**Sampled: 09/08/05 00:00**	**Received: 09/09/05 09:40**							
chloromethane	ND	10	ug/kg dry	1	AI51909	09/19/05	09/19/05	8260	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	**176**	2	"	"	"	"	"	"	
acetone	**51**	10	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	**9**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	**39**	2	"	"	"	"	"	"	
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
cis-1,2-dichloroethene	**15**	2	"	"	"	"	"	"	
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	**2580**	2	"	"	"	"	"	"	E
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**56**	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	4	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*89.7 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*102 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Conventional Chemistry Parameters by EPA Methods

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-5 6-8' (5I09022-01) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	85.0	0.1	%	1	AI51912	09/16/05	09/19/05	% calculation	
ISB-5 10-12' (5I09022-02) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	80.8	0.1	%	1	AI51912	09/16/05	09/19/05	% calculation	
ISB-5 14-16' (5I09022-03) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	82.0	0.1	%	1	AI51912	09/16/05	09/19/05	% calculation	
ISB-5 18-20' (5I09022-04) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	86.1	0.1	%	1	AI51912	09/16/05	09/19/05	% calculation	
ISB-6 6-8' (5I09022-05) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	83.9	0.1	%	1	AI51912	09/16/05	09/19/05	% calculation	
ISB-6 10-12' (5I09022-06) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	81.3	0.1	%	1	AI51912	09/16/05	09/19/05	% calculation	
ISB-6 14-16' (5I09022-07) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	82.3	0.1	%	1	AI51912	09/16/05	09/19/05	% calculation	
ISB-6 18-20' (5I09022-08) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	86.4	0.1	%	1	AI51912	09/16/05	09/19/05	% calculation	
ISB-7 6-8' (5I09022-09) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	83.1	0.1	%	1	AI52008	09/19/05	09/20/05	% calculation	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Conventional Chemistry Parameters by EPA Methods

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-7 10-12' (5I09022-10) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	81.7	0.1	%	1	AI52008	09/19/05	09/20/05	% calculation	
ISB-7 14-16' (5I09022-11) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	81.2	0.1	%	1	AI52008	09/19/05	09/20/05	% calculation	
ISB-7 18-20' (5I09022-12) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	85.1	0.1	%	1	AI52008	09/19/05	09/20/05	% calculation	
ISB-8 6-8' (5I09022-13) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	83.4	0.1	%	1	AI52008	09/19/05	09/20/05	% calculation	
ISB-8 10-12' (5I09022-14) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	79.5	0.1	%	1	AI52008	09/19/05	09/20/05	% calculation	
ISB-8 14-16' (5I09022-15) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	78.8	0.1	%	1	AI52008	09/19/05	09/20/05	% calculation	
ISB-8 18-20' (5I09022-16) Soil Sampled: 09/08/05 00:00 Received: 09/09/05 09:40									
% Solids	85.9	0.1	%	1	AI52008	09/19/05	09/20/05	% calculation	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal, NY	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	09/27/05 11:21

Notes and Definitions

U	Analyte included in the analysis, but not detected
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
D	This flag assigned to compounds identified in an analysis at a secondary dilution factor.
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

CHAIN OF CUSTODY

WASTE STREAM TECHNOLOGY

Waste Stream Technology Inc.
302 Grote Street, Buffalo, NY 14207
(716) 876-5290 • FAX (716) 876-2412

OFFICE USE ONLY
GROUP # 5I09022
DUE DATE

PAGE ____ OF ____

REPORT TO: Cassandra Marshall
104 Lakeview Dr.
Chalfont, PA
(Severson)
CONTACT
PH. # ( ) 610-388-0721
FAX # ( ) 610-388-0731
BILL TO:
PO#
PROJECT DESCRIPTION
SAMPLER SIGNATURE

DW DRINKING WATER
GW GROUND WATER
SW SURFACE WATER
WW WASTE WATER
O OIL
SL SLUDGE
SO SOIL
S SOLID
W WIPE
OTHER

TURN AROUND TIME: 14 Day
QUOTATION NUMBER:

ARE SPECIAL DETECTION LIMITS REQUIRED: YES NO
If yes please attach requirements.

