

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:

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A. LaGreca (Sevenson)

J. Singer (Sevenson)

D. Callahan (Envirogen)

B. Buckrucker (USACE)

F. Bales (USACE)

S. Trocher (USEPA)

M. Dunham (NYSDEC)

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SHEET ____ OF ___

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.

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SEVENSON ENVIRONMENTAL SERVICES, INC.

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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 Sevenson Environmental Services, Inc.

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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.

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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:

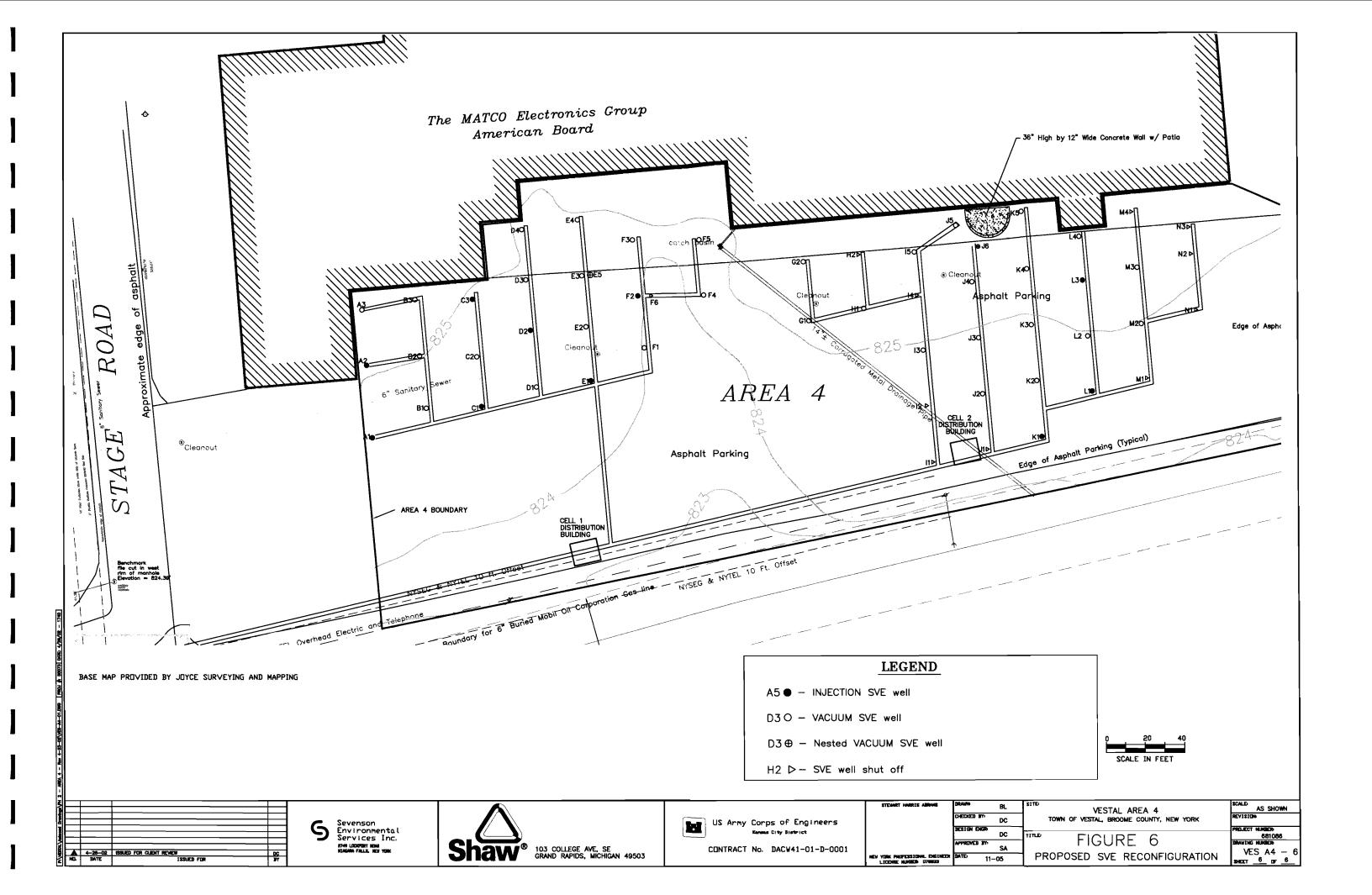
- SVE wells D3 and E2 will be converted from injection to vacuum.
- Wells C3 and E1 will be converted from vacuum to injection.

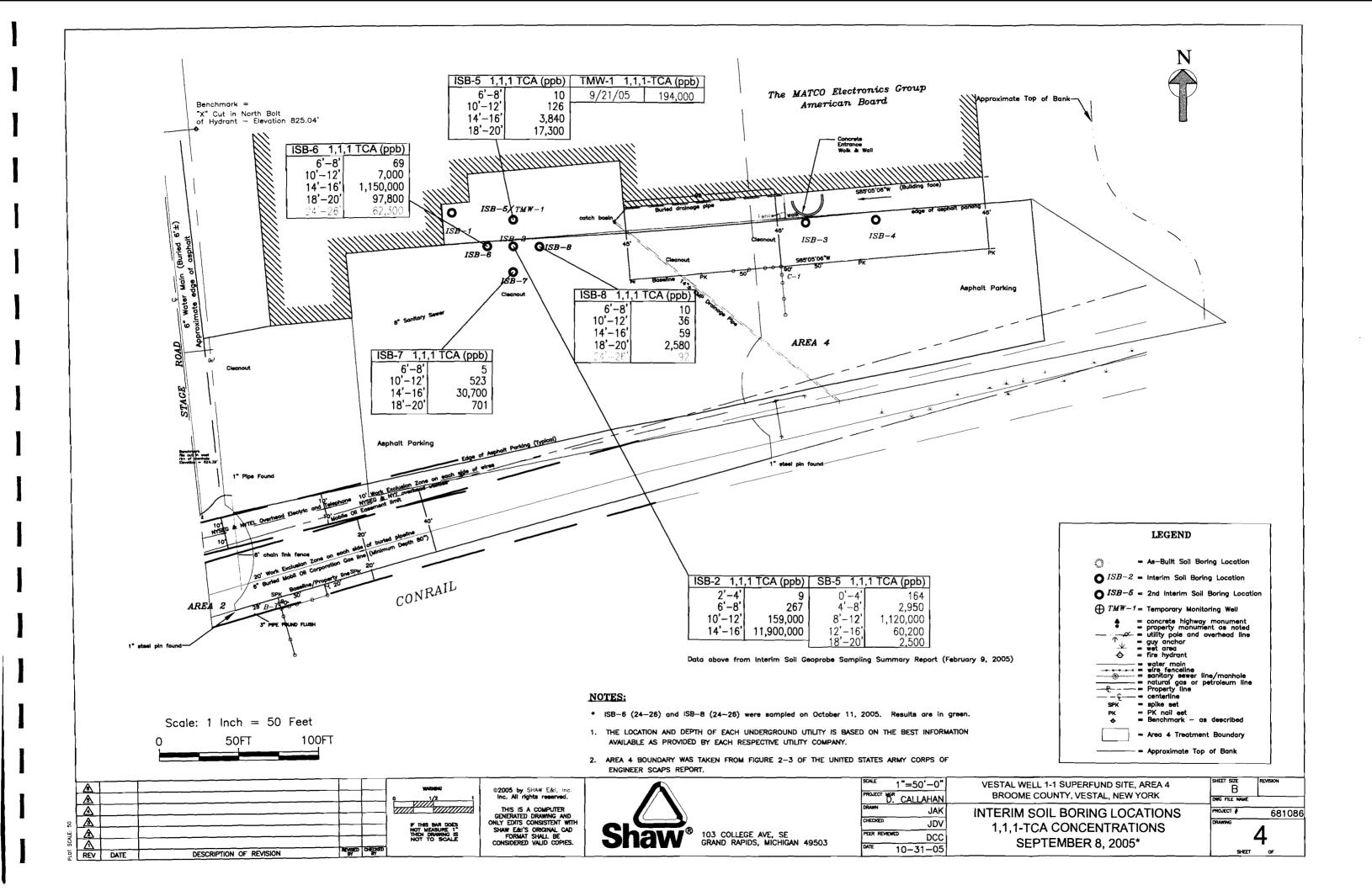
These changes in well field polarity will focus more on the area around ISB-6, where the highest soil contaminant concentrations are located. These alterations should increase localized treatment efficiency allowing for increased contaminant recovery. Figure 6 shows the proposed well reconfiguration.

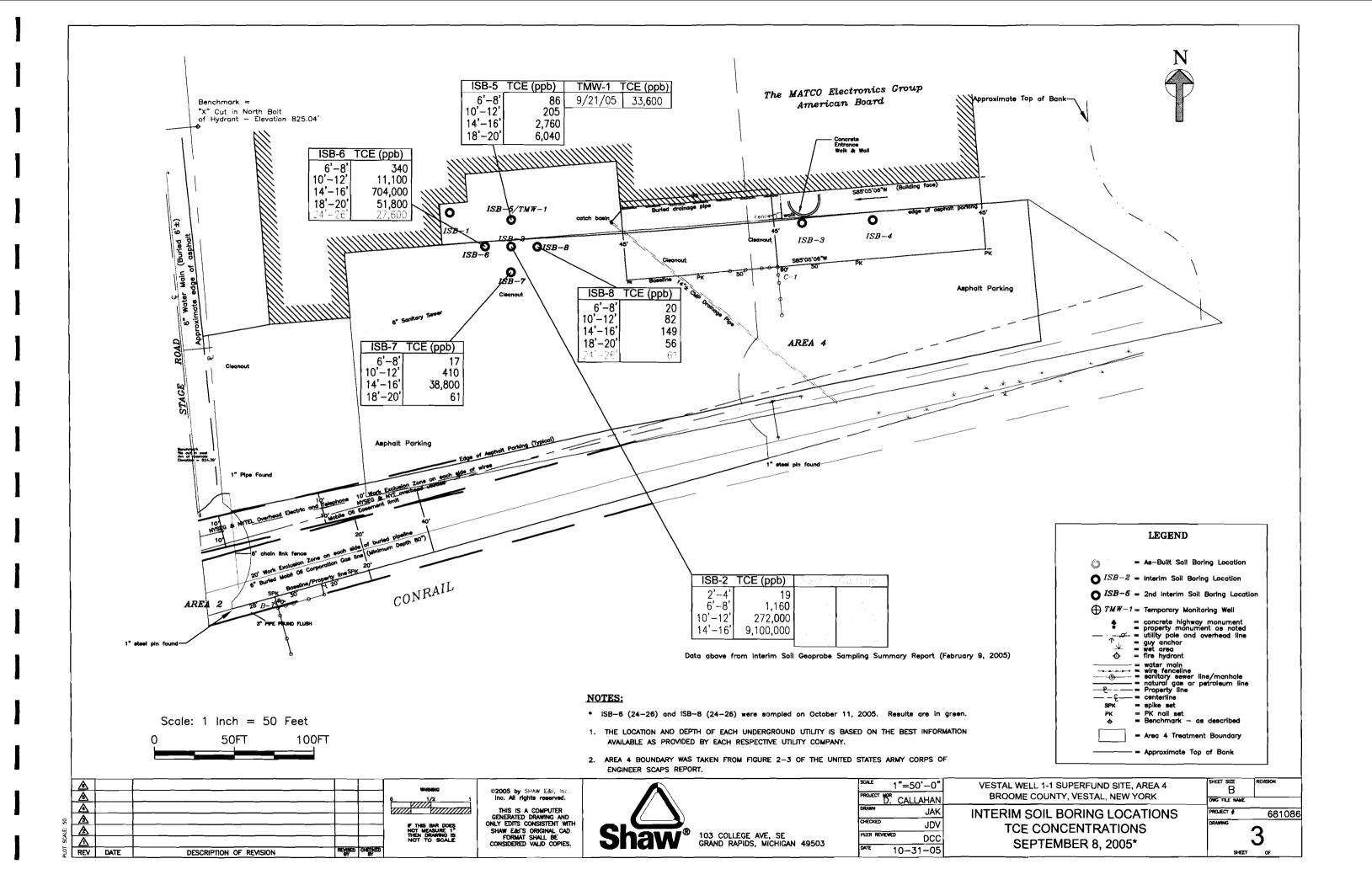
Focusing on the area around ISB-6, we propose two additional activities that might accelerate the remediation of this site:

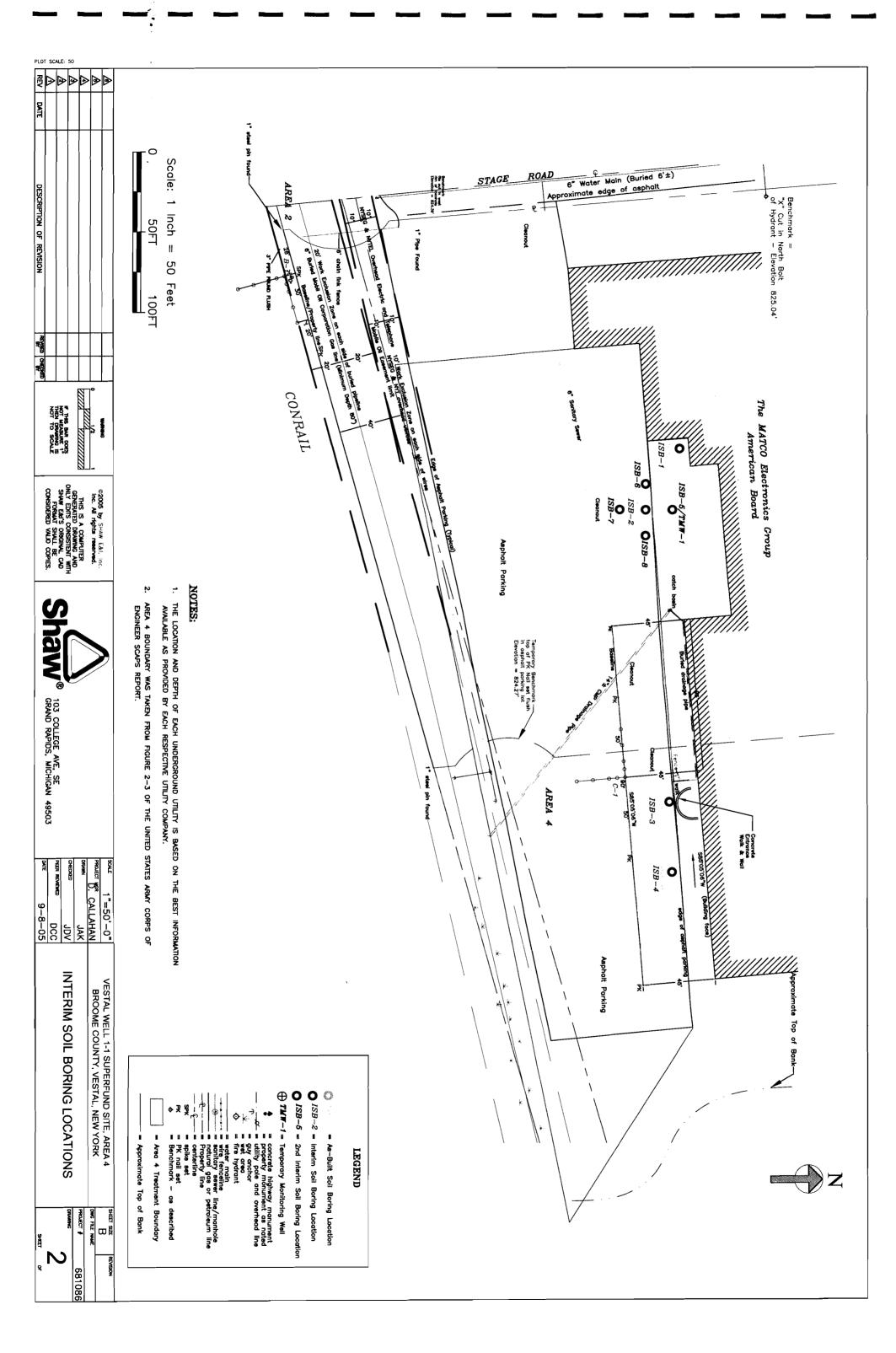
- A focused investigation of the area to the west and northwest of ISB-6 to determine the
 extent of the high contaminant concentrations. This would involve taking more soil
 samples to define the area.
- A second option involves removing the source area around ISB-6. This involves
 excavation the soils 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.

