Environmental Consultants

SCS ENGINEERS

INTERIM SITE INSPECTION REPORT
BUILDINGS 101 & 110

SAINT LOUIS FEDERAL CENTER
4300 GOODFELLOW BOULEVARD
SAINT LOUIS, MISSOURI

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LIST OF ACRONYMS AND ABREVIATIONS

AL	Action Level
ASTM	American Society for Testing and Materials
AT	Assay Technology Labs
bgs	Below Ground Surface
BGS	Below Ground Service, Inc.
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
COC	Chemical of Concern
cm^2	Square Centimeter
Detech	Detech, Inc.
DRO	Diesel Range Organics
EPA	Environmental Protection Agency
FSP	Field Sampling Plan
GOCO	Government-Owned/Contractor Operated
GRO	Gasoline Range Organics
GSA	General Services Administration
GTARC	Groundwater Target Concentrations
HASP	Health and Safety Plan
HRS	Hazard Ranking System
HUD	Housing and Urban Development
MCL	Maximum Contaminant Level
MDNR	Missouri Department of Natural Resources
mg/kg	Milligrams per Kilogram
mg/l	Milligrams per Liter
mg/m^3	Milligrams per Cubic Meter
mg/wipe	Milligrams per Wipe
NAD27	1927 North American Datum
OSHA	Occupational Safety and Health Administration
OSWER	Office of Solid Waste and Energy Response
PA	Preliminary Assessment
PA/SI	Combined Preliminary Assessment/Site Inspection
PAH	Polyaromatic Hydrocarbon

LIST OF ACRONYMS AND ABREVIATIONS (Continued)

PCB	Polychlorinated Biphenyl
PEL	Permissible Exposure Limit
PID	Photoionization Detector
PPE	Personal Protective Equipment
PREscore	Preliminary Ranking Evaluation Score
Site	4300 Goodfellow Boulevard, Saint Louis, Saint Louis County, Missouri
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
SAP	Sampling and Analysis Plan
SCS	SCS Engineers
SI	Site Inspection
Site	Saint Louis Federal Center
SLAAP	Saint Louis Army Ammunition Plant
SLOP	Saint Louis Ordnance Plant
STARC	Soil Target Concentrations
STL	Severn Trent Laboratories
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TSCA	Toxic Substance Control Act
$\mu g/cm^2$	Microgram per Square Centimeter
$\mu g/kg$	Microgram per Kilogram
$\mu g/l$	Microgram per Liter
$\mu g/m^2$	Microgram per Square Meter
$\mu g/wipe$	Microgram per Wipe
US	United States
USCS	Unified Soil Classification System
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound
WP	Work Plan

1.0 INTRODUCTION

At the request of the United States (US) General Services Administration (GSA) under Schedule Contract Number GS-10F-037K, SCS Engineers (SCS) initiated the performance of a Preliminary Assessment (PA) and Site Inspection (SI) of the Saint Louis Federal Center (Site) located at 4300 Goodfellow Boulevard, Saint Louis, Saint Louis County, Missouri. The Site was originally constructed in north St. Louis for the manufacture of small caliber ordnance (30 and 50 caliber) by the Department of the Army and was know as the St. Louis Ordnance Plant (SLOP). This Interim Site Inspection (SI) Report has been prepared at the request of GSA and the information summarized within this report is sourced from the PA/SI Report for the entire Site. The purpose of this report was to summarize the findings associated with Buildings 101 and 110 located at the Site.

SCS has conducted several field investigations to complete the PA/SI Report. The following US Environmental Protection Agency (EPA) guidance documents were used to write the PA/SI report:

- *Guidance for performing Preliminary Assessments under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)*, EPA/540/G-91/013, September 1991;
- *Guidance for performing Site Inspections (CERCLA),* EPA/540-R-92-021, Interim Final, September 1992;
- *Improving Site Assessments: Combined PA/SI Assessments,* Office of Solid Waste and Energy Response (OSWER) Directive 9375.2-10FS, October 1999.

1.1 PURPOSE OF INVESTIGATION

The objectives of this Interim SI Report include the following:

- *Characterize and evaluate significant site sources.*
- *Characterize and evaluate significant pathways.*
- *Evaluate releases and targets exposed to contamination.*

The final Work Plan documents (Field Sampling and Analysis Plan, Site Health and Safety Plan, and Quality Assurance Project Plan) were submitted to GSA in August 2002 and updated in March 2003. Field investigation activities were conducted from September 2002 until December 2006. The scope of site activities included the following:

- Initial site visit and subsequent site inspections.
- Soil boring and sample collection.
- Wipe sample collection.
- Collection of Background soil samples.
- Indoor air monitoring.

Background soil samples were collected as part of a Site Specific Background Assessment at St. Vincent Park (approximately two miles west of the Site); the 89th Army Reserve Center (immediately west of Goodfellow Boulevard); Schnucks Plaza (approximately one mile southeast of the Site); and from a vacant lot near the intersection of Clara Avenue and Hebert Street (approximately one-half mile south of the Site). Figure 1-1 shows the Background soil sample locations. Background samples were collected from locations where similar soil types to the SLOP site were present. Table 1 presents the results of background soil sample analysis for benchmark comparison.