Is a QC Package required: YES NO
If yes please attach requirements

ANALYSES TO BE PERFORMED

	SAMPLE I.D.	DATE SAMPLED	TIME OF SAMPLING	SAMPLE TYPE	TOTAL NO. OF CONTAINERS	8260B - TCL	TYPE OF CONTAINER/ COMMENTS:	OFFICE USE ONLY WST. I.D.
1	ISB-5 6-8'	9/8/05		SO	3	X	1 glass jar	01
2	ISB-5 10-12'						2 Encore Samplers	02
3	ISB-5 14-16'						per Sample	03
4	ISB-5 18-20'						location	04
5	ISB-6 6-8'							05
6	ISB-6 10-12'							06
7	ISB-6 14-16'							07
8	ISB-6 18-20'							08
9	ISB-7 6-8'							09
10	ISB-7 10-12'							10

REMARKS:

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
	9/8/05	14:00			
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
	/ /			/ /	

SEP.27.2005 11:39AM NO.514 P.23/24

CHAIN OF CUSTODY

WASTE STREAM TECHNOLOGY

Waste Stream Technology Inc.
302 Grote Street, Buffalo, NY 14207
(716) 876-5290 • FAX (716) 876-2412

OFFICE USE ONLY
GROUP # SI09022
DUE DATE

ARE SPECIAL DETECTION LIMITS REQUIRED:
YES NO
If yes please attach requirements

TURN AROUND TIME:
14 Day
QUOTATION NUMBER:

Is a QC Package required:
YES NO
If yes please attach requirements

DW DRINKING WATER
GW GROUND WATER
SW SURFACE WATER
WW WASTE WATER
O OIL
SL SLUDGE
SO SOIL
S SOLID
W WIPE
OTHER

REPORT TO: Swanson
104 Lakeview Dr
Chadds Ford, PA

CONTACT Cassandra Marshall
PH. # ( ) 610-388-0721
FAX # ( ) 610-388-0731
BILL TO: ↑

PO#

PROJECT DESCRIPTION

SAMPLER SIGNATURE

ANALYSES TO BE PERFORMED

	SAMPLE I.D.		DATE SAMPLED	TIME OF SAMPLING	SAMPLE TYPE	TOTAL NO. OF CONTAINERS	8260B - TCL								TYPE OF CONTAINER/ COMMENTS:	OFFICE USE ONLY WST. I.D.
1	ISB-7	14-16'	9/6/05		SO	3	X								1 glass jar	11
2	ISB-7	18-20'													and 2 encore	12
3	ISB-8	6-8'													for each sample	13
4	ISB-8	10-12'													location	14
5	ISB-8	14-16'														15
6	ISB-8	18-20'	↓		↓	↓	↓									16
7																
8																
9																
10																

REMARKS:

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
	9/8/05	14:00		9/9/05	09:40
RELINQUISHED BY:	DATE: / /	TIME:	RECEIVED BY:	DATE: / /	TIME:

GROUNDWATER SAMPLING EVENT

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 10/07/05
Work Order Number: 5I23002

Prepared For
Cassandra Marshall
Sevenson/G-Jobs
104 Lakeview Drive
Chaddsford, PA 19317
Fax: (610) 388-0731
Site: S.E.S. - Vestal

Enclosed are the results of analyses for samples received by the laboratory on 09/23/05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: S.E.S. - Vestal	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	10/07/05 09:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TMW-1	5I23002-01	Water	09/21/05 11:40	09/23/05 09:15
Trip Blank	5I23002-02	Water	09/21/05 00:00	09/23/05 09:15

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: S.E.S. - Vestal	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	10/07/05 09:59