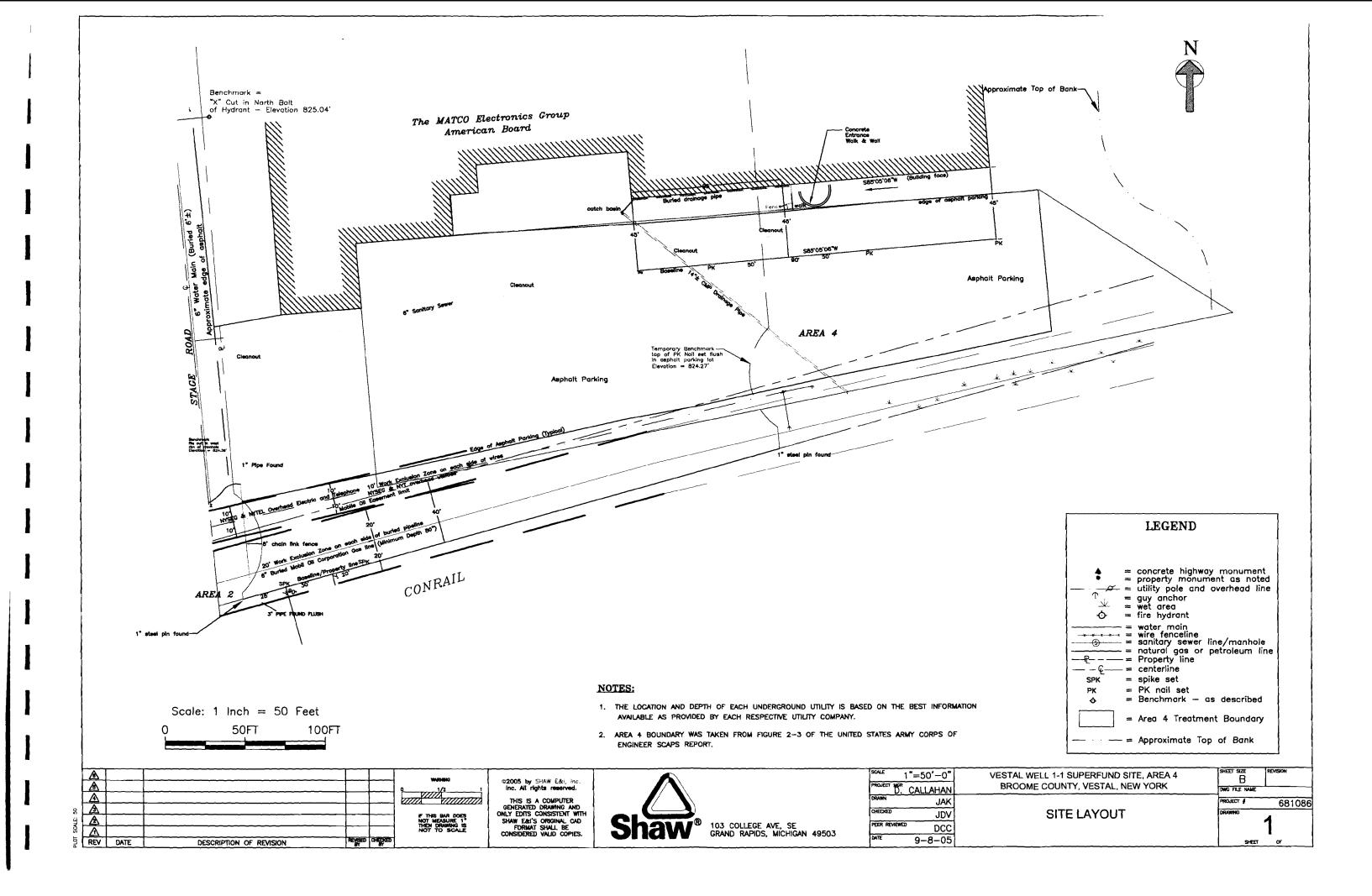
FIGURES











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 | 11 | 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 |

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 kilogram (ug/Kg): micro-gram per liter (ug/L)

TABLE 1 -- Interim Soil Sampling Results September 2005

| Boring / Depth | ISB6 / 6-8' | ISB6 / 10-12 ^t | 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 |

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)

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 |

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)

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 | 11 | 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 |

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)

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 | | 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

| IABLE 3 Temporary Monitor | mg well (TWW-1) hesuits |
|---------------------------|-------------------------|
| | 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 microgram 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: 5109022

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, Laboratory QA/QC Officer

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





Sevenson/G-Jobs Project: Vestal

104 Lakevicw 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' | 5109022-01 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-5 10-12' | 5109022-02 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-5 14-16' | 5109022-03 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-5 18-20' | 5109022-04 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-6 6-8' | 5109022-05 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-6 10-12' | 5109022-06 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-6 14-16' | 5109022-07 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-6 18-20' | 5109022-08 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-7 6-8' | 5109022-09 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-7 10-12' | 5109022-10 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-7 14-16' | 5109022-11 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-7 18-20' | 5109022-12 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-8 6-8' | 5109022-13 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-8 10-12' | 5109022-14 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-8 14-16' | 5109022-15 | Soil | 09/08/05 00:00 | 09/09/05 09:40 |
| ISB-8 18-20' | 5109022-16 | 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 5109022-03 (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 5109022-06 (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 5109022-05 (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 51 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.

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson/G-Jobs 104 Lakeview Drive Chaddsford PA, 19317 Project: Vestal

Project Number: Vestal, NY
Project Manager: Cassandra Marshall

Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | Ke _l Result | orting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|---------------------------|-----------------|-----------|-----------|---------|-------------------|--|--------|-------|
| | | | | | | | | | |
| ISB-5 6-8' (5109022-01RE1) Soil | Sampled; 09/08/05 00:00 | | | /05 09:40 | | | 1 | | |
| chloromethane | ND | 10 | ug/kg dry | 1 | AI51603 | 09/16/05 | 09/16/05 | 8260 | Ţ |
| vinyl chloride | ND | 10 | Ħ | 11 | 11 | (I | ч | π | ţ |
| broinoinethane | ND | 10 | II | π | T | 4 | 17 | r | Į |
| chloroethane | МD | 10 | H | M | π | n | V | n | ι |
| 1,1-dichloroethene | ND | 2 | П | ŋ | u | п | 4 | ļi | Ţ |
| rcstone | 33 | 10 | Ħ | ţr | я | п | ч | Ħ | |
| carbon disulfide | ND | 2 | r | 9 | π | Ħ | a | r | ι |
| methylene chloride | 7 | 2 | V | π | • | • | n | II. | |
| trans-1,2-dichloroethene | ND | 2 | n | J• | v | n | 11 | u | Į |
| l, l-dichloroethane | ND | 2 | Ħ | 4 | ii | q | п | π | (|
| vinyl acetate | ND | 10 | Ħ | 9 | ₩ | n | н | ч | ζ |
| 2-butanone | ND | 10 | • | 7 | P | π | n | π | ζ |
| eis-1,2-dichlorosthene | ND | 2 | H | # | • | 'n | 14 | 11 | τ |
| chloroform | ND | 2 | u | 17 | а | IJ | 50 | u | ū |
| 1,1,1-trichlorosthane | 45 | 2 | π | h | п | п | P | т . | |
| carbon tetrachloride | ND | 2 | π | ŢI | , | π | n | π | ι |
| benzene | ND | 2 | t) | ₩ | n | Ħ | 1/ | u | Į |
| 1,2-dichloroethane | ND | 2 | a | 17 | п | II. | n | u | τ |
| trichlorosthene | 86 | 2 | Ţ. | ıı | II | н | п | T T | • |
| 1,2-dichloropropane | ND | 2 | н | N | • | 9 | 17 | 17 | ζ |
| promodichloromethane | ND | 2 | • | ň | 17 | Ţ. | U | w | ĭ |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 11 | л | 11 | n | 11 | 11 | ί |
| eis-1,3-dichloropropene | ND | 2 | п | 11 | ņ | a | π | п | į |
| coluene | ND | 2 | п | tl | 7 | π | п | | ι |
| trans-1,3-dichloropropene | ND | 2 | 11 | 11 | II | π | n | ŋ | ĭ |
| 1,1,2-richloroethane | ND | 2 | 9 | п | n | п | " | p | ζ |
| 2-hexanone | ND | 10 | Įŧ | 11 | n | *1 | r | 17 | ί |
| ctrachioroethene | ND | 2 | π | - | π | Ħ | | 11 | į |
| dibromochloromethane | ND | 2 | ,, | | V | п | п | н | ì |
| chlorobenzene | ND | 2 | п | ¥ | 11 | (I | 30 | ч | į |
| ethylbenzene | ND | 2 | • | N | 4 | π | н | π | ί |
| m,p-xylene | ND | 4 | u | 1* | tī . | n | п | л | į |
| n-xylene | ND | 2 | Ψ. | u | , | " | r | 4 | ί |
| styrene | ND | 2 | ŋ | Ņ | Ħ | ۳ | u | h | ì |
| bromoform | ND | 2 | u | | l) | ** | 4 | r. | ί |
| 1,1,2,2-tetrachioroethane | ND | 2 | r | 11 | • | п | n | π | į |
| Surrogate: 1,2-Dichloroethane-d4 | | 2.3 % | 79- | (3) | | · , · · ·- | ·· · · · · · · · · · · · · · · · · · · | "· - — | |
| Surrogate: 1,2-Dichteroethane-64 Surrogate: Toluene-d8 | | 2.3 % | 85-1 | | " | u | rr · | m | |
| Surrogate: Bromofluorobenzene | | 105 % | 85-1 | | " | • | " | ,,, | |

Sevenson/G-Jobs 104 Lakeview Drive Chaddsford PA, 19317 Project: Vestal

Project Number: Vestal, NY Project Manager: Cassandra Marshall Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

| Analyte | Repo Result I | rting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|-------------------------|----------------|-----------|-------------|---------|----------|---------------|----------|-------|
| SB-5 10-12' (5109022-02RE1) Soil | Sampled: 09/08/05 00:00 | Rec | eived: 09 | /09/05 09:/ | 40 | | | <u>.</u> | |
| chloromethane | ND | 9 | ug/kg dry | I | A151603 | 09/16/05 | 09/16/05 | 8260 | 7 |
| vinyl chloride | ND | 9 | ٠ | u | 4 | il | A | rj. | 7 |
| bromomethane | ND | 9 | O. | Ħ | p | 7 | ir | Ħ | Ţ |
| chloroethane | ND | 9 | u | 17 | ti . | n | 11 | II . | Ţ |
| l, l-dichloroethene | ND | 2 | H | p | 'n | II | II | ti | Ţ |
| acetone | 29 | 9 | • | u | = | п | | TF . | |
| carbon disulfide | ND | 2 | 11 | п | | Ħ | * | P | Ţ |
| methylone chloride | 9 | 2 | ņ | P | , | • | п | n | |
| trans-1,2-dichloroethene | ND | 2 | d | 0 | ır | U | n | II | Ţ |
| l, I-dichloroethane | ND | 2 | • | II | P | ų. | ** | 4 | Ţ |
| vinyl acctate | ND | 9 | * | π | | Ħ | 77 | * | Ţ |
| 2-butanone | ND | 9 | u | 77 | - | 7 | II | Ħ | Ţ |
| cis-1,2-dichloroethene | ND | 2 | n | 17 | ø | n | a | п | Į |
| chloroform | ND | 2 | я | н | 4 | ţı. | ₩ | н | ľ |
| I,1,1-trichloroethane | 126 | 2 | U | m m | • | ₹ | n | H | |
| carbon tetrachloride | ND | 2 | и | W | 7 | H | н | * | τ |
| penzene | ND | 2 | u | # | ŋ | ħ | u u | 11 | Ţ |
| 1,2-dichloroethanc | ND | 2 | n | h | п | u | A | ĮI. | τ |
| richloroethene | 205 | 2 | | н | 4 | н | n | п | |
| 1,2-dichloropropane | ND | 2 | | ų | 7 | 4 | × | H | Ţ |
| promodichloromethane | ND | 2 | u | • | r, | μ | 11 | H | τ |
| -Methyl-2-pentanone (MIBK) | ND | 9 | U | Ħ | п | × | ď | | τ |
| cis-1,3-dichloropropene | ND | 2 | 1f | п | | 7 | 11 | n | Ţ |
| toluene | ND | 2 | # | u | 11 | II | π | п | τ |
| rans-1,3-dichloropropene | ND | 2 | | ۳ | NP . | п | 11 | - | Ţ |
| 1,1,2-trichloroethane | ND | 2 | ti. | # | | 77 | IJ | b | Į |
| 2-hexanone | ND | 9 | η | ¥ | и | ij | 4 | u | Ţ |
| tetrachloroethene | ND | 2 | # | ţI | | Ħ | | r. | τ |
| dibromochloromethane | ЙĎ | 2 | n | 4 | # | * | n | • | Ţ |
| chlorobenzene | ND | 2 | n | ** | b | ۳ | 11 | n | τ |
| ethylbenzene | ND | 2 | π | 11 | Ħ | и | H | π | Ţ |
| m,p-xylene | ND | 3 | 44 | ₩ | Ħ | | II . | 77 | t |
| o-xylene | ND | 2 | | P | ú | и | 7 | • | Ţ |
| styrene | ND | 2 | r | > | * | 79 | IJ | W | Ţ |
| promoform | ND | 2 | H | а | п | u | - | r. | Į |
| 1,1,2,2-tetrachloroethane | ND | 2 | 0 | Ħ | P | • | H | • | |
| Surrogate: 1,2-Dichloroethane-d4 | | .0% | 79- | | | | "- | н | |
| Surrogate: Toluene-d8 | 92 | 7 % | 85- | | # | " | " | " | |
| Surrogate: Bromofluorobenzene | 10 | 01% | 85- | 120 | 7 | π | 17 | " | |