For Buildings 101 and 110, laboratory analysis of soil, sediment, and wipe samples included polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH), metals, and explosives. Field screening of ambient air samples was also completed for particulate lead, particulate mercury, and mercury vapor quantification.

Sample locations and analytical results are described for each building. Soil, sediment, and wipe samples were collected and sent to Severn Trent Laboratories (STL) in Chicago, Illinois for laboratory analysis.

The guidelines used in determining significant contamination levels for analytical data of various media are found in the "Missouri Risk-Based Corrective Action Technical Guidance" established by the Missouri Department of Natural Resources (MDNR) in June 2006. Subsurface soil sample analytical results were compared to Table B-4 "Tier 1 Risk Based Target Levels for Residential Land Use-Clayey Soil". Wipe sample and shallow soil/sediment analytical results were compared to Table B-1 "Lowest Default Target Levels All Soil Types All Pathways". For shallow soil/sediment samples, background concentrations were used as additional benchmarks in determining significant levels of onsite.

2.0 SITE DESCRIPTION

According to the January 24, 2002 document titled *Phase I Environmental Site Assessment, Federal Center, 4300 Goodfellow Boulevard, St. Louis, MO 63120*, the Site consists of an irregular shaped parcel approximately 1,400 feet wide on the south side, approximately 2,100 feet wide on the east, approximately 1,700 feet wide on the north, and approximately 2,100 feet wide on the west side covering 63.77 acres. The Site has numerous buildings, and it contains a number of underground rooms, tunnels for service utilities, and a storm water collection system. Currently, the site is owned by GSA.

The Site is located on a portion of the former SLOP near the western boundary of the city limits of Saint Louis, Missouri as shown in Figure 1. The partially inactive facility lies approximately three miles west of the Mississippi River and a quarter mile south of the intersection of Interstate 70 and Goodfellow Boulevard. The Site address is 4300 North Goodfellow Boulevard, Saint Louis, Missouri 63120. The Site is located in Township 46 North, Range 7 East. The latitude and longitude of the southwest corner of the Site is approximately 38 degrees 41 minutes 21.768 seconds North and 90 degrees 16 minutes 11.496 seconds West, respectively.

The site is bordered by the former Saint Louis Army Ammunition Plant (SLAAP) on the north; by Mc Nair Street on the east; by Edelle Avenue on the south; and by Goodfellow Boulevard on the west. Currently, the primary uses of surrounding properties appear to be for commercial and light industrial purposes.

2.1 TOPOGRAPHY

The Site is located on the United States Geological Survey (USGS) 7.5-Minute Series Clayton, Missouri Topographic Quadrangle. The Site location is on a relatively flat terrace with elevation ranges from 545 feet to 590 feet above sea level, 1927 North American Datum (NAD27). From Goodfellow Boulevard, the southern portion of the site slopes south to east. The northern portion of the site slopes northeast to east from Goodfellow Boulevard.

The Site is located on the northern flank of the Ozark Plateau in the Dissected Till Plains Physiographic Province (Miller, 1974). The topography of the Dissected Till Plains Province is gently rolling hills with elevations ranging from 500 to 700 feet above sea level.

2.2 DRAINAGE

Drainage of the site is generally towards the Mississippi River. The river is located on the north and east side of the site. The majority of the ground surface at the Site is covered by asphalt, concrete, buildings, or other impervious materials (80%). The rest of the ground surface is covered with grass and native vegetation. Any surface water that

leaves the site will eventually be collected by combined storm/sanitary sewers and be treated in a wastewater treatment facility before discharging into the Mississippi River.

2.3 CLIMATE

The consistent pattern of climate in Saint Louis County consists of cold winters and long, hot summers (Benham, 1979). The moist air from the Gulf of Mexico interacts with drier continental air in the spring and early summer producing heavy rains. Thunderstorms occur on about 50 days each year, with most occurring in the summer. The prevailing wind is from the south.

Saint Louis, Missouri has an average annual temperature of 58°F with an average morning relative humidity around 80%. Monthly average temperatures range from 31°F in January to 89°F in July. The total annual precipitation is approximately 39 inches. Historically, the lowest average precipitation is received during the month of January (2.2 inches), and the highest average precipitation is received in May (4.2 inches). The average seasonal snowfall is approximately 19 inches.

2.4 SOILS

The soils at the Site are identified as Urban Land-Upland with 0 to 5 percent slopes. The Urban Land designation is given to areas where asphalt and concrete materials cover over 85 percent of the site. The ground surface of the Site is covered by fill dirt, streets, parking lots, buildings, and other structures. These objects obscure and their construction has altered the soils such that the identification of the series in not feasible.

Prior to development the site had a natural grade sloping from west to east. Historical aerial photographs and topographic maps indicate a change in elevation of approximately 40 feet from the west side of the site (near Goodfellow Boulevard) to the east side of the site. During original development of the site, soils were excavated from the western portion of the site and were transported and placed as fill on the eastern portion of the site. This mass grading was completed to allow production buildings and support buildings to be built at the same elevation and to allow rail access to the site.

2.5 BEDROCK

Early Pennsylvanian-age rocks of the Marmaton and Cherokee Groups make up the bedrock beneath the site and are thought to be approximately 100 feet thick (Harrison, 1997). Underlying the Pennsylvanian-age rocks are the Mississippian-age rocks of the St. Genevieve Limestone, followed by the St. Louis Limestone formations.