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TMW-1 (5I23002-01) Water	**Sampled: 09/21/05 11:40**	**Received: 09/23/05 09:15**							
chloromethane	ND	2	ug/l	1	AJ50302	10/03/05	10/03/05	8260	U
vinyl chloride	**3**	1	"	"	"	"	"	"	
bromomethane	ND	2	"	"	"	"	"	"	U
chloroethane	**88**	2	"	"	"	"	"	"	
1,1-dichloroethene	**3130**	50	"	50	"	"	"	"	
acetone	ND	10	"	1	"	"	"	"	U
carbon disulfide	**2**	1	"	"	"	"	"	"	
methylene chloride	**183**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	**5**	1	"	"	"	"	"	"	
1,1-dichloroethane	**538**	50	"	50	"	"	"	"	
vinyl acetate	ND	10	"	1	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
cis-1,2-dichloroethene	**176**	50	"	50	"	"	"	"	
chloroform	**12**	1	"	1	"	"	"	"	
1,1,1-trichloroethane	**194000**	1000	"	1000	"	"	"	"	
carbon tetrachloride	**122**	1	"	1	"	"	"	"	
benzene	**2**	1	"	"	"	"	"	"	
1,2-dichloroethane	ND	1	"	"	"	"	"	"	U
trichloroethene	**33600**	1000	"	1000	"	"	"	"	D
1,2-dichloropropane	ND	1	"	1	"	"	"	"	U
bromodichloromethane	ND	1	"	"	"	"	"	"	U
2-chloroethylvinyl ether	ND	10	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	1	"	"	"	"	"	"	U
toluene	**186**	1	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	1	"	"	"	"	"	"	U
1,1,2-trichloroethane	**33**	1	"	"	"	"	"	"	
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	**28**	1	"	"	"	"	"	"	
dibromochloromethane	ND	1	"	"	"	"	"	"	U
chlorobenzene	**3**	1	"	"	"	"	"	"	
ethylbenzene	**12**	1	"	"	"	"	"	"	
m,p-xylene	**33**	2	"	"	"	"	"	"	
o-xylene	**12**	1	"	"	"	"	"	"	
styrene	ND	1	"	"	"	"	"	"	U
bromoform	ND	1	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	1	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*129 %*	*70-120*		"	"	"	"	*G*
Surrogate: Toluene-d8		*104 %*	*85-120*		"	"	"	"	
Surrogate: Bromofluorobenzene		*106 %*	*75-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: S.E.S. - Vestal	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	10/07/05 09:59

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (5I23002-02) Water	**Sampled: 09/21/05 00:00**	**Received: 09/23/05 09:15**							
chloromethane	ND	2	ug/l	1	AJ50302	10/03/05	10/03/05	8260	U
vinyl chloride	ND	1	"	"	"	"	"	"	U
bromomethane	ND	2	"	"	"	"	"	"	U
chloroethane	ND	2	"	"	"	"	"	"	U
1,1-dichloroethene	ND	1	"	"	"	"	"	"	U
acetone	ND	10	"	"	"	"	"	"	U
carbon disulfide	ND	1	"	"	"	"	"	"	U
methylene chloride	**3**	2	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	1	"	"	"	"	"	"	U
1,1-dichloroethane	ND	1	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	1	"	"	"	"	"	"	U
chloroform	ND	1	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	1	"	"	"	"	"	"	U
carbon tetrachloride	ND	1	"	"	"	"	"	"	U
benzene	ND	1	"	"	"	"	"	"	U
1,2-dichloroethane	ND	1	"	"	"	"	"	"	U
trichloroethene	ND	1	"	"	"	"	"	"	U
1,2-dichloropropane	ND	1	"	"	"	"	"	"	U
bromodichloromethane	ND	1	"	"	"	"	"	"	U
2-chloroethylvinyl ether	ND	10	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	1	"	"	"	"	"	"	U
toluene	ND	1	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	1	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	1	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	1	"	"	"	"	"	"	U
dibromochloromethane	ND	1	"	"	"	"	"	"	U
chlorobenzene	ND	1	"	"	"	"	"	"	U
ethylbenzene	ND	1	"	"	"	"	"	"	U
m,p-xylene	ND	2	"	"	"	"	"	"	U
o-xylene	ND	1	"	"	"	"	"	"	U
styrene	ND	1	"	"	"	"	"	"	U
bromoform	ND	1	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	1	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*89.3 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*85-120*		"	"	"	"	
Surrogate: Bromofluorobenzene		*99.7 %*	*75-120*		"	"	"	"	

Notes and Definitions

U	Analyte included in the analysis, but not detected
G	G denotes analyte recovery is greater than the upper quality control limit.
D	This flag assigned to compounds identified in an analysis at a secondary dilution factor.
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