Sevenson/G-Jobs 104 Lakeview Drive Chaddsford PA, 19317 Project: Vestal

Project Number: Vestal, NY Project Manager: Cassandra Marshall Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Barch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|------------------|--------------------|-----------|------------------------|---------|------------|----------|----------|-------|
| ISB-5 14-16' (5109022-03RE2) Soil | Sampled: 09/08/0 | | | /09/0 5 09: | 40 | | | | |
| chloromethane | ND | 2460 | ug/kg dry | 2 | AI52010 | 09/20/05 | 09/20/05 | 8260 | |
| vinyl chloride | ND | 2460 | п | Ħ | ~ | ¥ | n | 7 | • |
| bromomethane | ND | 2460 | Ħ | 13 | 7 | 13 | T | u | |
| chlorocthane | ND | 2460 | 11 | п | ₩ | • | п | W | • |
| 1,1-dichloroethene | ND | 491 | u | Ħ | h | , | U | " | 1 |
| acetone | ND | 2460 | 77 | n | IJ | Ŋ | 11 | n | i |
| carbon disulfide | ND | 491 | п | u | - | 4 | 7 | н | |
| methylene chloride | ND | 491 | u | 7 | N | # | a | и | 1 |
| trans-1,2-dichloroethene | ND | 4 9 1 | 7 | u | π | a | π | # | 1 |
| 1,1-dichloroethane | ND | 491 | V | n | | п | n | | |
| vinyl acetate | ND | 2460 | n | Ħ | η | P | u | ų. | 1 |
| 2-butanone | ND | 2460 | н | n | H | 11 | п | н | , |
| cis-1,2-dichloroethene | ND | 491 | п | er er | ₹ | 77 | n | * | |
| chloroform | ND | 491 | 11 | P | H | ۳ | ıı . | IJ | 1 |
| 1,1,1-trichloroethane | 3840 | 491 | 4 | и | я | 11 | ıt | п | |
| carbon tetrachloride | ND | 491 | | н | • | 'n | ,, | n | ; |
| benzene | ND | 491 | п | R | - | 77 | п | , | 1 |
| 1,2-dichloroethane | ND | 491 | p | b | ņ | II | n | ч | 1 |
| trichloroethene | 2760 | 491 | k | çı. | 4 | ę. | * | 4 | , |
| 1,2-dichloropropane | ND | 491 | - | = | ų | | п | Ħ | 1 |
| bromodichloromethane | ND | 491 | U | 10 | U | 19 | n | 11 | i |
| 4-Methyl-2-pentanone (MIBK) | DN | 2460 | 4 | u u | a | ţ i | TÎ | п | į |
| cis-1,3-dichloropropene | ND | 491 | " | -11 | | | n. | # | , |
| toluene | ND | 491 | u. | - | 11 | ų | ţi. | n | 1 |
| trans-1,3-dichloropropene | ND | 491 | Ħ | u | (T | ч | | n | 1 |
| 1,1,2-trichloroethane | ND | 491 | 77 | er er | 70 | * | 11 | , | ì |
| 2-hexanone | ND | 2460 | u | п | n | * | и | 17 | |
| tetrachloroethene | ND | 491 | * | | ~ | , | | | , |
| dibromochloromethane | ND | 491 | | , | * | • | а | | 1 |
| chlorobenzene | ND | 491 | u u | η | 11 | | и | ti | |
| ethylbenzene | ND | 491 | · · | | - | | P | 77 | 1 |
| m,p-xylene | ND | 983 | ŋ | | , | | 16 | | 1 |
| o-xylene | ND | 763 491 | 19 | | | π | и | | , |
| styrene | ND | 491 | h | ,, | 4 | п | ,, | | 1 |
| bromoform | ND | 491 | ii li | # | п | 71 | u | n | |
| 1,1,2,2-tetrachloroethane | ND | 491 | D. | i. D | v | u u | ** | n | |
| | ייי ייי | | | | # | <u> </u> | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97,7% | 79-1 | | | " H | " | " | |
| Surrogate: Toluene-d8 | | 105 % | 85-1 | | , , | ,, | ,, | n | |
| Surrogate: Bromofluorobenzene | | 104 % | 85-1 | 20 | • | " | ** | " | |

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analysical report must be reproduced in its entirety.

Project: Vestal

Project Number: Vestal, NY
Project Manager: Cassandra Marshall

Reported: 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' (5109022-04RE2) Soil | Sampled: 09/08/05 | 00:00 Re | ceived: 09 | /09/05 09: | 40 | | | | |
| chloromethane | ND | 2500 | ug/kg dry | 2 | A152010 | 09/20/05 | 09/20/05 | 8260 | |
| vinyl chloride | ND | 2500 | ti. | Ħ | ۳ | и | " | 39 | , |
| bromomethane | ND | 2500 | * | n | IJ | n | и | п | |
| chlorocthane | ND | 2500 | U | Je | # | ti | Ħ | " | • |
| l, l-dichloroethene | ND | 500 | 4 | н | je | 19 | ĺŧ | U | , |
| ncetone | ND | 2500 | Ħ | V | Ħ | 'n | × | 4 | 1 |
| carbon disulfide | ND | 500 | ч | # | ۳ | 4 | n | н | • |
| methylene chloride | ND | 500 | n | Ŋ | 11 | U | ш | п | 1 |
| rans-1,2-dichloroethenc | ND | 500 | D | ri . | Ħ | 11 | • | Ħ | |
| l, l-dichlorocthane | ND | 500 | 4 | n | u | • | н | u | 1 |
| vinyl acetate | ND | 2500 | Ħ | n | | n | 17 | 7 | |
| 2-butanone | ND | 2500 | 40 | Ħ | P | ** | • | Ħ | , |
| cis-1,2-dichloroethene | ND | 500 | ¥ | D | ţi. | IJ | π | ţı. | 1 |
| chloroform | ND | 500 | to to | n | 19 | # | 7 | Ħ | , |
| 1,1,1-trichloroethane | 17300 | 500 | w | ľ | 11 | 7 | u | * | |
| carbon tetrachloride | ND | 500 | r | 16 | п | Ħ | 11 | * | 1 |
| benzenc | ND | 500 | 0 | ٦ | " | л | u | 19 | 1 |
| 1,2-dichloroethane | ND | 500 | 7 | • | u | n | u | U | 1 |
| trichlorocthene | 6040 | 500 | 19 | u | Ħ | и | h | * | |
| 1,2-dichloropropane | ND | 500 | 8 | h | ** | 17 | 19 | n | 1 |
| bromodichloromethane | ND | 500 | 11 | ŋ | P | tr | 4 | ţi. | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | 2500 | u | *** | IT | = | n | H | , |
| cis-1,3-dichloropropene | ND | 500 | ņ | ly. | 71 | n | 11 | 11 | 1 |
| toluene | ND | 500 | п | u | Ħ | q | н | п | 1 |
| rans-1,3-dichloropropene | ND | 500 | 11 | ** | Ħ | 11 | 0 | m | 1 |
| 1,1,2-trichloroethane | ND | 500 | п | n | n | n | п | q | 1 |
| 2-hexanone | ND | 2500 | | я | н | Ŋ | н | n | 1 |
| terrachlorocthene | ND | 500 | n | п | 14 | Ħ | n | 77 | 1 |
| dibromochloromethane | ND | 500 | 71 | ži, | 17 | ĮI | и | # | 1 |
| chlorobenzene | ND | 500 | P | 71 | ** | N | n | P | 1 |
| ethylbenzene | ND | 500 | ti | л | u | 7 | п | n | 1 |
| nı,p-xylene | ND | 1000 | Ħ | u | 11 | ч | n | 4 | 1 |
| n-xylene | ND | 500 | 11 | 19 | п | H | u | m | 1 |
| styrene | ND | 500 | U | п | ** | 4 | n | π | 1 |
| bromoform | ND | 500 | ţı | U | u | п | n | p | 1 |
| 1,1,2,2-tetrachloroethane | ND | 500 | ** | | 16 | π | n | Ħ | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 79- | 731 | | | " ··· | , | - |
| Surrogate: Toluene-d8 | | 102 % | 85- | | " | " | | н | |
| Surrogate: Bromofluorobenzene | | 108 % | 85- | | 7 | # | " | n | |

Waste Stream Technology Inc.

Sevenson/G-Jobs Project: Vestal

104 Lakeview DriveProject Number: Vestal, NYChaddsford PA, 19317Project Manager: Cassandra Marshall

Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | , Result | orting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|-------------------------|-----------------|------------|-----------|-------------|----------|----------|----------------|-------|
| ISB-6 6-8' (5109022-05RE1) Soil | Sampled: 09/08/05 00:00 | Recei | ved: 09/09 | /05 09:40 | | | | | |
| chloromethane | ND | 10 | ug/kg dry | <u> </u> | AI51603 | 09/16/05 | 09/16/05 | 8260 | 1 |
| vinyl chloride | ND | 10 | n | n | | 4 | n | П | 1 |
| bromomethane | ND | 10 | IJ | м | I.e. | ir . | n | Ħ | Ţ |
| chloroethane | ND | 10 | IP . | Ħ | W | 10 | н | n | ī |
| 1,1-dichloroethene | ND | 2 | n | 4 | 79 | × | 11 | N | Į |
| acetone | 12 | 10 | IJ | 4 | d | 4 | 11 | • | |
| carbon disulfide | ND | 2 | q | 11 | п | Ħ | n | 7 | 1 |
| methylene chloride | 9 | 2 | H | Ħ | Д | 4 | b | , • | |
| trans-1,2-dichloroethene | ND | 2 | h | 4 | ıı | 4 | 11 | т | Į |
| I,I-dichloroethane | ND | 2 | n | 79 | ŢŢ | ₹ | n | n | Į |
| vinyl acetate | ND | 10 | U | н | R | я | , ,, | n | Ţ |
| 2-butanone | ND | 10 | li . | ** | 17 | • | ıı | Ħ | ι |
| cis-1,2-dichloroethene | ФИ | 2 | n | Ħ | 17 | Я | ti . | и | τ |
| chloroform | ND | 2 | Ð | Ħ | N | # | ti . | h | ĭ |
| 1,1,1-trichloroethane | 69 | 2 | t• | 4 | ır | 4 | u | r | |
| carbon tetrachloride | ND | 2 | | n | π | я | 17 | R | Į |
| benzene | ND | 2 | Ħ | u | n | П | | n | τ |
| 1,2-dichloroethane | , ND | 2 | r | rı. | • | п | - | TP | ξ |
| trichloroethene | 340 | 2 | 19 | п | u | п | Ħ | n | I |
| 1,2-dichloropropane | ND | 2 | lt | d | 0 | и | IJ | H | I |
| bromodichloromethane | ND | 2 | 4 | 11 | Ħ | π | π | n | Ţ |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | n | п | ıτ | • | 10 | Ħ | Ţ |
| cis-1,3-dichloropropene | ND | 2 | U | и | il | u | " | h | τ |
| toluene | ND | 2 | le . | ч | * | tf | 17 | п | Ţ |
| trans-1,3-dichloropropene | ND | 2 | ¥† | Ţi | 17 | П | r | H | ι |
| 1,1,2-trichloroethane | 4 | 2 | 19 | ņ | н | M | ŋ | m | |
| 2-hexanone | ND | 10 | Ħ | п | 11 | Ħ | m | n | t |
| tetrachloroethene | ND | 2 | * | n | ų | ¥. | F | п | 1 |
| dibromochloromethane | ND | 2 | | ņ | u | п | ۳ | Ħ | į |
| chlorobenzene | ДK | 2 | р | u u | ч | 7 | II . | ग | Ţ |
| cthylbenzene | ND | 2 | ग | n | 17 | 4 | n | Ħ | ť |
| m,p-xylene | ND | 4 | ı | я | r | W | 11 | " | ι |
| o-xylene | ND | 2 | п | w | - | Я | 11 | i y | Į |
| styrene | ND | 2 | (i | * | h | H | (I | U | Ţ |
| bromoform | ND | 2 | п | IT. | • | Ìı | 41 | ч | Į |
| 1.1,2,2-tetrachloroethane | ND | 2 | 11 | ņ | 7 | n | 17 | la. | ι |
| Surrogate: 1,2-Dichloroethane-d4 | | 3.7 % | 79-7 | 31 | | ,, | " | π | |
| Surrogate: Toluene-d8 | | 3.0 % | 85-I | | " | π | n | п | |
| Surrogaie: Bromofluorobenzene | | 101% | 85-1 | | n | ,, | н | n | |

Waste Stream Technology Inc.