The St. Louis area has a monocline structure that gently dips to the northeast. The structural attitude of the beds has resulted from compressional, tensional, and uplifting forces, which created a series of faults and fractures evidenced by anticlinal, synclinal, and fault zone structures located in the area (TapanAm, 2001). The Federal Center is

located approximately 1.5 miles east of the Cheltenham Syncline and approximately 2.5 and 5 miles west of the Florissant Dome and the St. Louis Fault Zone, respectively.

Shale was encountered in several borings during direct-push activities at depths ranging from approximately 16 to 26 feet below ground surface (bgs). Borings in which shale was identified (SB-24, SB-25, SB-26 and SB-41) were located on the western portion of the site. Based on this information, it is anticipated that the shale formation slopes from west to east across the site.

2.6 SITE HYDROLOGY

Water has been identified in soil borings and groundwater monitoring wells drilled on other parts of the site as part of the over all PA/SI. Water levels ranged from 6 feet to 26 feet bgs.

Groundwater flow direction was established for this area during a PA/SI completed at a site adjacent to the Federal Center. TapanAm Associates established a groundwater flow direction towards the east and northeast at a site located across Goodfellow Boulevard in a 2001 investigation. The direction was based on potentiometric water level data collected from temporary piezometers.

Groundwater is found primarily in fractures, solution cavities, and along bedding planes of the Mississippian limestone strata that lie beneath the younger Pennsylvanian rocks. Generally, the Pennsylvanian shales of this area are relatively impermeable, and yield very little water. However, the Cherokee Formation is an exception that may contain small amounts of groundwater in the thin sandy shales and sandstone units (Gleason, 1935).

It is expected that groundwater derived from the Cherokee Formation could be encountered at a depth of approximately 80 to 120 feet bgs, in the area of the Federal Center. Additionally, it is likely that one or more perched systems exist, although these systems are expected to be quite thin and very poor producers. Groundwater wells in the St. Louis area (Mississippian rock units) are classified as low producers with an average yield of less than 50 gallon per minute.

2.7 OPERATIONAL HISTORY

In January 1941 construction of the SLOP began and was completed in May 1942. The ordnance plant was the largest small-arms ammunition installation in the world and embodied three operating divisions. The facility, a Government-Owned/Contractor Operated (GOCO) plant, produced small arms ammunition (.30 caliber and .50 caliber) and components for the 105-mm shells. Plant No. 1 was located on the east side of Goodfellow Boulevard. During World War II buildings 102, 103, 104, and 105 of Plant No. 1 were operated for the production of small arms ammunition. Buildings 102 and 103 housed the production of .30 caliber ammunition, while Buildings 104 and 105 housed the production of .50 caliber ammunition.

Building 101 served as the administration building for the SLOP. After facility closure, Building 101 continued to serve in an administrative capacity for several Army operational units. Building 101 recently served as the home to a Charter School for elementary and middle school age children. Building 110 has served several functions. During active plant operations, Building 110 served as the tool and gauge shop, housing equipment to build and maintain the tools and gauges required in cartridge manufacture. In most instances, these facilities would include presses, lathes, grinders, and other metal working equipment as well as providing storage for the tool and gauge shop. Building 110 was subsequently converted to an office building while the original

Steam was generated for heating purposes in the Boiler House (Building 111) and was delivered to buildings across the SLOP site through a series of underground utility tunnels. Natural gas was believed to be the only fuel source used to fire the boiler system. The boiler house was decommissioned and removed from the site in approximately 1970. Currently, the complex is heated with smaller roof-mounted boiler units.

Electrical power enters the site at two primary locations on the north and south sides of the site. High voltage electricity (33 kv) enters complex through primary transformer buildings (Buildings 108A and 108B), where it is distributed to various transformer vaults in the main buildings. Documentation indicates that the primary transformers have been replaced. However, it is believed that the remainder of the electrical distribution system at the site has been largely unchanged.

Cartridge manufacturing ended at Plant No. 1 at the close of World War II. The Department of Defense converted the Site in the 1960's and 1970's to a Federal Office Complex under the management of GSA. The Department of Defense reportedly spent in excess of $50 million dollars in demolition, grading, disposal, and remodeling costs. The manufacturing plant were decommissioned and converted into office and warehouse space. The grounds surrounding the buildings were graded and converted into parking and green space. The powder bunkers were removed during a site redevelopment project in 1980. Paved parking and access roads exist in the areas where the bunkers were located. The Federal Center has been utilized for over 20 years as a Federal Office Center whose primary tenants have included GSA, USDA, and the Department of Defense (Army).

3.0 FIELD ACTIVITIES

During the combined PA/SI, several field investigations were conducted to address the areas of environmental concern. The activities conducted during these field investigations included the collection of:

- Wipe samples.
- Shallow soil and sediment samples.
- Subsurface soil samples.
- Indoor, ambient air samples.

Some sample collection employed intrusive sampling techniques, such as concrete coring and process pipe cutting, to access sample locations. Field sampling activities and laboratory sample analysis were performed in accordance with procedures defined in the Work Plan documents dated August 2002 and March 2003. Sample collection points were based on former activities related to the Site's history as an ordnance facility and current use of the buildings. Analytical methods were determined based on former use and history. The Building 101 sampling strategy was based on a history as an office administration and school building. The Building 110 sampling strategy was based on a history as a tool & gauge building and an office building.