CHAIN OF CUSTODY

WASTE STREAM TECHNOLOGY

Waste Stream Technology Inc.
302 Grote Street, Buffalo, NY 14207
(716) 876-5290 • FAX (716) 876-2412

OFFICE USE ONLY
GROUP # SI23002
DUE DATE

REPORT TO: Severson
104 Lakeview Dr.
Chaddsford, PA 19317

CONTACT: Cassandra Marshall
PH. # (610-388-0721
FAX # (610-388-0731
BILL TO: ↑
PO#
PROJECT DESCRIPTION
SAMPLER SIGNATURE

DW DRINKING WATER
GW GROUND WATER
SW SURFACE WATER
WW WASTE WATER
O OIL
SL SLUDGE
SO SOIL
S SOLID
W WIPE
OTHER

TURN AROUND TIME: Standard
QUOTATION NUMBER:

ARE SPECIAL DETECTION LIMITS REQUIRED: YES (NO)
If yes please attach requirements.

Is a QC Package required: YES (NO)
If yes please attach requirements

ANALYSES TO BE PERFORMED

	SAMPLE I.D.	DATE SAMPLED	TIME OF SAMPLING	SAMPLE TYPE	TOTAL NO. OF CONTAINERS	8260B										TYPE OF CONTAINER/ COMMENTS:	OFFICE USE ONLY WST. I.D.
1	TMW-1	9/21/05	11:40	GW	3												01
2	Trip Blank				3												02
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

REMARKS:

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
	9/22/05	12:20		9/23/05	09:15
RELINQUISHED BY:	DATE: / /	TIME:	RECEIVED BY:	DATE: / /	TIME:

DEEP SAMPLING EVENT

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 10/26/05
Work Order Number: 5J12013

Prepared For
Cassandra Marshall
Sevenson/G-Jobs
104 Lakeview Drive
Chaddsford, PA 19317
Fax: (610) 388-0731

Site: Vestal Area 4

Enclosed are the results of analyses for samples received by the laboratory on 10/12/05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal Area 4	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	10/26/05 16:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ISB-6 24'-26'	5J12013-01	Soil	10/11/05 00:00	10/12/05 09:30
ISB-8 24'-26'	5J12013-02	Soil	10/11/05 00:00	10/12/05 09:30

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal Area 4	Reported:
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	10/26/05 16:09

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-6 24'-26' (5J12013-01) Soil	**Sampled: 10/11/05 00:00**	**Received: 10/12/05 09:30**							
chloromethane	ND	2430	ug/kg	2	AJ51314	10/13/05	10/13/05	8260	U
vinyl chloride	ND	2430	"	"	"	"	"	"	U
bromomethane	ND	2430	"	"	"	"	"	"	U
chloroethane	ND	2430	"	"	"	"	"	"	U
1,1-dichloroethene	ND	487	"	"	"	"	"	"	U
acetone	ND	2430	"	"	"	"	"	"	U
carbon disulfide	ND	487	"	"	"	"	"	"	U
methylene chloride	**1860**	487	"	"	"	"	"	"	
trans-1,2-dichloroethene	ND	487	"	"	"	"	"	"	U
1,1-dichloroethane	ND	487	"	"	"	"	"	"	U
vinyl acetate	ND	2430	"	"	"	"	"	"	U
2-butanone	ND	2430	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	487	"	"	"	"	"	"	U
chloroform	ND	487	"	"	"	"	"	"	U
1,1,1-trichloroethane	**62300**	2430	"	10	"	"	10/17/05	"	D
carbon tetrachloride	ND	487	"	2	"	"	10/13/05	"	U
benzene	ND	487	"	"	"	"	"	"	U
1,2-dichloroethane	ND	487	"	"	"	"	"	"	U
trichloroethene	**27600**	487	"	"	"	"	"	"	
1,2-dichloropropane	ND	487	"	"	"	"	"	"	U
bromodichloromethane	ND	487	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	2430	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	487	"	"	"	"	"	"	U
toluene	ND	487	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	487	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	487	"	"	"	"	"	"	U
2-hexanone	ND	2430	"	"	"	"	"	"	U
tetrachloroethene	ND	487	"	"	"	"	"	"	U
dibromochloromethane	ND	487	"	"	"	"	"	"	U
chlorobenzene	ND	487	"	"	"	"	"	"	U
ethylbenzene	ND	487	"	"	"	"	"	"	U
m,p-xylene	ND	973	"	"	"	"	"	"	U
o-xylene	ND	487	"	"	"	"	"	"	U
styrene	ND	487	"	"	"	"	"	"	U
bromoform	ND	487	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	487	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4		*81.3 %*	*79-131*		"	"	"	"	
Surrogate: Toluene-d8		*89.3 %*	*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene		*92.3 %*	*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal Area 4	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	10/26/05 16:09