Project: Vestal

Project Numbor: Vestal, NY Project Manager: Cassandra Marshall

Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | Repo Result 1 | rting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------------------|----------------|--------------|----------------------------|---------|---------------|----------|----------|-------|
| ISB-6 10-12' (5I09022-06RE1) Soil | Sampled: 09/08/05 00:00 | Rec | eived: 09 | /0 <mark>9/0</mark> 5 09:4 | 40 | | | | |
| chloromethane | ND | 8 | ug/kg dry | I | AI51603 | 09/16/05 | 09/16/05 | 8260 | Ţ |
| vinyl chloride | ND | 8 | 4 | U | н | n | 77 | n | τ |
| promomethane | ND | 8 | " | • | • | • | " | , | Ţ |
| chlorocthane | ND | 8 | H | " | 11 | 11 | d d | 41 | ι |
| 1,1-dichloroethene | 60 | 2 | n | 71 | • | * | • | • | |
| ecetone | 38 | 8 | Ħ | ty | | II . | н | ** | |
| earbon disulfide | ND | 2 | ņ | п | • | 4 | п | n | τ |
| nethylene chloride | 678 | 2 | # | b | 11 | • | | " | 1 |
| rans-1,2-dichloroethene | ND | 2 | u | п | * | Я | 10 | • | τ |
| 1,1-dichloroethane | 12 | 2 | 77 | u | 16 | | n | 11 | |
| rinyi acetate | ND | 8 | i) | 4 | • | π | * | # | τ |
| 2-butanone | 17 | 8 | Ħ | ıt | | • | 11 | υ | ` |
| ris-1,2-dichloroethene | 8 | 2 | • | it. | # | ** | * | - | |
| chloroform | 10 | 2 | 7 | , | II | n | и | | |
| 1,1,1-trichloroethane | 7000 | 2 | IJ | 41 | 4 | π | | * | I |
| arbon tetrachloride | 5 | 2 | • | ** | | μ | ıi | A | |
| xnzene | ND | 2 | Ð | ¥f | • | | * | # | ι |
| 1,2-dichloroethanc | 12 | 2 | Į1 | , | Ħ | | 11 | n* | ` |
| richloroethene | 11100 | 2 | 7 | u | el | ŗı | F | 7 | ĭ |
| .2-dichloropropane | ND | 2 | 41 | | п | | | 7 | į |
| promodichloromethane | ND | 2 | 17 | • | tt | u | Ħ | u | ί |
| -Mcthyl-2-pentanone (MIBK) | ND | 8 | | * | , | | | | τ |
| cis-1,3-dichloropropene | ND | 2 | | п | 11 | " | | 4 | ï |
| coluene | 65 | 2 | 11 | п | | 41 | ** | | , |
| rans-1,3-dichloropropene | ND | 2 | | | п | н | | n | ί |
| 1,1,2-trichloroethane | 293 | 2 | II . | 16 | Ħ | ,, | - | # | ĭ |
| 2-hexanone | ND | 8 | p | n | U | U | н | U | ī |
| etrachloroethens | 16 | 2 | • | | Ħ | d | - | | |
| hibromochloromethane | ND | 2 | 11 | , | , | 7 | | 7 | ί |
| chlorobenzene | ND | 2 | , | | * | ., | | | ı, |
| ethylbenzene | 9 | 2 | 7 | | п | n | ,, | n | · |
| n,p-xylene | 17 | 3 | ŋ | | , | • | n | Ħ | |
| n,p-xylene o-xylene | 10 | 2 | d | lı | ,, | n | | IJ | |
| rtyrenc | ND | 2 | | | * | # | , | F | t |
| promoform | ND | 2 | W | n | я | ,, | π | | Ľ |
| 1,1,2,2-tetrachloroethane | 12 | 2 | ŢI. | , | ıı | н | н | n | |
| Surrogate: 1,2-Dichloroethane-d4 | | 3 % | 79- | 127 | | <u> </u> | | | |
| Surrogate: 1,2-Dichtoroethane-24 Surrogate: Toluche-d8 | | 3% | /9-1 85-1 | | | ,, | ,, | ,, | |
| Surrogate: 20wene-ao Surrogate: Bromofluorobenzene | | 14 % | 85-1 | | ,, | ,, | • | " | |

Waste Stream Technology Inc.

Sevenson/G-Jobs

104 Lakeview Drive Chaddsford PA, 19317 Project: Vestal

Project Number: Vestal, NY

Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

Project Manager: Cassandra Marshall

Reporting Limit Dilution Batch Method Notes Analyto Units Propared Analyzed Rosult

| Adalyto | Kosuu | Limit | Unis | Dilution | Dated | ricpaed | Analyzen | (V)CHIDU | 110003 |
|-----------------------------------|-------------------|----------|-------------|-----------|----------|----------------------|----------|----------|--------|
| ISB-6 14-16' (5109022-07RE1) Soil | Sampled: 09/08/05 | 00:00 Re | ceived: 09/ | 09/05 09: | 40 | | | | |
| chloromethane | ND | 2400 | ug/kg dry | 2 | AI51908 | 09/19/05 | 09/19/05 | 8260 | ι |
| vinyl chloride | ND | 2400 | ħ | | - | , | π | 7 | τ |
| bromomethane | ND | 2400 | • | " | ţı | | q | и | τ |
| chloroethane | ND | 2400 | " | , | # | A | • | п | ι |
| 1, I-dichloroethene | ND | 480 | п | n | (1 | п | η | 11 | τ |
| acetone | ND | 2400 | H | 1f | # | 17 | • | • | Ţ |
| carbon disulfide | ND | 480 | Ħ | r | n | • | " | н | ι |
| methylene chloride | ND | 480 | u | n | # | 11 | 4 | 4 | Į |
| trans-1.2-dichloroethene | ND | 480 | ٩ | , | n | h | n | Ħ | τ |
| 1,1-dichloroethane | ďИ | 480 | U | 11 | 71 | ij | 11 | ч | τ |
| vinyl acetate | ND | 2400 | 11 | - | n | | 20 | • | t |
| 2-butanone | ND | 2400 | b | n | a | 11 | *1 | | ζ |
| cis-1,2-dichloroethene | ND | 480 | n | # | - | # | , | , | τ |
| chlorofo rm | ND | 480 | , | U | n | n | н | U | τ |
| 1,1,1-trichloroethane | 1150000 | 12000 | U | 50 | 17 | li li | 09/20/05 | n | I |
| carbon tetrachloride | ND | 480 | şi | 2 | P | | 09/19/05 | 11 | τ |
| benzene | ND | 480 | n | ĮI. | tr. | п | п | п | ţ |
| 1,2-dichloroethane | ND | 480 | u | r | # | | , | × | Ţ |
| trichloroethene | 704000 | 12000 | Ħ | 50 | и | r | 09/20/05 | ¥7 | ī |
| 1,2-dichloropropane | ND | 480 | H | 2 | # | п | 09/19/05 | ₩ | ί |
| bromodichloromethane | ND | 480 | * | 17 | n | | и | U | τ |
| 4-Methyl-2-pentanone (MIBK) | ND | 2400 | r | u | • | н | • | i. | ί |
| cis-1,3-dichloropropene | ND | 480 | 4 | h | 19 | ¥ | ŋ | и | τ |
| toluene | 3750 | 480 | ٠ | | N | ч | rl | H | _ |
| trans-1,3-dichloropropens | ND | 480 | ŋ | # | p p | - | er | π | τ |
| I,1,2-trichloroethane | 3380 | 480 | w | ŧ | * | п | a | ŧ | ` |
| 2-hexanone | ND | 2400 | u | | - | , | n | | |
| tetrachloroethene | 1280 | 480 | ıŧ | п | u | 11 | u | " | , |
| dibromochloromethane | ND | 480 | ŋ | п | * | 16 | - | ŢI | ι |
| chlorobenzene | ND | 480 | 11 | ų | n | • | ŋ | Ħ | τ |
| ethylbenzene | ND | 480 | n | n | • | 4 | * | ** | į |
| m,p-xylene | 1880 | 959 | 71 | n | n | n | ,, | я | ` |
| o-xylone | 641 | 480 | п | , | ,, | 16 | • | ч | |
| styrene | ND | 480 | * | U | 4 | п | п | п | ι |
| bromoform | ND | 480 | 16 | M | - | | | * | į |
| 1,1,2,2-tetrachloroethane | ND | 480 | , | u u | • | ĮI. | 70 | u | i |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.0 % | 79-1 | 13 i ·- | п | . " " … – | " . | · "· | ` |
| Surrogate: Toluene-d8 | | 98.3 % | 85-A | | ~ | • | ~ | | |
| Surrogate: Bromofluorobenzene | | 105 % | 85- | | ,, | | π | ,, | |

Waste Stream Technology Inc.

Project: Vestal

Project Number: Vestal, NY
Project Manager: Cassandra Marshall

Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | Result | eporting Limit | Units | Dilution | Batch | Propared | Analyzed | Method | Notes |
|-----------------------------------|----------------------|-------------------|-------------|-----------|---------|----------|----------|--------|-------|
| ISB-6 18-20' (5109022-08RE1) Soil | Sampled: 09/08/05 00 | :00 Re | ceived: 09/ | 09/05 09: | 40 | | | | |
| chloromethane | ND | 15 | ug/kg dry | 1 | AI51603 | 09/16/05 | 09/16/05 | 8260 | Ţ |
| vinyt chloride | ND | 15 | H | н | ņ | п | fi | ŧı | Ţ |
| bromomethane | ND | 15 | п | 4 | 77 | Ħ | " | n | τ |
| chloroethanc | ND | 15 | • | " | ** | ij | и | ** | Ţ |
| 1,1-dichloroethene | 87 | 3 | п | • | • | • | и | • | |
| acetone | 126 ¹ . | 15 | н | ı | ţı | ţı | н | п | |
| carbon disulfide | ND | 3 | ч | Ħ | ٠ | • | n | η | Ţ |
| methylene chloride | 60 | 3 | lş | n | n | IJ | Ħ | ** | |
| trans-1,2-dichloroethene | ND | 3 | ŢI | " | μ | • | n | n | τ |
| I,I-dichloroethane | 42 | 3 | D | 11 | p | " | n | п | |
| vinyl acetate | ND | 15 | ņ | • | • | | 39 | tr | Į |
| 2-butanone | 25 | 15 | 7 | II | u | п | n | n | |
| cis-1,2-dichloroethene | 11 | 3 | u | " | , | # | * | н | |
| chloroform | ND | 3 | 17 | n | 11 | n | " | 41 | τ |
| 1,1,1-trichloroethane | 97800 | 1150 | ĮI. | 371.26 | | - | • | * | Ţ |
| carbon tetrachloride | ND | 3 | ж | 1 | и | п | U | ti. | Ţ |
| henzene | ND | 3 | e | п | * | • | • | * | ī |
| 1,2-dichloroethane | ND | 3 | 7 | IJ | II. | 11 | " | 4 | Ţ |
| trichloroethene | 51800 | 1150 | e | 371,26 | # | Ħ | p. | н | I |
| 1,2-dichloropropane | ND | 3 | N | 1 | ш | IJ | u | ч | Ţ |
| bromodichloromethane | ND | 3 | ¥ | n | ₩ | • | , | 7 | t |
| 4-Methyl-2-pentanone (MIBK) | ND | 15 | π | η | II | п | II . | U | Į |
| cis-1,3-dichloropropene | ND | 3 | n | 11 | , | • | - | w | Ţ |
| toluene | ND | 3 | | IJ | n | n | п | 77 | t |
| rrans-1,3-dichloropropene | ND | 3 | \$1 | a | | Ħ | Ħ | я | ī |
| l,1,2-trichloroethane | 4 | 3 | п | , | 17 | II | į. | 11 | |
| 2-hexanone | ND | 15 | • | п | | • | - | ч | ť |
| teirachloroethene | ND | 3 | 11 | " | | п | н | 47 | Ţ |
| dibromochloromethane | ND | 3 |)e | • | Ħ | M | 41 | ч | Ţ |
| chlorobenzene | ND | 3 | p | | et | • | 11 | | τ |
| ethylbenzene | ND | 3 | | 41 | π | ņ | N | 11 | į |
| m,p-xylene | ND | 6 | п | • | | 11 | 11 | • | Į |
| o-xylene | ND | 3 | Ħ | 11 | 4 | TI TI | я | п | Ţ |
| styrene | ND | 3 | ч | n | ŗ | " | " | и | ī |
| bromoform | ND | 3 | D | п | # | ıı | 77 | 4 | į |
| 1,1,2,2-tetrachloroethane | ND | 3 | 4 | | 11 | li . | | n | 1 |
| Surrogaie: 1,2-Dichloroethane-d4 | | 100 % | 79- | 131 | ii | ···· | ii | | |
| Surrogate: Toluene-d8 | | 91.7% | 85- | | " | t r | " | ~ | |
| Surrogate: Bromoflyorobenzene | | 102 % | 85- | | * | " | " | # | |

Waste Stream Technology Inc.

Project: Vestal

Project Number: Vestal, NY Project Manager: Cassandra Marshall Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

| Analyte | Result | orting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|----------|-----------------|----------------|------------|------------|----------|------------|--------|-------|
| | | | | | Dawn | 11004.00 | 7111117120 | | |
| ISB-7 6-8' (5109022-09RE1) Soil | | Receiv | ved: 09/09 | 9/05 09:40 | | | | , | |
| chloromethane | ND | | ug/kg dry | 1 | A[51909 | 09/19/05 | 09/19/05 | 8260 | |
| vinyl chloride | ND | 9 | lr | " | Ħ | TF. | П | " | |
| bromomethane | ND | 9 | • | # | 11 | II | b | U | |
| chloroethane | ND | 9 | | U | H | (I | • | 78 | |
| 1,1-dichloroethene | ND | 2 | Ħ | Ħ | 17 | ٠ | 11 | n n | |
| acetone | 22 | 9 | n | ij | 4 | • | ,, | Ħ | |
| carbon disulfide | ND | 2 | π | 7 | Н | ۰ | " | u | |
| methylene chloride | ND | 2 | it | | # | ĮI. | | 71 | |
| trans-1.2-dichloroethene | ND | 2 | п | • | 11 | N | n | li . | |
| 1,1-dichlorocthane | ND | 2 | ш | ď | Ħ | п | 4 | π | |
| vinyl acetate | ND | 9 | 17 | Ħ | 46 | h | " | (1 | |
| 2-butanone | ND | 9 | U | ıt | • | n | m | # | |
| cis-1,2-dichloroethene | 3 | 2 | ħ | 11 | П | | ,, | 11 | |
| chloroform | ND | 2 | ıt | fr. | u | • | - | | |
| 1,1,1-trichloroethane | 5 | 2 | * | , | tJ | IJ | n | u | |
| carbon tetrachloride | ND | 2 | п | u | 4 | si | Ħ | п | |
| benzene | / ND | 2 | 7 | F | 86 | | | ŋ | |
| 1,2-dichloroethane | ND | 2 | b | Ħ | 77 | H | d | п | |
| trichloroethene | 17 | 2 | 11 | r | 11 | Ħ | | r, | |
| 1,2-dichloropropane | ND | 2 | l ₂ | n | q | u | н | U | |
| bromodichloromethane | ND | 2 | ŗ | ĸ | n | | ,, | h | |
| 4-Methyl-2-pentanone (MIBK) | ND | 9 | n | н | प | ĮI. | 7 | | |
| cis-1,3-dichloropropene | ND | 2 | u | 17 | 19 | * | n. | m | |
| toluene | NĎ | 2 | 4 | " | | п | - | , | |
| trans-1,3-dichloropropene | ND | 2 | æ | n | | , | D | , | |
| 1,1,2-trichloroethane | ND | 2 | , | 11 | " | 11 | π | a | |
| 2-hexanone | ND | 9 | | | | • | | , | |
| z-neximone tetrachloroethene | ND | 2 | | 11 | 7 | | , | ,, | |
| dibromochloromethane | ND | 2 | | | | , | D. | | |
| chlorobenzene | ND | 2 | я | " | π | U | 4 | | |
| cthylbenzene | ND | 2 | | | | • | , | | |
| | ND | 3 | | | | | u | | |
| m,p-xylene o-xylene | ND | 2 | | N | п | | н | • | |
| o-xytene styrene | ND | 2 | | ti . | u | ir | 77 | , | |
| bromoform | ND | 2 | u | " | n | ,, | u | π | |
| 1,1,2,2-tetrachloroethane | ND ND | 2 | p , | | | ** | | " | |
| | | _ | | . 57 | <u>"</u> — | " | - | .= | |
| Surrogate: 1,2-Dichloroethane-d4 | | 36.0 % | 79- | | " " | " | ,, | " | |
| Surrogate: Toluenc-d8 | | 20.7% | 85- | | | " | ,, | ,, | |
| Surrogate: Bramofluorobenzene | | 101 % | <i>\$5-</i> | 120 | " | " | ~ | " | |

Waste Stream Technology Inc.