3.1 WIPE SAMPLING

During the combined PA/SI, wipe samples were collected inside buildings for laboratory analysis. Wipe sample locations were selected at random within each defined area. Defined areas were established based on proximity to potential exposure points, changes in surface color or texture, proximity to process areas, and/or spatial considerations. Wipe samples were collected using American Society for Testing & Materials (ASTM), Occupational Safety and Health Administration (OSHA), and U.S. Department of Housing and Urban Development (HUD) protocols. All wipe samples were collected from an area 100 square centimeters (cm^2) using cut gauze pads containing appropriate solvent/preservatives (PCBs-hexane, explosives-acetonitrile, metals-solvent, etc.). Figure 4 illustrates the locations of the wipe samples.

3.1.1 Logging of Sample Parameters

All sample locations were documented in the field log and pictures of the sample locations were taken.

3.1.2 Wipe Sample Collection

Each wipe sample was collected from a predetermined location. Wipe samples were collected from exposed walls, concrete floors, and from exposed steel ceiling girders depending on sample location. All wipe samples were collected by removing the pre-soaked gauze pad from the sample container and wiping an area of approximately 100

cm^2. Upon collection, wipe samples were immediately stored in the same laboratory-supplied jars for analysis. Once capped and sealed, sample containers were placed on ice in a cooler, and held until the end of the day of field investigation. At the end of the day of field investigation, the sample containers were shipped on ice under a proper chain-of-custody via overnight express delivery service to Severn Trent Laboratories (STL) in University Park, Illinois.

3.1.3 Chemical Analysis

Wipe samples were analyzed by STL for pre-selected analyses. Analyses were based on potential contaminants of concern associated with known building processes and historical review.

3.2 SHALLOW SOIL AND SEDIMENT SAMPLING

During the combined PA/SI, shallow soil samples were collected from the basement level or crawl space inside the buildings for laboratory analysis. Shallow soil and sediment sample locations were selected at random within each defined area. Defined areas were established based on proximity to potential hazard exposure, changes in surface color or texture, proximity to process areas, and/or spatial considerations. Some samples were collected at multiple depths to determine the extent of contamination. Depths ranged from near surface to approximately 48-inches bgs.

3.2.1 Logging of Sample Parameters

The materials encountered at each location were classified in the field for each location by an SCS Geologist. The classification procedure included texture descriptions of soils according to the Unified Soil Classification System (USCS). Included in the descriptions are principal and minor soil constituents, moisture content, soil color, plasticity of cohesive soils, gradation of non-cohesive soils, consistency, and other visible features. In addition, unusual odors, discoloration, and other indicators of potential contamination were noted.

3.2.2 Shallow Soil and Sediment Sample Collection

Each shallow soil and sediment sample was collected from a predetermined depth by removing the cover material to expose the sample interval. Soil and sediment samples were collected with stainless steel sampling equipment. Shallow soil and sediment samples were immediately stored in clean, laboratory-supplied jars for analysis. Once capped and sealed, sample containers were placed on ice in a cooler, and held until the end of the day of field investigation. At the end of the day of field investigation, the sample containers were shipped on ice under a proper chain-of-custody via overnight express delivery service to STL in University Park, Illinois.

3.2.3 Chemical Analysis

Shallow soil and sediment samples were analyzed by STL for pre-selected analyses. Analyses were based on potential contaminants of concern associated with known building processes identified through historical review.

3.3 SUBSURFACE SOIL SAMPLING

Subsurface soil samples were collected using direct-push soil probing technology. Direct-push borings were located around buildings and at former building locations across the Site. Probe locations included areas surrounding existing structures, such as main production buildings and electrical substations. Probe locations also included former powder canning and storage buildings and areas with former underground storage tanks (USTs). Figure 3 illustrates the locations of the direct-push soil borings.

Probing was performed by Detech, Inc. (Detech) of Lawrence, Kansas and Below Ground Service, Inc. (BGS) of Lawrence, Kansas. Detech and BGS performed direct-push soil sampling using a truck-mounted Geoprobe® unit equipped with a pneumatic hammer and hollow, two-inch diameter probe rods. At each location, continuous soil cores were collected using a continuous-barrel sampler four feet in length. Soil cores were removed from the sampler using acetate liners. Subsurface soil cores were collected until the target depth (typically twenty feet bgs) or refusal. When the acetate liners were removed from the continuous-barrel sampler, a handheld photoionization detector (PID) was used to screen vapors for volatile organic compounds (VOCs) in the headspace above the soil core. No groundwater samples were collected.

3.3.1 Logging of Subsurface Materials

The materials encountered in the borings were classified in the field for each boring by an SCS Geologist. The classification procedure included texture descriptions of soils according to the USCS. Included in the descriptions are principal and minor soil constituents, moisture content, soil color, plasticity of cohesive soils, gradation of non-cohesive soils, consistency, and other visible features. In addition, unusual odors, discoloration, and other indicators of potential contamination were noted.