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-8 24'-26' (5J12013-02RE1) Soil	**Sampled: 10/11/05 00:00**		**Received: 10/12/05 09:30**						
chloromethane	ND	8	ug/kg dry	1	AJ52006	10/13/05	10/20/05	8260	U
vinyl chloride	ND	8	"	"	"	"	"	"	U
bromomethane	ND	8	"	"	"	"	"	"	U
chloroethane	ND	8	"	"	"	"	"	"	U
1,1-dichloroethene	**2**	2	"	"	"	"	"	"	
acetone	**39**	8	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	ND	2	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	8	"	"	"	"	"	"	U
2-butanone	ND	8	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	**92**	2	"	"	"	"	"	"	
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	**61**	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	8	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	8	"	"	"	"	"	"	U
tetrachloroethene	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U
m,p-xylene	ND	3	"	"	"	"	"	"	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	*111 %*		*79-131*		"	"	"	"	
Surrogate: Toluene-d8	*99.7 %*		*85-115*		"	"	"	"	
Surrogate: Bromofluorobenzene	*102 %*		*85-120*		"	"	"	"	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal Area 4	Reported:
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	10/26/05 16:09

Conventional Chemistry Parameters by EPA Methods

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ISB-6 24'-26' (5J12013-01) Soil	**Sampled: 10/11/05 00:00**	**Received: 10/12/05 09:30**							
% Solids	84.3	0.1	%	1	AJ51415	10/13/05	10/14/05	% calculation	
ISB-8 24'-26' (5J12013-02) Soil	**Sampled: 10/11/05 00:00**	**Received: 10/12/05 09:30**							
% Solids	83.0	0.1	%	1	AJ51415	10/13/05	10/14/05	% calculation	

Sevenson/G-Jobs	Project: Vestal	
104 Lakeview Drive	Project Number: Vestal Area 4	**Reported:**
Chaddsford PA, 19317	Project Manager: Cassandra Marshall	10/26/05 16:09

Notes and Definitions

U	Analyte included in the analysis, but not detected
D	This flag assigned to compounds identified in an analysis at a secondary dilution factor.
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

5512013

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

No. 0697 P. 8/8

Client: Sevenson	Project Manager: Cassandra Marshall	Date: 10/11/05	Chain of Custody Number: 211354
Address: 104 Lakeview Dr.	Telephone Number (Area Code)/Fax Number: 610-388-0721 / 610-388-0731	Lab Number	Page 1 of 1
City: Chaddsford	State: PA	Zip Code	Site Contact	Lab Contact
Project Name and Location (State): Vestal Area 4 NY	Carrier/Waybill Number	
Contract/Purchase Order/Quote No.		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Other	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): 8260B TCL	Special Instructions/ Conditions of Receipt
SB-6 24'-26'	10/11/05					X		3						X	1 glass jar and 2 encore for each sample
SB-8 24-26'	10/11/05					X		3						X	

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: STANDARD

[ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [ ] Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10/11/05	10:30	1. Received By	10-12-05	09:30
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Oct. 27. 2005 4:34PM