Project: Vestal

Project Number: Vestal, NY Project Manager: Cassandra Marshall Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyto | Report I | imit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|-------------------------|-------|------------|---------------|-------------|----------|----------|--------|-------|
| ISB-7 10-12' (5109022-10RE1) Soil | Sampled: 09/08/05 00:00 | Re | colved: 09 | /09/05 09: | 40 | | | | |
| chloromethane | ND | 8 | ug/kg dry | ì | AJ51909 | 09/19/05 | 09/19/05 | 8260 | - 1 |
| vinyl chloride | ND | 8 | Ħ | ٨ | স | • | 17 | IJ | Ţ |
| bromomethane | ND | 8 | ti | ** | • | u | * | 11 | 1 |
| chloroethane | ND | 8 | ut. | | n | ** | п | 7 | |
| 1,1-dichloroethene | 3 | 2 | ŋ | п | 41 | u | 7 | п | |
| acetone | 13 | 8 | 11 | # | * | Ħ | 7 | , | |
| carbon disulfide | ND | 2 | н | п | {t | н | u u | TI TI | Į |
| methylene chloride | 3 | 2 | ** | Ħ | • | • | " | , | |
| trans-1,2-dichloroothene | ND | 2 | н | 11 | ŧ | IJ | (I | ď | 1 |
| 1,1-dichloroethane | ND | 2 | 11 | n | Ħ | а | • | π | 1 |
| vinyl acetate | ND | 8 | N | Ħ | n | n | 11 | u | 1 |
| 2-butanone | ND | 8 | ŋ | и | 44 | d | * | • | Į |
| cis-1,2-dichloroethene | ND | 2 | * | > 1 | ** | ₩ | 11 | u. | 1 |
| chloroform | ND | 2 | н | 11 | n | u | " | n | Ţ |
| I,1,1-trichloroethane | 523 | 2 | ** | 7 | | 4 | n | • | |
| carbon tetrachioride | ND | 2 | r | U | ď | п | # | U | 1 |
| benzene | ND | 2 | 1) | ¥ | # | п | ĸ | 4 | 1 |
| 1,2-dichloroethane | ND | 2 | ď | • | 6) | 1/ | 11 | | 1 |
| trichloroethene | 410 | 2 | 7 | 16 | | n | • | # | |
| 1,2-dichloropropane | ND | 2 | ,, | • | 7 | * | 11 | le . | i |
| bromodichloromethane | ND | 2 | k | ĮI. | π | ıı | - | 11 | ī |
| 4-Methyl-2-pentanone (MIBK) | ND | 8 | y | н | 17 | , | 18 | | 1 |
| cis-1,3-dichloropropene | ND | 2 | ж | и | ħ | 1) | 11 | a | i |
| toluene | ND | 2 | tı . | * | , | • | n | Ħ | ī |
| trans-1,3-dichloropropene | ND | 2 | п | n | п | " | 11 | U | 1 |
| 1,1,2-trichloroethane | ND | 2 | n | ч | 14 | я |) | 4 | i |
| 2*hexanone | ND | 8 | 41 | n | H | 11 | n | • | 1 |
| ictrachloroethene | ND | 2 | 4 | rr | • | п | | * | i |
| dibromochloromethane | ND | 2 | n | , | ıŢ | * | v | | 1 |
| chlorobenzene | ND | 2 | 4 | | п | II | 47 | | ï |
| cthylbenzene | ND | 2 | п | | | π | , | * | , |
| m,p-xylene | ND | 3 | * | 11 | ĮI. | IJ | 41 | h | i |
| ()-xylene | ND | 2 | u | | н | - | n | • | , |
| styrene | ND | 2 | n | ŋ | It | n | n | μ | i |
| bromoform | ND | 2 | ŋ | ** | 4 | TF TF | ** | н | ì |
| 1,1,2,2-tetrachloroethane | ND | 2 | ** | I/ | | n | II | n | i |
| Surrogate: 1,2-Dichloroethane-d4 | | (1) % | 79- | 131 | | | " | | |
| Surrogate: Toluene-d8 | | 3% | 85~ | | " | н | " | " | |
| Surrogate: Bromofluorobenzene | | 13 % | 85- | | " | " | ,, | п | |

Project: Vestal

Project Number: Vestal, NY
Project Manager: Cassandra Marshall

Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | | orting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------------------|-----------------|-------------|------------|----------------|----------|----------|--------|-------------|
| ISB-7 14-16' (5109022-11RE1) Soil | Sampled: 09/08/05 00:0 | Re | ceived: 09 | /09/05 09: | 1 0 | | | | |
| chloromethane | ND | | ug/kg dry | 1 | AI51909 | 09/19/05 | 09/19/05 | 8260 | Ţ |
| vinyl chloride | ND | 9 | 17 |)) | * | * | ٠ | n | Ţ |
| bromomethane | ND | 9 | ī | 77 | 19 | • | п | ħ | τ |
| chlorocthane | ND | 9 | n | n | n | " | | ir | Ţ |
| 1,I-dichloroethene | 1690 | 2 | * | ti | U | n | ŧŧ | , | 1 |
| acetone | 28 | 9 | 7 | \$1 | u | 11 | " | , | |
| carbon disulfide | ND | 2 | v | | 77 | d | 7 | * | 1 |
| methylene chloride | 14 | 2 | u | * | 71 | • | 4 | • | |
| trans-1,2-dichloroethene | ND | 2 | ₩. | U | IJ | n | 38 | 9 | Ţ |
| l,l-dichloroethane | 12 | 2 | ħ | " | U | 1) | | " | |
| vinyl acetate | ND | 9 | v | II. | Ħ | 11 | π | 77 | Ţ |
| 2-butanone | ND | 9 | 41 | 7 | * | 11 | n | | t |
| cis-1,2-dichloroethene | 2 | 2 | 11 | " | n | II | D | • | |
| chlorofo rm | 3 | 2 | * | I/ | n | n | U | n | |
| 1.1.1-trichloroethape | 30700 | 2 | • | " | п | 10 | n | ч | |
| carbon tetrachloride | 529 | 2 | 16 | • | * | • | - | и | |
| benzene | 3 | 2 | a | я | * | • | ,, | w | |
| 1,2-dichloroethane | ND | 2 | | | IJ | 77 | ** | | 1 |
| trichloroethene | 38800 | 2 | И | n | н | IJ | TI TI | • | 1 |
| 1,2-dichloropropane | ND | 2 | 47 | u | H | n | d | n n | Ţ |
| hromodichloromethane | ND | 2 | | ņ | 4 | п | | • | |
| 4-Methyl-2-pentanone (MIBK) | ND | 9 | 11 | # | 10 | | н | n | 1 |
| cis-1,3-dichloropropene | ND | 2 | ч | PF . | u | 10 | \$1 | n | 1 |
| toluene | 4490 | 2 | ** | п | , | n | ** | | |
| trans-1,3-dichloropropene | ND | 2 | π | u | 4 | TI TI | • | а | i |
| I,1,2-trichloroethane | 26 | 2 | ti- | # | | 4 | • | • | · |
| 2-hexanone | ND | 9 | 16 | , | 19 | | at | n | 1 |
| tetrachloroethene | 3790 | ź | Ħ | | 11 | • | | n | |
| dibromochloromethane | ND | 2 | | U | , | 11 | 11 | n | 1 |
| chlorobenzene | 191 | 2 | 77 | 4 | • | p | 4 | | |
| ethylbenzene | 2070 | 2 | * | и | " | • | 1) | w | |
| m,p-xylene | 6350 | 4 | п | l, | U | п | u | n | |
| o-xylene | 2630 | 2 | н | | u | 10 | 17 | ** | |
| styrene | ND | 2 | ₹ | π | я | п | , | * | 1 |
| bromoform | ND | 2 | U | | | Þ | | - | |
| 1,1,2,2-tetrachloroethane | 17 | 2 | 4 | IJ | | e | (t | N | |
| Surrogate: 1,2-Dichloroethane-d4 | | 7.3 % | 79- | /37 | | · " | H | • | S-0 |
| Surrogate: T-24Dictuor betriatie-44 Surrogate: Toluene-48 | | 5.0% | 85- | | " | * | " | " | 3 -0 |
| Surrogate: Bromofluorobenzene | | 5.0% | 85 - | | n | * | * | # | |

Waste Stream Technology Inc.

Project: Vestal

Project Number: Vestal, NY Project Manager: Cassandra Marshall Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | Repo Result I | rung Jimit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|-------------------------|---------------|-------------|-----------|---------|----------|----------|--------|-------|
| ISB-7 18-20' (5109022-12RE1) Soil | Sampled: 09/08/05 00:00 | Re | ceived: 09/ | 09/05 09: | 40 | | | | |
| chloromethane | ND | 9 | | 1 | AI51909 | 09/19/05 | 09/19/05 | 8260 | |
| vinyl chloride | ND | 9 | q | , | п | И | ıı . | * | |
| bromomethane | ND | 9 | * | II . | ** | u | ** | n | |
| chlorocthane | ND | 9 | н | ** | 11 | n | π | " | |
| 1,1-dichloroethene | 36 | 2 | IJ | π | 4 | 14 | • | ď | |
| acetone | 46 | 9 | n | " | и | • | 11 | 7 | |
| carbon disulfide | ND | 2 | н | • | n | D | ** | U | |
| methylene chloride | 8 | 2 | k | ti | n | a | R | n | |
| trans-1,2-dichloroethene | NĎ | 2 | 7 | ч | # | 4 | , | π | |
| 1,1-dichloroethane | 27 | 2 | U | * | μ | 7 | • | 71 | |
| vinyl acetate | ND | 9 | ų | " | n | , | n | le . | |
| 2-butanone | ND | 9 | • | ıı | 11 | 11 | ** | | |
| cis-1,2-dichloroethene | 3 | 2 | • | ņ | • | п | п | н | |
| chloroform | ND | 2 | H | # | 4 | M | • | 77 | |
| 1, 1, 1-trichloroethane | 701 | 2 | и | 11 | 17 | | U | * | |
| carbon tetrachloride | ND | 2 | 11 | ŋ | ü | n | u | II | |
| benzene | ND | 2 | • | U | и | п | " | | |
| 1,2-dichloroothane | ND | 2 | , | 'n | " | U | п | íŧ | |
| trichloroethene | 61 | 2 | 13 | 71 | # | 17 | | п | |
| 1,2-dichloropropane | ND | 2 | ţs. | * | 10 | r | , | # | |
| bromodichloromethane | ND | 2 | M | | u | n | n | Ħ | |
| 4-Methy!-2-pentanone (MIBK) | ND | 9 | | u | n | ш | n | ıi | |
| cis-1,3-dichloropropene | ND | 2 | ŋ | R | * | , | | π | |
| toluene | ND | 2 | 11 | - | Ħ | • | п | π | |
| trans-1,3-dichloropropene | ND | 2 | п | 7 | D | II . | n | le . | |
| 1,1,2-trichloroethane | ND | 2 | я | ø | | н | * | | |
| 2-hexanone | ND | 9 | 17 | 11 | • | | • | r. | |
| tetrachloroethene | Й | 2 | u | , | * | ₩. | n | • | |
| dibromochloromethane | ND | 2 | 11 | , | ग | , | | | |
| phlorobenzene | ND | 2 | • | D | n | 7 | q | п | |
| ethylbenzene | ND | 2 | n | u | • | ш | n | " | |
| m,p-xylene | ND | 4 | n | 4 | * | п | - | Ħ | |
| n-xylene | ND | 2 | п | п | | # | | 4 | |
| styrene | ND | 2 | 11 | 7 | • | " | 11 | | |
| promoform | ND | 2 | - | ч | 7 | II | п | п | |
| 1,1,2,2-tetrachloroethane | ND | 2 | 11 | 17 | • | 4 | 7 | T | |
| Surrogate: 1,2-Dichloroethane-d4 | | 0% | 79-1 | 31 | ĮT. | " | ,, | | |
| Surrogaic: Toluene-d8 | | 0% | 85-1 | | " | " | " | " | |
| Surrogaic: Bromofluorobenzene | | 6 % | 85-1 | | " | u | ,, | ıt | |