3.3.2 Subsurface Soil Sample Collection

Discrete soil samples were extracted directly from the acetate liner and continuous-barrel sampler using a clean, decontaminated stainless steel utensil. Upon extraction from the acetate liners, soil samples were immediately stored in clean, laboratory-supplied jars for analysis. Once capped and sealed, sample containers were placed on ice in a cooler, and held until the end of the day of field investigation. At the end of the day of field investigation, the sample containers were shipped on ice under a proper chain-of-custody via overnight express delivery service to STL in University Park, Illinois

Most soil samples recovered across the Site were of sufficient volume that individual samples were submitted from each location. However direct-push soil sampling recovered insufficient quantities of material suitable for laboratory testing at several locations. Consequently, proportionate sample material from related borings was combined into a single composite sample at these locations.

3.3.3 Chemical Analysis

Subsurface soil samples were analyzed by STL for pre-selected analyses. Analyses were based on potential contaminants of concern associated with known building processes and identified through historical review.

3.4 AIR MONITORING

Air monitoring was performed by NPN Environmental (NPN) of Saint Louis, Missouri. Passive vapor ambient air samples, personnel samples, and ambient air monitoring samples were collected from inside several buildings across the site on September 4, 2003. Samples were collected within the crawl space level, on the main floor, and on the second floor of various buildings. Mercury vapor concentrations were not identified above the instrument detection limit in any of the sampling areas within buildings. In addition, SCS Engineers utilized a HG253 portable mercury vapor analyzer manufactured by Genesis Laboratory Systems to collect and analyze ambient air within Buildings 101.

4.0 BUILDING 101 INVESTIGATION RESULTS

4.1 SUBSURFACE SOIL SAMPLING

In September 2002, four soil borings were advanced at locations near Building 101. Boring 101-1, 101-2, and 101-3 were placed along the eastern side of Building 101 and boring 104-4 was placed along the western side.

4.1.1 Logging of Subsurface Materials

Soil cores from borings 101-1, 101-2, 101-3, and 101-4 registered readings below the detection limits of the PID. No groundwater was encountered during the probing effort around Building 101.

4.1.2 Chemical Analysis

Pre-selected analyses for the samples collected around Building 101 included PCBs by Method 8082, explosives by Method 8330, mercury by Method 7471A, and metals by Method 6010B. Table 2 presents a summary of analytical results from the soil samples collected around Building 101.

No PCBs were detected above laboratory quantitative limits in the soil samples collected near Building 101.

No explosives were detected above laboratory quantitative limits in the soil samples collected near Building 101.

All reported concentrations of mercury and metal analytes were below the Default Target Levels (DTL) or below laboratory quantitative limits in the soil samples collected except arsenic. Arsenic was detected at levels ranging from 8.5 to 10 mg/kg in all borings. The DTL for arsenic is 3.89 mg/kg. Background levels identified during this investigation ranged from 5.3 to 9.2 mg/kg. Arsenic concentrations detected in soil borings 101-1 – 101-4 appear to fall within site specific background levels.

4.2 AIR MONITORING

SCS Engineers utilized a HG253 portable mercury vapor analyzer manufactured by Genesis Laboratory Systems to collect and analyze ambient air within Buildings 101. Mercury vapor was not detected within Building 101.

4.3 BUILDING 101 SUMMARY

The following presents a summary based on the analytical results from the subsurface soil samples collected adjacent to Building 101:

- No PCBs were detected above laboratory quantitative limits in the subsurface soil samples collected near Building 101.

- No explosives were detected above laboratory quantitative limits in the subsurface soil samples collected near Building 101.

- Arsenic concentrations exceeded the DTL of 3.89 mg/kg in all of the subsurface soil samples collected from boring locations 101-1, 101-2, 101-3, and 101-4. The reported concentration of arsenic ranged from 8.5 mg/kg to 10 mg/kg. Analytical results from a Background Assessment performed in the area reported arsenic background concentrations of 5.3 to 9.2 mg/kg. Arsenic concentrations identified in the soil samples collected around Building 101 are consistent with backgrounds levels in the area.

- All reported concentrations of the remaining metal analytes were below the DTL or below laboratory quantitative limits in all soil samples.

5.0 BUILDING 110 INVESTIGATION RESULTS

5.1 WIPE SAMPLING

In December 2003, four wipe samples were collected in Building 110 for laboratory analysis. The wipe sample analysis included PCBs by Method 8082 and metals by Method 6010B. Table 4 presents a summary of analytical results from the collected wipe samples within Building 110.

The EPA and MDNR have not established maximum contaminant levels (MCLs) for compounds detected by wipe sampling. The MDNR Risk Based Guidance Manual has established target levels for PCBs and lead based on guidelines defined within the federal TSCA regulations and by HUD. Representatives from the MDNR suggest using the DTL established in the Risk Based Guidance as a benchmark standard for comparison. DTL apply to sites where no land-use restriction covenants are to be used and are the most restrictive in terms of cleanup goals.

5.1.1 WIPE SAMPLE COLLECTION

Each wipe sample was collected from a predetermined location. Wipe samples were collected from exposed walls, concrete floors, and from exposed steel ceiling girders depending on sample location. Sample locations in Building 110 were focused in the areas of oil storage, loading dock, and forge room.

5.1.2 Chemical Analysis

No PCBs were detected above laboratory quantitative limits in any of the wipe samples.

All reported concentrations of metals were below the lowest DTL established by MDNR.