APPENDIX B
Well Boring Logs

PLOT SCALE: 5

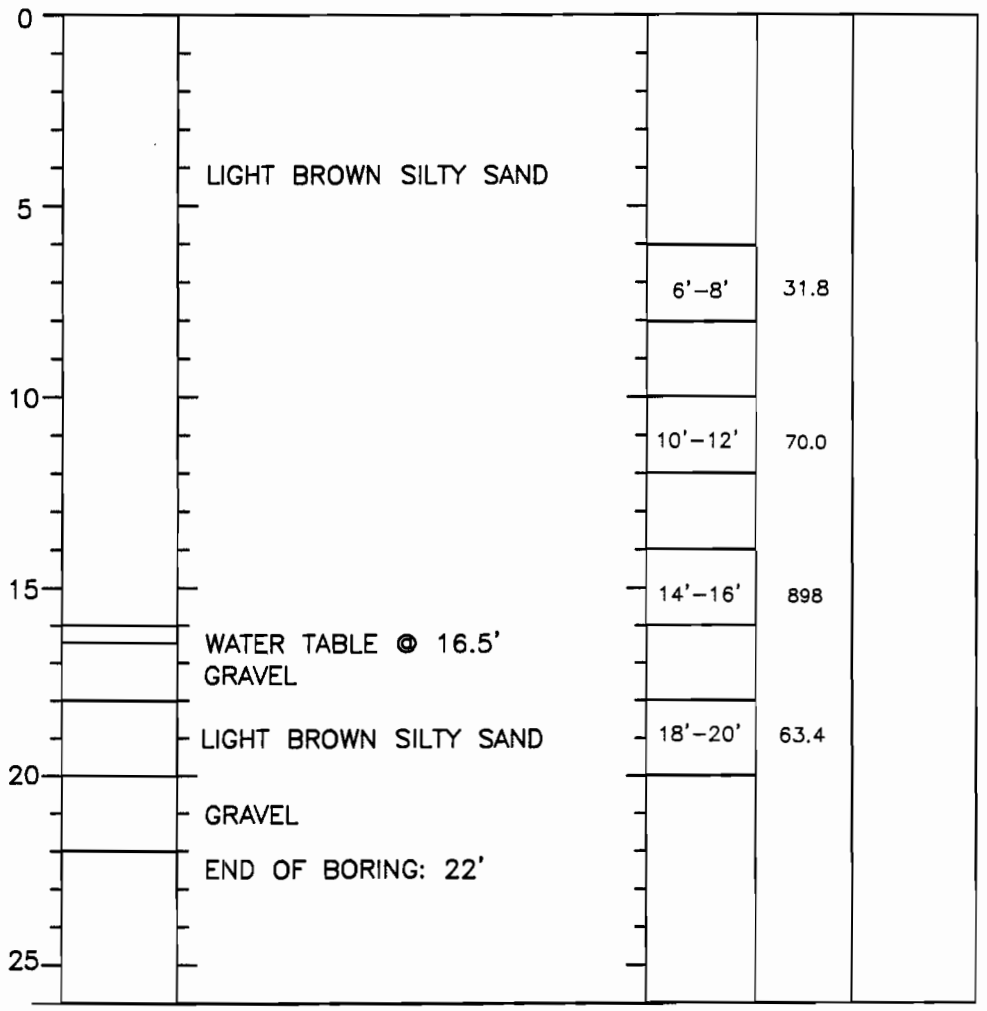
Shaw

103 COLLEGE AVE, SE
GRAND RAPIDS, MICHIGAN 49503

VESTAL AREA 4
VESTAL, NEW YORK

ISB-6

PROJECT NUMBER: 681086	LOGGED BY: J. KARNES
DRILLING CO: GEOLOGIC	DATE DRILLED: 9-8-05
BORING METHOD: GEOPROBE	
SAMPLING METHOD: 4' X 2" MACROSAMPLER	
FIELD SCREENING EQUIP.: PID	
ANALYTICAL METHOD:	
NOTES:	
DRAWING NO.: ISB-6	