Project: Vestal

Project Number: Vestal, NY Project Manager: Cassandra Marshall Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | Result | orting Limit | Units | Dilution | Barch | Prepared | Analyzed | Method | Notes |
|----------------------------------|-------------------------|-----------------|------------|-----------|---------|----------|----------|--------|-------|
| ISB-8 6-8' (5109022-13RE1) Soil | Sampled: 09/08/05 00:00 | Receiv | ved: 09/09 | /05 09:40 | | | | | |
| chloromethane | ND | | ug/kg dry | I | AI51909 | 09/19/05 | 09/19/05 | 8260 | ξ |
| vinyl chioride | ND | 9 | | U | U | " | u | v | t |
| bromomethane | ND | 9 | n | 31 | • | , | 77 | " | ι |
| chloroethane | ND | 9 | 4 | * | n | п | - | • | ι |
| 1,1-dichloroethene | ND | 2 | 16 | п | # | 4 | # | 77 | ĭ |
| acetone | 26 | 9 | • | • | , | ** | п | U | |
| carbon disulfide | ND | 2 | ıt | 77 | r | 11 | U | | τ |
| methylene chloride | 2 | 2 | Ħ | b | II | 17 | 4 | 9 | |
| trans-1,2-dichloroethene | ND | 2 | , | U | įτ | ţı . | π | • | ι |
| 1,1-dichloroethane | ND | 2 | D | u | ** | 7 |), | я | Į |
| vinyl acetate | NĎ | 9 | tı | - | μ | 27 | н | b | ι |
| 2-butanone | ND | 9 | Ħ | | ø | 19 | " | . 0 | ι |
| cis-1,2-dichloroethene | ND | 2 | h | n | r. | n | " | n | Į |
| chloroform | ND | 2 | n | ď | • | 17 | Ħ | • | ľ |
| 1,1,1-trichloroethane | 10 | 2 | U | " | | ** | п | u | |
| carbon tetrachloride | ND | 2 | n | 7 | | 11 | u | ár . | ι |
| henzene | ND | 2 | 4 | 4 | ņ | 1, | ч | n | ι |
| 1,2-dichloroethane | ND | 2 | * | h | m | p. | 17 | | ζ |
| trichloroethene | 20 | 2 | þ | n | π | 11 | Ħ | # | |
| 1,2-dichloropropanc | ND | 2 | n | u | * | • | >+ | * | ζ |
| bromodichloromethane | ND | 2 | ų | w | Įı | ** | 11 | | τ |
| 4-Methyl-2-pentanone (MIBK) | ND | 9 | п | 7 | " | lı . | * | a | ι |
| cis-1,3-dichloropropene | ND | 2 | Ħ | n n | 41 | ıı . | ** | n n | Ţ |
| toluene | ND | 2 | н | | • | a | ₩ | 4 | Ţ |
| trans-1,3-dichloropropene | ND | 2 | Ð | 77 | Ħ | • | n | • | ι |
| 1,1,2-trichloroethane | ND | 2 | 4 | п | π | | H | • | ι |
| 2-hexanone | ND | 9 | n | b | ti. | 19 | u | u | Į |
| tetrachioroethene | ND | 2 | Ħ | • | 11 | ** | n | 44 | τ |
| dibromochloromethane | ND | 2 | • | 11 | • | d | | n | Ţ |
| chlorohenzene | ND | 2 | n | м | # | - | iı . | ĸ | ζ |
| ethylbenzene | ND | 2 | u | 71 | n | le . | 11 | * | ι |
| m,p-xylene | ND | 3 | * | IJ | u | 11 | " | " | τ |
| o-xylene | ND | 2 | • | u | H | n | - | 16 | Ţ |
| styrene | ND | 2 | U | π | • | * | | * | Ţ |
| bromoform | ND | 2 | u | * | η | , | ** | • | ť |
| 1, I, 2, 2-terrachloroethane | ND | 2 | יק | lı | ч | | ti | n | τ |
| Surrogate: 1,2-Dichloroethane-d4 | | 79.0 % | 79- | 131 | | | • | # | |
| Surrogate: Toluene-d8 | | 39.3 % | 85- | 115 | " | " | " | * | |
| Surrogate: Bromofluorobenzene | | 100 % | 85- | 120 | ** | " | tr | " | |

Waste Stream Technology Inc.

Sevenson/G-Jobs

Project: Vestal

104 Lakeview Drive Project Number: Vestal, NY
Chaddsford PA, 19317 Project Manager: Cassandra Marshall

Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

| Analyte | | orting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|-------------------------|-----------------|---------------|-------------|----------|----------|----------|----------|--------|
| ISB-8 10-12' (SI09022-14RE1) Soil | Sampled: 09/08/05 00:00 | Rec | eived: 09 | /09/05 09:/ | 40 | | | - | |
| chloromethane | ND | _ | ug/kg dry | 1 | A151909 | 09/19/05 | 09/19/05 | 8260 | |
| vinyl chloride | ND | 8 | | 11 | u | н | 11 | u | i |
| bromomethane | NĎ | 8 | Į) | ** | 77 | и | | | 1 |
| chlorocthane | ND | 8 | я | n | U | 29 | 4 | н | 1 |
| 1,1-dichloroethene | ND | 2 | n | 11 | 4 | п | • | # | 1 |
| acetono | 19 | 8 | Ħ | , | 11 | # | " | " | |
| carbon disulfide | ND | 2 | ., | Į1 | • | п | | п | ı |
| methylene chloride | 4 | 2 | п | # | H | ** | U | D. | |
| trans-1,2-dichloroethene | ND | 2 | ı | " | M | u | п | ţı. | ı |
| 1,1-dichloroethane | ND | 2 | 11 | ** | - | • | n | * | 1 |
| vinyl acetate | ND | 8 | ж | 17 | п | 11 | a | | i |
| 2-butanone | ND | 8 | lr . | п | tl | • | | м | i |
| cis-1,2-dichloroethene | ND | 2 | ** | л | n | 4 | U | 17 | · |
| chloroform | ND | 2 | 7 | IJ | п | 11 | " | u | ì |
| I,1,1-trichloroethane | 36 | 2 | v | ď | 77 | Ħ | n | ,, | ' |
| carbon tetrachloride | ND | 2 | 4 | n | н | σ | ,, | 19 | 1 |
| benzene | ND | 2 | , | п | u | u | ,, | * | , |
| 1,2-dichloroethane | ND | 2 | u | | 77 | • | 21 | 7 | , |
| trichloroethene | 82 | 2 | | " | H | 11 | п | U | • |
| 1,2-dichloropropane | ND | 2 | 77 | 4 | 77 | u u | ,. | • | 1 |
| bromodichloromethane | ND | 2 | н | , | | | | | i I |
| 4-Methyl-2-pontanone (MIBK) | ND ND | 8 | и | u u | , | | | | |
| cis-1,3-dichloropropene | ND ND | 2 | 0 | ,, | , | ** | | - | |
| cis-1,3-qicnioropropene | ЙИ | 2 | и. | ņ | ** | " h | | | Ţ |
| | • - | _ | | " | , | | | | Ţ |
| trans-1,3-dichloropropene | ND | 2 | , | , | , | , | | , | 1 |
| 1,1,2-trichloroethane | ND | 2 | 11 | , | ,. ** | " | ,, | W | Ţ |
| 2-hexanone | ND | 8 | ** | , | " " | " | | | 1 |
| tetrachloroethene | ND | 2 | - | " | q | | - | | l |
| dibromochloromethane | ND | 2 | n | " " | ,, | | - | " | |
| chlorobenzenc | ND | 2 | ,, H | , | , | π h | | ٠, | Ţ |
| ethylbenzene | ND | 2 | , | , | ., | 7 | | ,, | ! |
| m,p-xylene | ND | 3 | n | 1. | , | π | , | ,, | 1 |
| o-xylene | ND | 2 | " | ,, | u) 4 | r | " - | 7 | 1 |
| styrene bromoform | ND | 2 | 4 | " | # h | - | " | , | ! |
| | ND | 2 | " | " | H | , | | " | ' |
| 1,1,2,2-tetrachloroethene | ND | 2 | | | | _ | 4 | | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | | 3.3 % | 79- | | n | | " | " | |
| Surrogate: Tolvene-d8 | | 3.0 % | 85 | | • | 11 | • | ,, | |
| Surrogate: Bromofluorobenzene | I | 01% | 8 <i>5-</i> . | 120 | " | " | " | " | |

Sevenson/G-Jobs

Project: Vestal

104 Lakeview Drive Chaddsford PA, 19317 Project Number: Vestal, NY

Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Project Manager: Cassandra Marshall

| Analyte | Repor Result L | ting imit | Units | Dilution | Batch | Prepared | Analyzod | Method | Notes |
|-----------------------------------|-------------------------|--------------|--------------|-------------------------|---------|----------|----------|--------|-------|
| ISB-8 14-16' (5109022-15RE2) Soil | Sampled: 09/08/05 00:00 | Re | ceived: 09/ | /09/05 09: ₄ | 40 | | | | |
| chloromethane | ND | 8 | ug/kg dry | 1 | AI52011 | 09/19/05 | 09/20/05 | \$260 | 1 |
| vinyl chloride | ND | 8 | " | " | n | 17 | n | U | 1 |
| bromomethane | ND | 8 | п | • | ø | * | n | n | 1 |
| chloroethane | ND | 8 | • | μ | n | , | n | v | Ţ |
| 1,1-dichloroethene | ND | 2 | ч | W | 11 | и | u | u | Ţ |
| acetone | 20 | 8 | ff | " | л | п | π | 11 | |
| carbon disulfide | МD | 2 | • | (1 | 4 | U | н | п | 1 |
| methylene chloride | 14 | 2 | • | Ħ | - | ıı | - | d | |
| trans-1,2-dichloroethene | ND | 2 | + | u | | Œ | n | п | Ţ |
| 1,1-dichloroethane | ND | 2 | # | ti . | • | 11 | - | d | 1 |
| vinyl acetate | ND | 8 | n | " | * | • | n | , | ī |
| 2-butanone | ND | 8 | U | a | | • | " | # | Ţ |
| cis-1,2-dichloroethene | ND | 2 | ,, | π | • | • | | b | į |
| chloroform | ND | 2 | 11 | Ħ | 97 | * | | 17 | 1 |
| I,1,1-trichloroethane | 59 | 2 | O | Ħ | m | # | n n | Ħ | |
| carbon tetrachloride | ND | 2 | н | и | r | n | n | Π | 1 |
| benzene | ND | 2 | n | " | 11 | 11 | 11 | " | |
| 1.2-dichloroethane | ND | 2 | 11 | 17 | | n | n | fi | 1 |
| trichloroethene | 149 | 2 | ч | IJ | U | n | n | n | |
| 1,2-dichloropropane | ИN | 2 | u | tı | н | IJ | n | п | , |
| bromodichloromethane | ND | 2 | 7 | 17 | n | ti | п | II . | ī |
| 4-Methyl-2-pentanone (MIBK) | ДИ | 8 | ıt | Ħ | u | į, | , | п | , |
| cis-1,3-dichloropropene | ND | 2 | - | | н | H | • | α | 1 |
| toluene | ND | 2 | | v | 4 | ıı | - | ţi. | 1 |
| trans-1,3-dichloropropene | ND | 2 | ,- | π | - | Ü | h | π | 1 |
| 1,1,2-trichlorocthane | ND | 2 | 7* | ,, | | u | и | 4 | 1 |
| 2-bexanone | ND | 8 | n | n | * | • | n | - | į |
| tetrachloroethene | ďИ | 2 | " | n | • | | " | π | Ţ |
| dibromochloromethane | ND | 2 | II | я | | 7 | ., | # | ĺ |
| chlorobenzene | ND | 2 | n | ** | | • | 11 | # | 1 |
| cthylbenzene | ND | 2 | u | n | ır | ₩. | | 19 | i |
| m,p-xylene | Й | 3 | 4 | lı | lø. | ŋ | ** | U | 1 |
| o-xylene | ND | 2 | π | η | 17 | п | 11 | | 1 |
| styrene | ND | 2 | * | 11 | ņ | 11 | п | п | |
| bromoform | ND | 2 | | u | п | tt. | и | n | 1 |
| 1,1,2,2-tctrachloroethane | ND | 2 | TF TF | π | - | ** | , | 4 | 1 |
| Surrogate: 1,2-Dichloroethane-d4 | | <i>T%</i> | 79- | 131 | | · " | 17 | ** | |
| Surrogate: Toluene-d8 | | 4% | 8 <i>5</i> - | | " | п | · | 40 | |
| Surrogate: Bromofluorobenzene | | 0% | 85- | | " | п | u | tt . | |

Waste Stream Technology Inc.

Project: Vestal

Project Number: Vestal, NY Project Manager: Cassandra Marshall Reported: 09/27/05 11:21

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | Result . | eporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|----------------------|-------------------|------------|-----------|-----------------|----------|----------|----------|-------|
| (SB-8 18-20' (5109022-16RE1) Soil | Sampled: 09/08/05 00 | :00 Re | ceived: 09 | 09/05 09: | 40 | | | | |
| chloromethane | ND | 10 | ug/kg dry | Ï | A151909 | 09/19/05 | 09/19/05 | 8260 | |
| vinyl chloride | ND | 10 | | W | ** | п | W | u | |
| bromomethane | ND | 10 | π | • | 11 | п | 11 | n | |
| chloroethane | ND | 10 | n | 11 | Ħ | , | 1, | - | |
| 1,1-dichloroethene | 176 | 2 | п | 11 | п | п | 7 | | |
| acotone | 51 | 10 | n | - | 7 | n | n | п | |
| carbon disulfide | ND | 2 | U | (1 | Ħ | • | n | Ħ | |
| methylene chloride | 9 | 2 | ıt | 17 | II | 19 | ** | U | |
| trans-1,2-dichloroethene | DN | 2 | ú | ч | 4 | • | - | • | |
| 1,1-dichloroethane | 39 | 2 | 7 | η | v | П | 7 | п | |
| vinyl acetate | ND | 10 | н | ų | | • | n | 17 | |
| 2-butanone | ND | 10 | ٠ | | | ņ | | n | |
| cis-1,2-dichloroethene | 15 | 2 | п | 74 | IJ | | н | п | |
| chloroform | ND | 2 | v | n | п | u | * | " | |
| 1,1,1-trichloroethane | 2580 | 2 | | п | n | 7 | " | 11 | |
| carbon terrachloride | ND | 2 | 1) | ŧı | ıl | , H | • | * | |
| benzene | ND | 2 | ıt | i) | п | • | u | " | |
| 1,2-dichloroethane | ND | 2 | IJ | ч | Ħ | F | * | π | |
| trichloroethene | 56 | 2 | Ħ | н | и | U | U | 0 | |
| 1,2-dichloropropane | ND | 2 | v | п | - | • | | k | |
| bromodichloromethane | ND | 2 | | " | ĮI. | n | ĮI. | ņ | |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 11 | Ħ | p | • | 71 | M | |
| cis-1,3-dichloropropene | ND | 2 | × | 91 | d | | ** | u | |
| tolucne | ND | 2 | ti | • | r | # | π | п | |
| trans-1,3-dichloropropene | ND | 2 | Я | η | 16 | 11 | II . | U | |
| 1.1,2-trichloroethane | ND | 2 | U | и | | - | D | • | |
| 2-hexanone | ND | 10 | h | " | п | 11 | п | ٦ | |
| tetrachlorocthene | ND | 2 | п | 77 | u | | u | | |
| dibromochloromethane | ND | 2 | n | u | п | ıı | # | п | |
| chlorobenzene | ND | 2 | 4 | н | п | 7 | " | | |
| ethylbenzene | ND | 2 | 4 | n | | 11 | " | | |
| m,p-xylene | ND | 4 | п | II | ıı | | •• | n | |
| o-xylene | ND | 2 | " | 4 | , | 4 | n | π | |
| styrene | ND | 2 | 4 | | п | U | ** | п | |
| bromoform | ND | 2 | | я | π | 77 | u | 77 | |
| I,1,2,2-tetrachloroethane | ND | 2 | π | a | п | y | - | н | |
| Surrogate: 1,2-Dichloroethane-d4 | | 90.7 % | 79- | 131 | - " | " | -· " | | |
| Surrogate: Toluene-d8 | | 89.7% | 85- | | n | ~ | " | " | |
| Surrogate: Bromofluorobenzene | | 102 % | 85- | | π | н | ,, | " | |

Waste Stream Technology Inc.