5.2 SHALLOW SOIL SAMPLING

In April 2004, two shallow soil samples were collected from the basement level or crawl space inside Building 110. One soil boring was advanced beneath the basement room identified as "Tank Room". The room contains concrete saddles for two above ground tanks. It is unknown whether the tanks contained diesel fuel to supply backup generators or contained oils for tool making. The room has a mild petroleum odor evident when first entering. Pre-selected analyses for samples collected from the shallow soil boring inside Building 110 included TPH by Method 8015B DRO and TPH by Method 8015B GRO.

5.2.1 Shallow Soil Sample Collection

The shallow soil boring was advanced to a depth of 24" into the native soil below the floor slab. Soil samples were colleted from immediately below the floor slab and from the 18" – 24" depth.

5.2.2 Chemical Analysis

All reported concentrations of TPH-DRO and TPH-GRO were below laboratory quantitative limits in the two shallow soil samples. Table 3 presents a summary of analytical results from the shallow soil samples within Building 110.

5.3 SUBSURFACE SOIL SAMPLING

In December 2003, three soil borings were advanced at locations around the southwest corner of Building 110. Borings SB27, SB36, and SB41 were placed near the oil tank room and the assumed oil fill pipe of Building 110. Borings SB27 and SB36 were advanced to their target depths of twenty feet bgs. Boring SB41 encountered probe refusal at a depth of 26 feet bgs.

5.3.1 Logging of Subsurface Materials

In general, the materials encountered at boring locations SB27, SB36, and SB41 consisted of a dry to moist clay. A slight odor was noted in boring SB41 between approximately 15 to 17 feet bgs. In addition, boring SB41 encountered top of rock (shale) at approximately 23.5 feet bgs. Soil cores from all three probe locations around Building 110 registered readings below the detection limits of the PID. No groundwater was encountered during the probing effort around Building 110.

5.3.2 Chemical Analysis

Pre-selected analyses for samples collected around Building 110 included PCBs by Method 8082, TPH by Method 8015B DRO, TPH by Method 8015B GRO, mercury by Method 7471A, and metals by Method 6010B. Table 2 presents a summary of analytical results from the soil samples collected around Building 110.

No PCBs were detected above laboratory quantitative limits in any of the soil samples collected around Building 110.

TPH-DRO was detected in two of the three subsurface soils samples at reported concentrations below the DTL of 125,000 mg/kg. Detections of DRO around Building 110 were 3.2 and 26 mg/kg in borings SB36 and SB41, respectively.

Only one sample was collected and analyzed for TPH-GRO (SB41), and GRO was detected at reported concentrations below the DTL of 346 mg/kg. The reported GRO concentration in boring SB41 was 13 mg/kg.

Mercury was detected above laboratory quantitative limits in all of the subsurface soil samples, but the reported concentrations were below the DTL of 2.19 mg/kg. Reported mercury concentrations ranged between 0.025 to 0.048 mg/kg.

Arsenic was detected above the DTL of 3.89 mg/kg in two of the three subsurface soil samples. Reported concentrations were 3.2, 4.9, and 8.4 mg/kg for borings SB27, SB36, and SB41.

Beryllium was detected above the DTL of 0.737 mg/kg in two of the three subsurface soil samples. Reported concentrations were 0.59, 0.83, and 0.93 mg/kg for borings SB27, SB36, and SB41.

5.4 BUILDING 110 SUMMARY

The following presents a summary based on the subsurface soil samples collected near Buildings 110:

- No PCBs were detected above laboratory quantitative limits in any of samples collected from Building 110.

- TPH-DRO and TPH-GRO concentrations were detected below the DTL of 125,000 mg/kg and 346 mg/kg for TPH-DRO and TPH-GRO, respectively.

- Arsenic concentrations exceeded the DTL of 3.89 mg/kg in subsurface soil samples collected from boring locations SB27, SB36, and SB41. Reported concentrations ranged between 3.2 to 8.4 mg/kg in the subsurface soil samples analyzed for arsenic. Analytical results from a Background Assessment performed in the area reported arsenic background concentrations of 5.3 to 9.2 mg/kg. The arsenic results for the subsurface soil samples collected from around Building 110 would appear to be within background levels for the area.

- Beryllium concentrations exceeded the DTL of 0.737 mg/kg in subsurface soil samples collected from boring locations SB27, SB36, and SB41. Reported concentrations ranged between 0.59 to 0.93 mg/kg in the subsurface soil samples analyzed for beryllium. Analytical results from a Background Assessment performed in the area reported beryllium background concentration of at least 0.12 to 0.27 mg/kg; however beryllium concentrations of up to 40 mg/kg are not uncommon in the State of Missouri.

- All reported concentrations of the remaining metal analytes and mercury were below the Lowest Default Target Levels or below laboratory quantitative limits in the subsurface soil samples collected from borings SB27, SB36, and SB41.

6.0 CONCLUSIONS

- Analytical results of the limited sampling performed to date by SCS associated with Buildings 100 and 110 would indicate that there are no environmental concerns regarding the occupancy of the respective buildings. Further sampling may be necessary after regulatory review of the PA/SI Report for the entire site.

7.0 REFERENCES

Miller, D.E., et al., 1974. Missouri Geological Survey and Water Resources. *Water Resources of the St. Louis Area, Missouri.* WR 30.