PLOT SCALE: 5

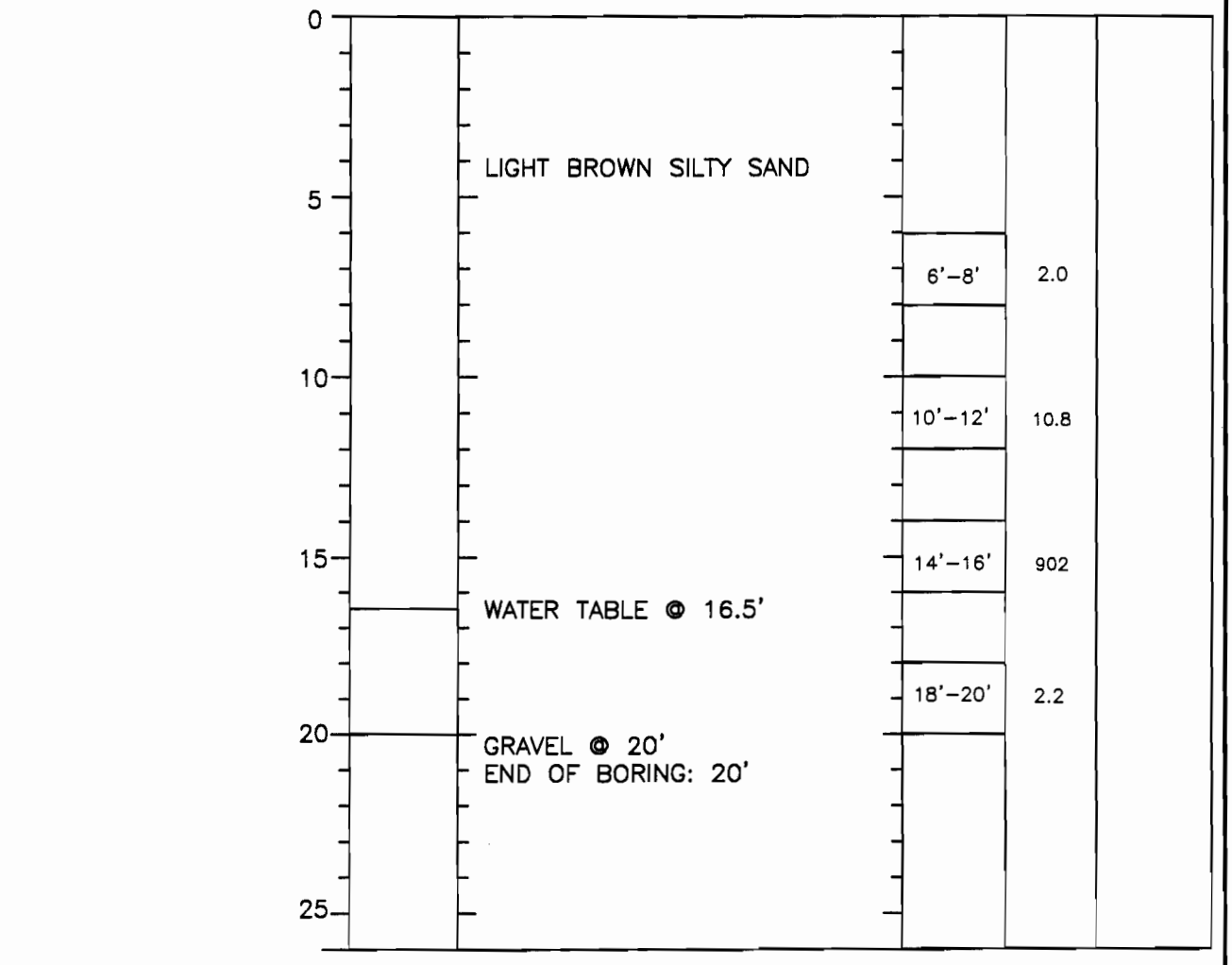
Shaw®

103 COLLEGE AVE, SE
GRAND RAPIDS, MICHIGAN 49503

VESTAL AREA 4
VESTAL, NEW YORK

ISB-7

PROJECT NUMBER: 681086	LOGGED BY: J. KARNES
DRILLING CO: GEOLOGIC	DATE DRILLED: 9-8-05
BORING METHOD: GEOPROBE	
SAMPLING METHOD: 4' X 2" MACROSAMPLER	
FIELD SCREENING EQUIP.: PID	
ANALYTICAL METHOD:	
NOTES:	
DRAWING NO.: ISB-7	