Sevenson/G-Jobs

Project: Vestal

104 Lakeview Drive Chaddsford PA, 19317 Project Number: Vestal, NY Project Manager: Cassandra Marshall

Reported: 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' (5109022-01) 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 | 14/11 |
| ISB-5 10-12' (5109022-02) Soil | Sampled: 09/08/05 00:00 | Roceive | i: 09/09/ | 05 09:40 | | | | | |
| % Solids | 80.8 | 0.1 | % | 1 | AI51912 | 09/16/05 | 09/19/05 | % calculation | |
| ISB-5 14-161 (5109022-03) Soil | Sampled: 09/08/05 00:00 | Received | 1: 09/09/ | 05 09:40 | | | | _ | |
| % Solids | 82.0 | 0.1 | % | i | AI51912 | 09/16/05 | 09/19/05 | % calculation | |
| ISB-5 18-20' (5109022-04) Soil | Sampled: 09/08/05 00:00 | Received | 1: 09/09/ | 05 09:40 | | | | | |
| % Solids | 86.1 | 0.1 | % | I | AI51912 | 09/16/05 | 09/19/05 | % calculation | |
| ISB-6 6-8' (5109022-05) Soil | Sampled: 09/08/05 00:00 1 | Received: (| 09/09/05 | 09:40 | | | | | |
| % Solids | 83.9 | 0.1 | % | 1 | AI51912 | 09/16/05 | 09/19/05 | % calculation | |
| ISB-6 10-12! (5109022-06) Soil | Sampled: 09/08/05 00:00 | Received | 1: 09/09/ | 05 09:40 | | | | | |
| % Solids | 81.3 | 0.1 | % | 1 | AI51912 | 09/16/05 | 09/19/05 | % calculation | |
| ISB-6 14-16' (5109022-07) Soil | Sampled: 09/08/05 00:00 | Received | i: 09/09/ | 05 09:40 | | | | | |
| % Solids | 82.3 | 0.1 | % | 1 | AI51912 | 09/16/05 | 09/19/05 | % calculation | |
| ISB-6 18-20' (5109022-08) Soil | Sampled: 09/08/05 00:00 | Received | i: 09/09/ | 05 09:40 | | | | | |
| % Solids | 86.4 | 0.1 | % | 1 | AI51912 | 09/16/05 | 09/19/05 | % calculation | |
| ISB-7 6-8' (5109022-09) Soil : | Sampled: 09/08/05 00:00 1 | 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 Chaddsford PA, 19317 Project Number: Vestal, NY Project Manager: Cassandra Marshall Reported: 09/27/05 11:21

Conventional Chemistry Parameters by EPA Methods Waste Stream Technology Inc.

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------------------------|-----------|------------|-----------------|---------|----------|----------|---------------|-------|
| ISB-7 10-12' (5109022-10) Soil | Sampled: 09/08/05 00:00 | Received | 1: 09/09/0 | 05 09:40 | | | | | |
| % Solids | 81.7 | 0.1 | % | i | AI52008 | 09/19/05 | 09/20/05 | % calculation | |
| ISB-7 14-16' (5109022-11) Soil | Sampled: 09/08/05 00:00 | Received | 1: 09/09/0 | 05 09:40 | | | | | |
| % Solids | 81.2 | 0.1 | % | 1 | AI52008 | 09/19/05 | 09/20/05 | % calculation | 1,1 |
| ISB-7 18-20' (5I09022-12) Soil | Sampled: 09/08/05 00:00 | Received | 1: 09/09/0 | 05 09:40 | | | | | _ |
| % Solids | 85.1 | 0.1 | % | I | AI52008 | 09/19/05 | 09/20/05 | % calculation | |
| ISB-8 6-8' (5109022-13) Soil S | ampled: 09/08/05 00:00 R | Leceived: | 09/09/05 | 09:40 | | | | | |
| % Solids | 83,4 | 0.1 | % | 1 | AI52008 | 09/19/05 | 09/20/05 | % calculation | |
| ISB-8 10-12' (5109022-14) Soil | Sampled: 09/08/05 00:00 | Received | 1: 09/09/0 | 05 09:40 | | | | | |
| % Solids | 79.5 | 0.1 | % | 1 | AI52008 | 09/19/05 | 09/20/05 | % calculation | |
| ISB-8 14-16' (5109022-15) Soil | Sampled: 09/08/05 00:00 | Received | 1: 09/09/ | 05 09:40 | | | | | |
| % Solids | 78.8 | 0.1 | % | 1 | AI52008 | 09/19/05 | 09/20/05 | % calculation | • |
| ISB-8 18-20' (5109022-16) Soil | Sampled: 09/08/05 00:00 | Received | 1: 09/09/0 | 05 09:40 | | | | | |
| % Solids | 85.9 | 0.1 | % | 1 | AI52008 | 09/19/05 | 09/20/05 | % calculation | |

SEP.27.2005 11:39AM

Relative Percent Difference

RPD

NO.574 P.22/24

| 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. |
| Е | 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 |
| dгу | Sample results reported on a dry weight basis |

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| Edit | 064 | Waste Stream Techniology Inc. 302 Grote Street, Buffalo, NY 14207 | (716) 876-5290 • FAX (716) 876-2412 | DW DRINKING WATER GW GROUND WATER SW SUREACE WATER WWW WASTE WATER O OIL | SAS | DI | E'09 | c ₈ | X | | : | | | -> | , | | - " | | Ą | | TIME: 14:00 | Ä |
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| YOUSTON | g g | کے | t/a | Pash! | | | | 9 | 1446' | 18-20 | 18-9 | 10-12 | 14-16 | 18-30 | | | | | | , | Jul J | |
| CHAIN OF CUSTODY | REPORT TO: SCASSA | 104 Lakavieus | Chadds God | ACT Cassardy | \vdash \vdash | | ECT DESCRIPTION | SAMPLER SIGNATURE SAMPLE LD | (SB-7 | 158-7 | 138-8 | 8-851 | 158-8 | 158-8 | | | | | AKS: | ¢ | Course to Bry Herr | ONSHED BY: |
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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: 5l23002

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





Project: Vestal

Project Number: S.E.S. - Vestal Project Manager: Cassandra Marshall Reported: 10/07/05 09:59

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|----------------|----------------|
| TMW-1 | 5123002-01 | 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 |

Project: Vestal

Project Number: S.E.S. - Vestal Project Manager: Cassandra Marshall **Reported:** 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 | |
| vinyl chloride | 3 | 1 | 11 | 11 | U U | " | п | " | |
| oromomethane | ND | 2 | 18 | 11 | n | 11 | u | n | |
| chloroethane | 88 | 2 | #1 | 11 | 11 | 11 | 4 | и | |
| 1,1-dichloroethene | 3130 | 50 | *1 | 50 | | II. | 11 | 11 | |
| acetone | ND | 10 | *1 | 1 | U | II . | " | и | |
| carbon disulfide | 2 | 1 | " | и | u | II. | | и | |
| methylene chloride | 183 | 2 | ** | t! | 11 | " | 11 | и | |
| trans-1,2-dichloroethene | 5 | 1 | 11 | 15 | " | u | 10 | H | |
| 1,1-dichloroethane | 538 | 50 | " | 50 | n | Ħ | *** | ** | |
| vinyl acetate | ND | 10 | Ħ | 1 | н | U | 11 | 11 | |
| 2-butanone | ND | 10 | 0 | 11 | ** | 11 | u | " | |
| cis-1,2-dichloroethene | 176 | 50 | 11 | 50 | 11 | U | 11 | ** | |
| chloroform | 12 | 1 | ** | 1 | 11 | n | 11 | 11 | |
| 1,1,1-trichloroethane | 194000 | 1000 | ** | 1000 | u | п | | n | |
| carbon tetrachloride | 122 | 1 | ** | 1 | 0 | н | 11 | I1 | |
| oenzene | 2 | 1 | ,, | н | п | n | 10 | II | |
| 1.2-dichloroethane | ND | 1 | n | н | 18 | n | ie . | 11 | |
| trichloroethene | 33600 | 1000 | " | 1000 | u | и | u | 11 | |
| 1,2-dichloropropane | ND | 1 | ** | 1 | 11 | H . | | 11 | |
| promodichloromethane | ND | 1 | | | 11 | 11 | 19 | n, | |
| 2-chloroethylvinyl ether | ND | 10 | н | | 11 | н | 16 | ** | |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 11 | | 17 | и | и | n | |
| cis-1,3-dichloropropene | ND ND | 10 | " | n | 11 | U | 11 | 11 | |
| toluene | 186 | 1 | ri | li . | 11 | u | | 11 | |
| | ND | 1 | ,, | | R | 11 | | 11 | |
| rans-1,3-dichloropropene | | 1 | | | 11 | и | , | ,, | |
| 1,1,2-trichloroethane | 33 | | " | | | u u | R | ** | |
| 2-hexanone | ND | 10 | ., | | | " | | | |
| tetrachloroethene | 28 | 1 | | | | " | | | |
| libromochloromethane | ND | 1 | D | и | | | | n | |
| chlorobenzene | 3 12 | 1 | ,, | H | | ,, | | " | |
| ethylbenzene | 33 | 2 | it. | | ,, | | | | |
| n,p-xylene | | | | ** | ,, | | | | |
| o-xylene | 12 ND | i 1 | 10 | " | ,, | | | | |
| styrene | ND ND | 1 | | ** | | | 11 | | |
| promoform | ND ND | 1 | 11 | *1 | " " | | | " | |
| 1,1,2,2-tetrachloroethane | | <u>-</u> | | | | | ,, | | |
| Surrogate: 1,2-Dichloroethane-a | !4 | 129 % | | -120 | ., | " | " | | |
| Surrogate: Toluene-d8 | | 104 % | | -120 | " | " | " | " | |
| Surrogate: Bromofluorobenzene | | 106 % | 75- | -120 | " | " | " | " | |

Waste Stream Technology Inc.

Project: Vestal

Project Number: S.E.S. - Vestal Project Manager: Cassandra Marshall

Reported: 10/07/05 09:59

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | Result | porting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------------|------------------|-----------|-----------|---------|----------|----------|-------------------------------------|------|
| Trip Blank (5I23002-02) Water | Sampled: 09/21/05 00:00 | Receive | ed: 09/23 | /05 09:15 | | | | | |
| chloromethane | ND | 2 | ug/l | 1 | AJ50302 | 10/03/05 | 10/03/05 | 8260 | |
| vinyl chloride | ND | 1 | h | " | н | ** | н | n . | |
| oromomethane | ND | 2 | н | " | ** | 11 | n . | n n | |
| chloroethane | ND | 2 | п | n | ** | 11 | n. | " | |
| 1,1-dichloroethene | ND | 1 | н | 10 | H | *1 | н | n | |
| acetone | ND | 10 | н | 11 | н | н | u | ч | |
| carbon disulfide | ND | 1 | 11 | 11 | H | н | 11 | rt . | |
| methylene chloride | 3 | 2 | 19 | It | | н | 11 | н | |
| rans-1,2-dichloroethene | ND | 1 | 11 | " | 11 | 11 | u u | " | |
| l, l-dichloroethane | ND | 1 | 11 | ** | 11 | It | 19 | " | |
| vinyl acetate | ND | 10 | ** | н | U | 11 | 11 | R | |
| 2-butanone | ND | 10 | 11 | н | u. | 11 | н | II. | |
| cis-1,2-dichloroethene | NĎ | 1 | 91 | н | 11 | 0 | le . | II. | |
| chloroform | ND | 1 | 11 | ** | 51 | II. | 19 | u. | |
| 1,1,1-trichloroethane | ND | 1 | 11 | 11 | н | н | u | ti. | |
| carbon tetrachloride | ND | 1 | н | 11 | н | 0 | n | 11 | |
| penzene | ND | 1 | н | 11 | 0 | ti | ** | 11 | |
| 1,2-dichloroethane | ND | 1 | | " | н | ** | м | 11 | |
| richloroethene | ND | 1 | n | 11 | п | Ħ | 11 | " | |
| 1,2-dichloropropane | ND | 1 | н | 11 | н | ** | n . | n | |
| oromodichloromethane | ND | 1 | 11 | 11 | 0 | n | u | n | |
| 2-chloroethylvinyl ether | ND | 10 | 11 | 11 | (r | 11 | u u | n | |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | н | " | 10 | *1 | 11 | н | |
| cis-1,3-dichloropropene | ND | 1 | н | II | н | *1 | 11 | ** | |
| coluene | ND | 1 | н | 11 | Ħ | 11 | n | ti . | |
| rans-1,3-dichloropropene | ND | 1 | n | 16 | н | ti | п | " | |
| 1,1,2-trichloroethane | ND | 1 | * | 11 | н | *1 | n | N, | |
| 2-hexanone | ND ND | 10 | ** | | ** | 11 | It | 11 | |
| tetrachloroethene | ND | 10 | " | 11 | н | 11 | n | 11 | |
| dibromochloromethane | ND | 1 | ** | 11 | ** | ** | 11 | ** | |
| chlorobenzene | ND | 1 | ** | u | 17 | 11 | 0 | | |
| ethylbenzene | ND | 1 | ** | н | 11 | II. | n | 11 | |
| m,p-xylene | ND | 2 | *1 | ø | 11 | 11 | n | 11 | |
| o-xylene | ND | 1 | ** | н | II | 11 | 0 | n | |
| styrene | ND ND | 1 | 11 | 11 | 11 | 11 | O | 11 | |
| oromoform | ND | 1 | | 11 | ,, | и | | u · | |
| 1,1,2,2-tetrachloroethane | ND | I | | " | н | 11 | п | " | |
| Surrogate: 1,2-Dichloroethane-d4 | | 89.3 % | 70- | 120 | | | " | · · · · · · · · · · · · · · · · · · | |
| Surrogate: Toluene-d8 | | 105 % | | 120 | " | " | " | " | |
| Surrogate: Totuene-ao Surrogate: Bromofluorobenzene | | 99.7% | | 120 | " | ,, | " | " | |

Waste Stream Technology Inc.

| 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 |

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 |

| RELINQUISHED BY: | REMARKS: | 10 | Φ | Φ. | o | OT. | 4 | ω | 2 Trip Blank | 1 TMW-1 | F CUSTODY A, DA 19317 A, DA 1 | |
|---------------------------------------|----------|----|---|----|----------|-----|---|---|--------------|---|--|---|
| DATE: TIME: 9/22/05 /2:20 | | | | | | | | | ω | 0 00 00 00 00 00 00 00 00 00 00 00 00 0 | DATE SAMPLED (716) | |
| RECEIVED BY: | | | | | , | | | | | | GROUP # SIAROUND TIME: SI SLUDGE SOSOIL W WIPE OTHER ANALYSES TO BE PERFORMED | |
| DATE: TIME: O 123 103 CY 115 DATE: | | | | | à | | | | 02 | Q | ARE SPECIAL DETECTION LIMITS REQUIRED: YES If yes please attach requirements. Is a QC Package required: YES If yes please attach requirements OFFICE USE ONLY COMMENTS: OFFICE USE ONLY WST. I.D. | _ |