US Geological Survey, 1954. Clayton Quadrangle Missouri, 7.5-Minute Series [Topographic] Map, photo revised 1974.

Benham, K.E., 1979. *Soil Survey of St. Louis County and St. Louis, Missouri: United States Department of Agriculture, Soil Conservation Service.*

Historical Weather for Saint Louis, Missouri, United States of America obtained from http://www.weatherbase.com/weather.

Historical Weather for Saint Louis, Missouri, United States of America obtained from http://www.crh.noaa.gov/lsx.

US Department of Agriculture, 1979. *Soil Survey of St. Louis County and St. Louis City, Missouri, Soil Conservation Service.*

Archives Search Report St. Louis Ordnance Plant and St. Louis Ordnance Core Plant dated December, 1993 prepared by Defense Environmental Restoration Program for Formerly Used Defense Sites.

Preliminary Assessment/Site Inspection Report Former St. Louis Ordnance Plant dated June, 2001 prepared by TapanAm Associates, Inc.

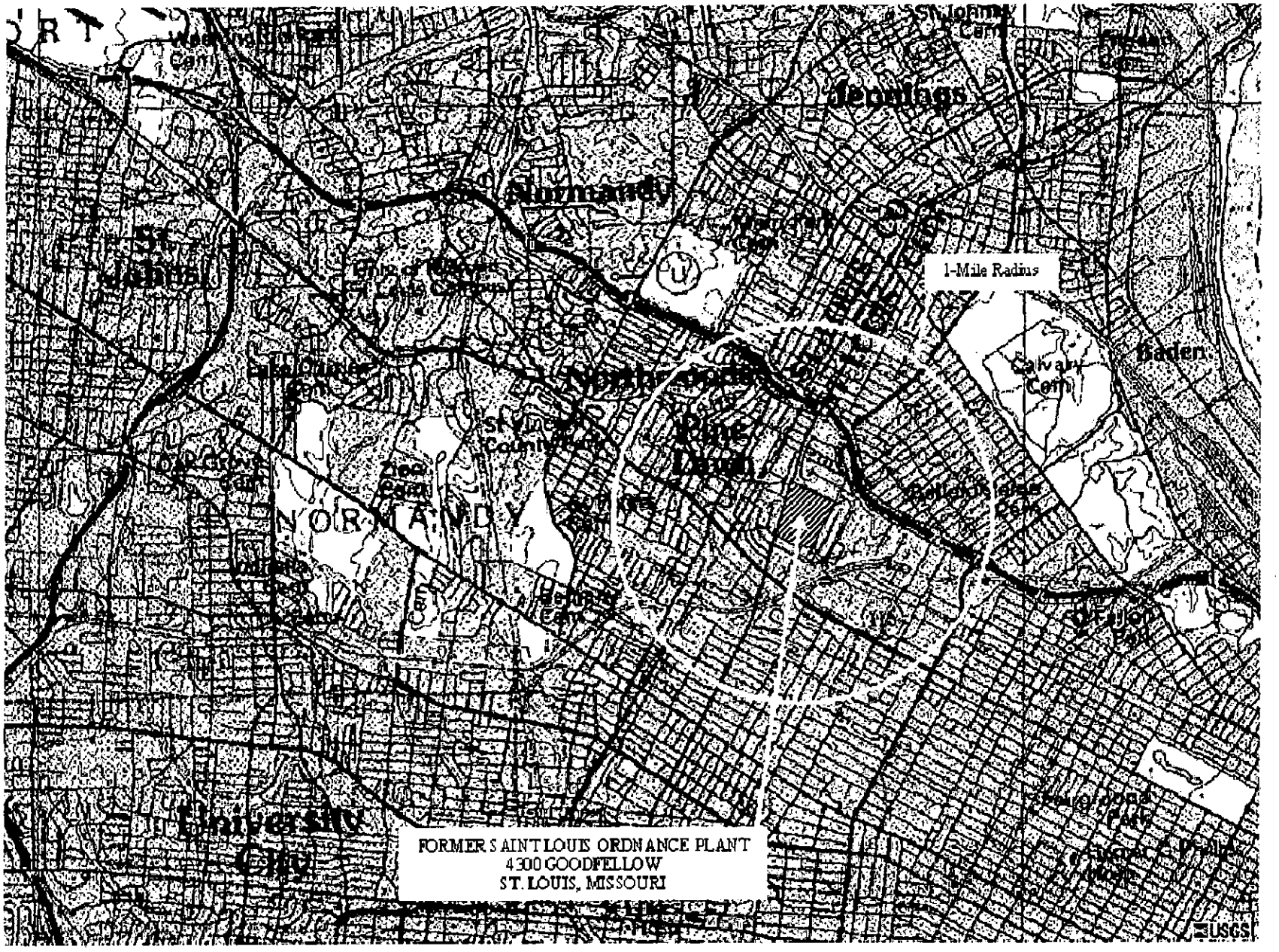
St. Louis Ordnance Plant Site Operational History Report dated April 28, 2003 prepared by Dynamac Corporation.

Missouri Department of Natural Resources Risk-Based Corrective Action Guidance Document dated June, 2006 prepared by the MDNR Division of Air and Land Protection Hazardous Waste Program.