PLOT SCALE: 5

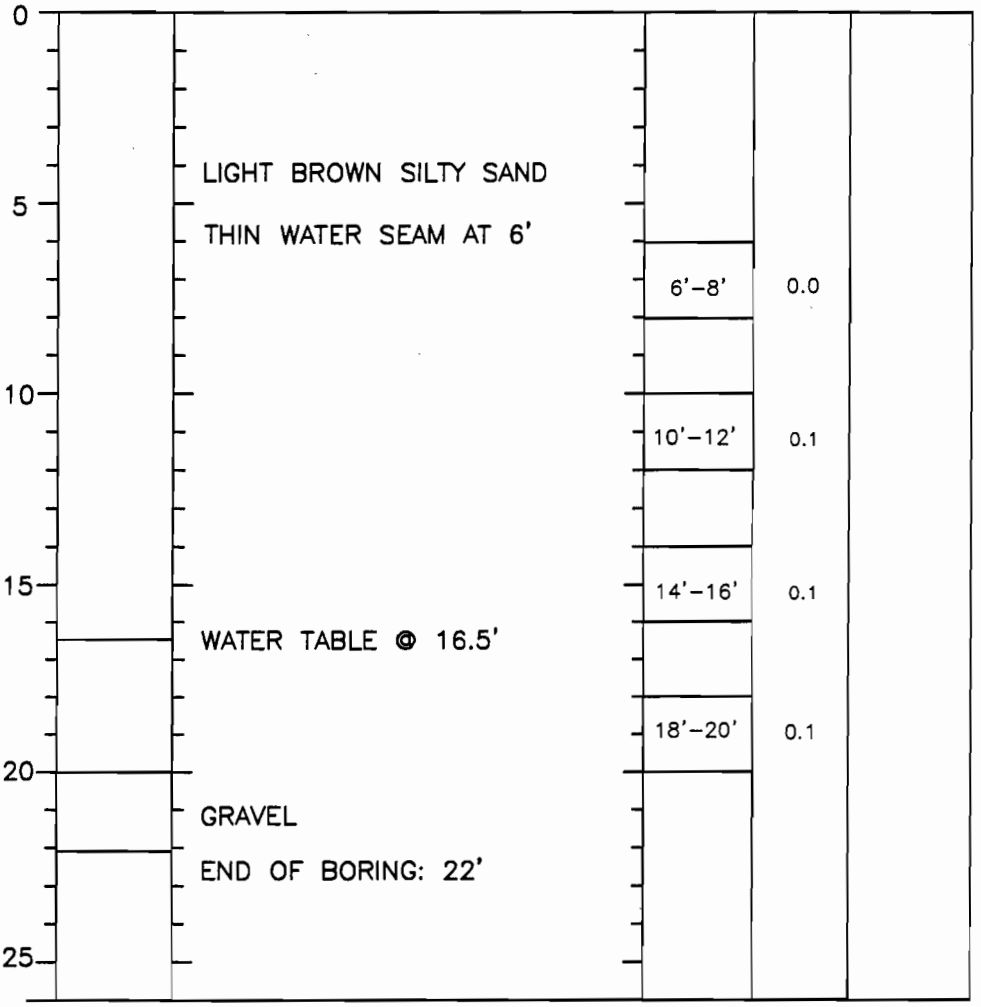
Shaw

103 COLLEGE AVE, SE
GRAND RAPIDS, MICHIGAN 49503

VESTAL AREA 4
VESTAL, NEW YORK

ISB-8

PROJECT NUMBER: 681086	LOGGED BY: J. KARNES
DRILLING CO: GEOLOGIC	DATE DRILLED: 9-8-05
BORING METHOD: GEOPROBE	
SAMPLING METHOD: 4' X 2" MACROSAMPLER	
FIELD SCREENING EQUIP.: PID	
ANALYTICAL METHOD:	
NOTES:	
DRAWING NO.: ISB-8	



PLOT SCALE: 5

Shaw®

103 COLLEGE AVE, SE
GRAND RAPIDS, MICHIGAN 49503

VESTAL AREA 4
VESTAL, NEW YORK

ISB-5

PROJECT NUMBER: 681086	LOGGED BY: J. KARNES
DRILLING CO: GEOLOGIC	DATE DRILLED: 9-8-05
BORING METHOD: GEOPROBE	
SAMPLING METHOD: 4' X 2" MACROSAMPLER	
FIELD SCREENING EQUIP.: PID	
ANALYTICAL METHOD:	
NOTES:	
DRAWING NO.: ISB-5