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 | 0/26/05 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' | 5/12013-02 | Soil | 10/11/05 00:00 | 10/12/05 09:30 |

Project: Vestal

Project Number: Vestal Area 4
Project Manager: Cassandra Marshall

Reported: 10/26/05 16:09

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | Result | eporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|-------------------------|-------------------|-------------|----------|---------|----------|----------|--------|-------|
| ISB-6 24'-26' (5J12013-01) Soil | Sampled: 10/11/05 00:00 | Receive | ed: 10/12/0 | 5 09:30 | | | | ` | |
| chloromethane | ND | 2430 | υg/kg | 2 | AJ51314 | 10/13/05 | 10/13/05 | 8260 | Ţ |
| vinyl chloride | ND | 2430 | v | a a | • | н | н | и | ι |
| bromomethane | ND | 2430 | " | • | ** | v | | n | ţ |
| chloroethane | ND | 2430 | n | * | 41 | n | " | D | Ţ |
| I, I-dichloroethene | ND | 487 | II. | " | n | * | в | ч | ι |
| acetone | ND | 2430 | 11 | ** | " | •) | " | n n | Į |
| carbon disulfide | ND | 487 | " | ı | | 11 | " | " | ţ |
| methylene chloride | 1860 | 487 | 16 | v | " | " | и | | |
| trans-1,2-dichloroethene | ND | 487 | и | ** | ĸ | 11 | II. | q | ι |
| l, l-dichloroethane | ND | 487 | ** | # | 11 | ш | ** | 7 | Į |
| vinyl acctate | ND | 2430 | • | 17 | " | u | ď | и | τ |
| 2-butanone | ND | 2430 | n | " | 16 | ď | н | a | Į |
| cis-1,2-dichloroethene | ND | 487 | н | 71 | • | 4 | Ð | 41 | τ |
| chloroform | ND | 487 | ** | • | 9 | " | | * | ι |
| l,1,1-trichloroethane | 62300 | 2430 | H | 10 | " | " | 10/17/05 | er . | |
| carbon tetrachloride | ND | 487 | II . | 2 | | m | 10/13/05 | u | τ |
| penzene | ND | 487 | 11 | Ħ | | II . | 17 | " | Ę |
| 1,2-dichloroethane | ND | 487 | 11 | * | " | н | " | * | į. |
| richloroethene | 27600 | 487 | " | " | ч | 11 | 46 | r · | |
| 1,2-dichloropropane | ND | 487 | N | 11 | π | 4 | • | | (|
| promodichloromethane | ND | 487 | II . | u | | | N | 11 | i |
| 4-Methyl-2-pentanone (MIBK) | ND | 2430 | 11 | 4 | II . | n | | nt. | į |
| cis-1,3-dichloropropene | ND | 487 | а | н | 0 | n | ,, | μ | Ū |
| oluene | ND | 487 | п | ** | 11 | " | 11 | " | ί |
| rans-1,3-dichloropropene | ND | 487 | • | H | H | a | n | n . | ί |
| 1,1,2-trichloroethane | ND | 487 | " | 16 | n | , | 4) | u | Ĭ. |
| 2-hexanone | ND | 2430 | w | - | ,, | ., | u . | - | Ū |
| etrachloroethene | ND | 487 | ** | я | | " | | × | Ü |
| libromochloromethane | ND | 487 | SI . | Þ | 11 | 11 | 41 | ** | Ţ, |
| hlorobenzene | ND | 487 | • | | ч | ** | ш | *1 | Ū. |
| thylbenzene | ND | 487 | ĸ | u | | п | n | 10 | u. |
| n,p-xylene | ND | 973 | v | 4 | D. | " | n | u | U |
| -xylene | ND | 487 | u | × | | n | 11 | п | Ü |
| tyrene | ND | 487 | 10 | Ħ | н | н | | ** | Ü |
| promoform | ND | 487 | | n | 10 | (1 | п | II. | ŭ |
| .1,2,2-tetrachloroethane | ND | 487 | ti . | ** | | • | Þ | II . | ū |
| surrogate: 1,2-Dichloroethane-d4 | | 81.3% | 79-13 | 7 | | · · "• · | " | , | |
| Surrogate: Toluene-d8 | | 89.3 % | 85-11 | | " | " | ,, | ,, | |
| Surrogale: Bromofluorobenzene | | 92.3 % | 85-12 | | " | * | н | ,, | |

Project: Vestal

Project Number: Vestal Area 4
Project Manager: Cassandra Marshell

Reported: 10/26/05 16:09

Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

| Analyte | Result | porting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|----------------------|------------------|---------------|------------|---------|-----------|----------|----------|-------|
| ISB-8 24'-26' (5J12013-02RE1) Soil | Sampled: 10/11/05 00 |):00 Re | ceived: 10 | /12/05 09: | :30 | | | | |
| chloromethane | ND | 8 | ug/kg dry | 1 | AJ52006 | 10/13/05 | 10/20/05 | 8260 | |
| vinyl chloride | ND | 8 | " | 11 | п | , | n | " | 1 |
| bromomethane | ND | 8 | 44 | | 0 | W | | | ı |
| chloroethane | ND | 8 | • | ıı | u | ч | 4 | * | Į. |
| 1,1-dichloroethene | 2 | 2 | n | 4 | , | π | н | u | |
| acetone | 39 | 8 | 41 | | n | " | | я | |
| carbon disulfide | ND | 2 | m | н | 11 | 11 | и | , | τ |
| methylene chloride | ND | 2 | | u | • | • | # | " | 1 |
| trans-1,2-dichloroethene | ND | 2 | н | n | ıı | ** | | 14 | Ţ |
| l, l-dichloroethane | ND | 2 | 19 | II . | ш | | 4 | n | Ţ |
| vinyl acetate | ND | 8 | l, | ** | # | 11 | н | | , |
| 2-butanone | ND | 8 | | • | II . | н | ., | " | ı |
| cis-1,2-dichloroethene | ND | 2 | 11 | II . | ır | u | 4 | H | , |
| chloroform | ND | 2 | f: | ** | 71 | ** | ц | n | , |
| 1,1,1-trichloroethane | 92 | 2 | U | ч | n | • | ** | • | |
| carbon tetrachloride | ND | 2 | •• | • | n | P | 44 | " | 1 |
| penzene | ND | 2 | 11 | D | ŧı | 11 | н | " | Ţ |
| 1,2-dichloroethane | ND | 2 | | 11 | 4 | n | н | w | 1 |
| richloroethene | 61 | 2 | | ** | u | 11 | Br . | ** | |
| 1,2-dichloropropane | ND | 2 | • | | • | | | * | ī |
| promodichloromethane | ND | 2 | 4 | a | n | u | ** | ,, | Ţ |
| -Methyl-2-pentanone (MIBK) | ND | 8 | • | n | 11 | 11 | и | n | , |
| cis-1,3-dichloropropene | ND | 2 | •• | " | • | * | • | ** | |
| oluene | ND | 2 | | | " | 11 | | r | τ |
| rans-1,3-dichloropropene | ND | 2 | 11 | 11 | | " | " | 11 | Ţ |
| 1,1,2-trichloroethane | ND | 2 | | 41 | 41 | 4 | 4 | | , |
| 2-hexanone | ND | 8 | ır | | | | n | | Ţ |
| etrachloroethene | ND | 2 | | u | ** | | " | ** | ì |
| libromochloromethane | ND | 2 | в | • | 11 | " | | u | Ţ |
| chlorobenzene | ND | 2 | 18 | 11 | п | | " | - | , |
| thylbenzene | ND | 2 | | | n | " | к | | (|
| n,p-xylene | ND | 3 | " | 4 | | " | 41 | | l |
| -xylene | ND | 2 | 11 | 19 | n | | ** | u | l |
| tyrene | ND | 2 | 41 | | ur . | 11 | | | Į |
| promoform | ND | 2 | ** | ** | | | | | (|
| .1.2,2-tetrachloroethane | ND | 2 | | *) | " | ** | 41 | | Ţ |
| Surrogate: 1,2-Dichloroethane-d4 | | 111% | 79-1 | ₹7 | | . | n | ŕ | |
| Surrogate: Toluene-d8 | | 99.7% | 85 - 1 | | u u | " | a | ,, | |
| Surrogate: Bromofluorobenzene | | 102 % | 85-1 | | " | | ,, | | |

Sevenson/G-Jobs

Project: Vestal

104 Lakeview Drive Chaddsford PA, 19317 Project Number: Vestal Area 4
Project Manager: Cassandra Marshall

Reported: 10/26/05 16:09

Conventional Chemistry Parameters by EPA Methods Waste Stream Technology Inc.

| Analyte | Result | porting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------|-------------------------|------------------|-----------|-----------|---------|----------|----------|---------------|-------|
| ISB-6 24'-26' (5J12013-01) Soil | Sampled: 10/11/05 00:00 | Receive | d: 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 | Receive | ed: 10/12 | /05 09:30 | | | | | |
| % Solids | 83.0 | 0.1 | % | 1 | AJ5]415 | 10/13/05 | 10/14/05 | % calculation | |

| Sevenson/G-Jobs | Project: | Vestal | |
|----------------------|------------------|--------------------|----------------|
| 104 Lakeview Drive | Project Number: | | 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

5514013

SEVERA STL

| | Chain of Custor Number 211354 | Page of | | Special Instructions/ | Conditions of Receipt | , | 10/055 101 | 7: 63 | encor for | ech Sope | | | | | | (A fee may be assessed it samples are retained tonger than I month) | | 10-12-05 09:30 | Time | Dare | | |
|---------------------------------|-------------------------------|---|--|------------------------|-----------------------------------|--|--------------|--------------|-----------|----------|--|----|---|--|---|---|---------------------|------------------------|----------------|--------------------|----------|---|
| Severn Trent Laboratories, Inc. | 10/11/05 | Lab Number | Analysis (Attach list if more space is needed) | | | 6 | 5 | 4.0 | | | | • | | | | Months | | (| | | | , |
| TRENT Severn Tren | | /610-388-0731 | Lab Contact | 127- | Containers & Proservatives | N80H N90H HCI HKO3 HKSO4 | | × | | | | | | | | Disposal By Lab | C Requirements (Spe | 1. Kercented By | 2. Received By | 3. Received By | | |
| | Project Manager Morshall | Telephone Number (Area Code)/Fax Number (6)0 - 388 - 672) | Site Confact Lab | Carrier/Waybill Number | Malrix | Air Aduana Sed. | × | × | , | | | | ! | | | Sample Disposal Thicown Betum to Client | | 1900 11/05 Time . 3 | | . Діте | , | |
| , V. | * | | State Zip Code | 17.6 | | n one time) Date | 10/11/05 | 50/11/01 | | | | ,, | | | , | | STANDARD | 10.00 | | | | |
| Chain of Custody Record | SILATA (MOI) | Adress Lukeview Dr. | The dols Ford | • | Contract/Purchase Order/Quote No. | Sample I.D. No. and Description (Containers for each sample may be combined on one line) | 1515-6 24-26 | 158-8 24-26' | | | | | | | | Possible Hazard Identification Non-Hazard Flammable | me Required | 1. Relatified By Court | Reinquished By | 3. Relinquished By | Comments | |

APPENDIX B Well Boring Logs

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:

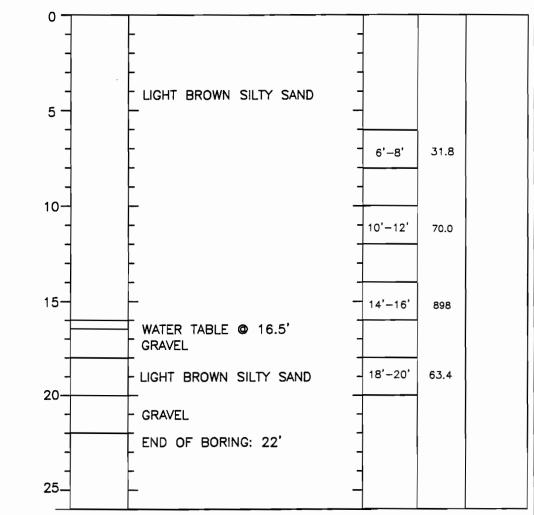
DRAWING NO.: ISB-6

103 COLLEGE AVE, SE GRAND RAPIDS, MICHIGAN 49503

WELL CONSTRUCTION DEPTH (FT)

BORING DESCRIPTION AND COMMENTS

SAMPLE PID PPM
PPM



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

| /ELL CONSTRUCTION DEPTH (FT) | BORING LOG | DESCRIPTION AND COMMENTS | SAMPLE INTERVIAL | PID ppm |
|------------------------------|---------------|--------------------------|---------------------|------------|
| 0 - | | | | |
| | | - | + | |
| - | | - | 1 | |
| - | | LIGHT BROWN SILTY SAND | - | |
| 5 - | | | | |
| - | | - | 6'-8' | 2.0 |
| - | | _ | + | |
| - 10- |] | - | 1 | |
| • | | - | 10'-12' | 10.8 |
| - - | | - - | | |
| - | | - | | |
| 15- | | _ | 14'-16' | 902 |
| - | | WATER TABLE @ 16.5' | | |
| - | | _ | _ 18'-20' | |
| - 20– | | GRAVEL © 20' | - 18 -20 | 2.2 |
| - | | - END OF BORING: 20' | - | |
| - | | | <u> </u> | |
| - | | _ | - | |
| 25_ | | _ | - | |

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

103 COLLEGE AVE, SE GRAND RAPIDS, MICHIGAN 49503

SAMPLE PID WELL CONSTRUCTION DEPTH (FT) **BORING** DESCRIPTION AND COMMENTS LOG INTERVIAL ppm LIGHT BROWN SILTY SAND 5 THIN WATER SEAM AT 6' 0.0 6'-8' 10 10'-12' 0.1 15 14'-16' 0.1 WATER TABLE @ 16.5' 18'-20' 0.1 20-**GRAVEL** END OF BORING: 22' 25.

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

Shaw*

103 COLLEGE AVE, SE
GRAND RAPIDS, MICHIGAN 49503

| ELL CONSTRUCTION DEF | TH BORING T) LOG | DESCRIPTION AND COMMENTS | SAMPLE PID INTERVIAL ppm |
|----------------------|---------------------|---|--|
| PVC | 0 | WATER TABLE © 16.5' GRAVEL SEAM 17'-17.5' LIGHT BROWN SILTY SAND GRAVEL AT 20' END OF BORING: 20' | - 6'-8' 2.2 - 10'-12' 0.1 - 14'-16' 55 - 18'-20' 28.1 |