EPA REGISTER 40 CFR, Chapter 1, Part 216.24 *"Identification and Listing of Hazardous Waste."*

APPENDIX A

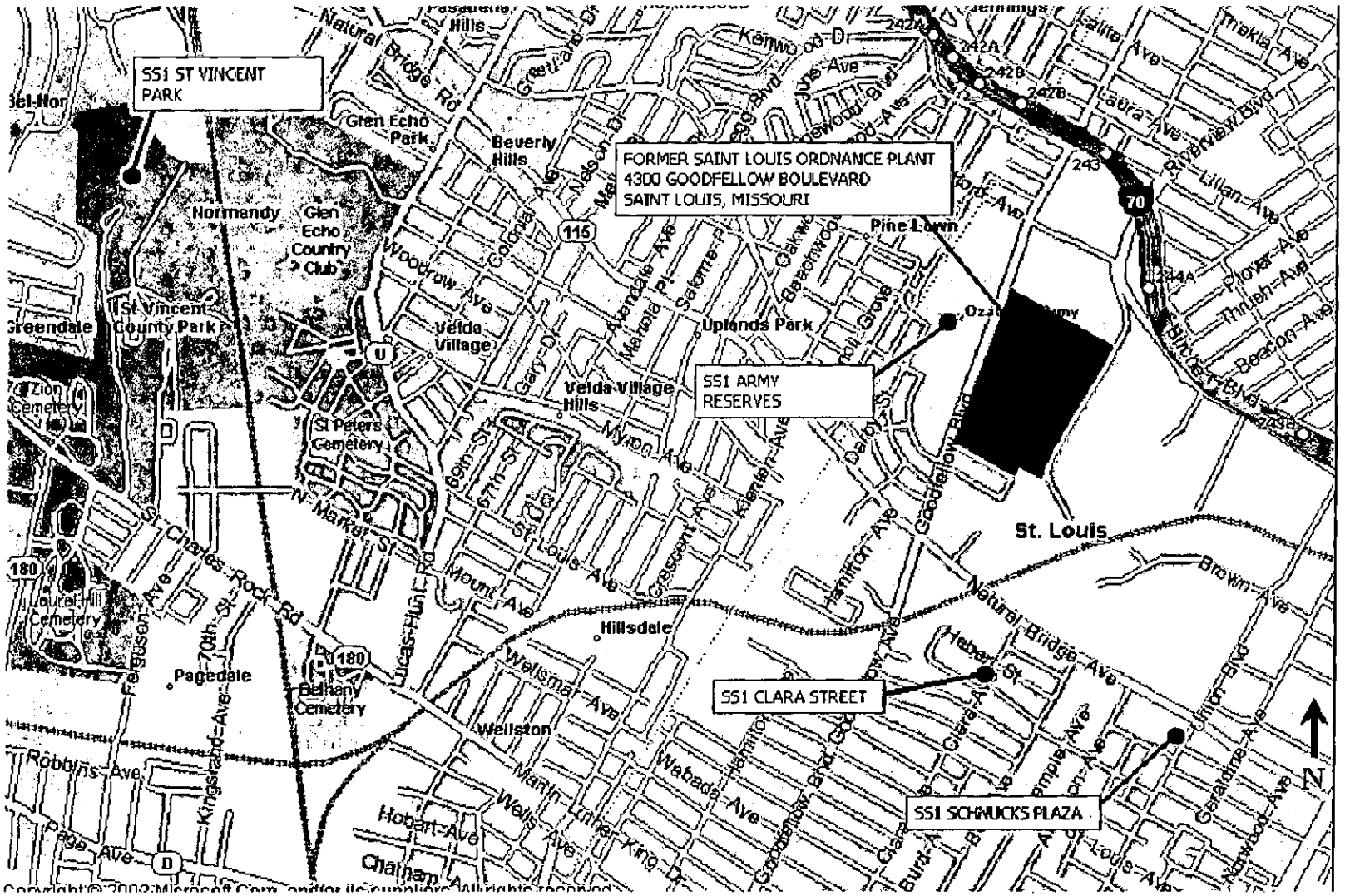
FIGURES



SCS ENGINEERS

C:\DWGS\ES\02\200070.56-ST LOUIS SLOP REPORT\DWG\200070.56-FIG 1

FIGURE 1
SITE VICINITY MAP



SCS ENGINEERS

FIGURE 2
SITE LOCATION MAP

GOODFELLOW BLVD

GATE 1

GUARD HOUSE

GATE 2

GUARD HOUSE

101-4

BLDG 101
ADMINISTRATION

101-1

101-2

101-3

1ST ST

BLDGS 102F, 102G, 102H

POWDER STORAGE

BLDG 102D
LOADING

C

2ND

BLDG
136A

SB27

SB41

SB36

BLDGS 103F, 103G, 103H

POWDER STORAGE

BLDG 103D
LOADING

EDELLE AVE

GRUEBEL

BLDG 110
TOOL & GARAGE

HILL ST.

BLDG
137A

3RD ST

BLDG 111
BOILER

LEGEND

FENCE

FIRE HYDRANT FH

NO PARKING

SMOKING SHELTER

FORMER BUILDING LOCATION

COMPLETED SOIL BORING LOCATION SB38

N

100 0 100 200

SCALE IN FEET

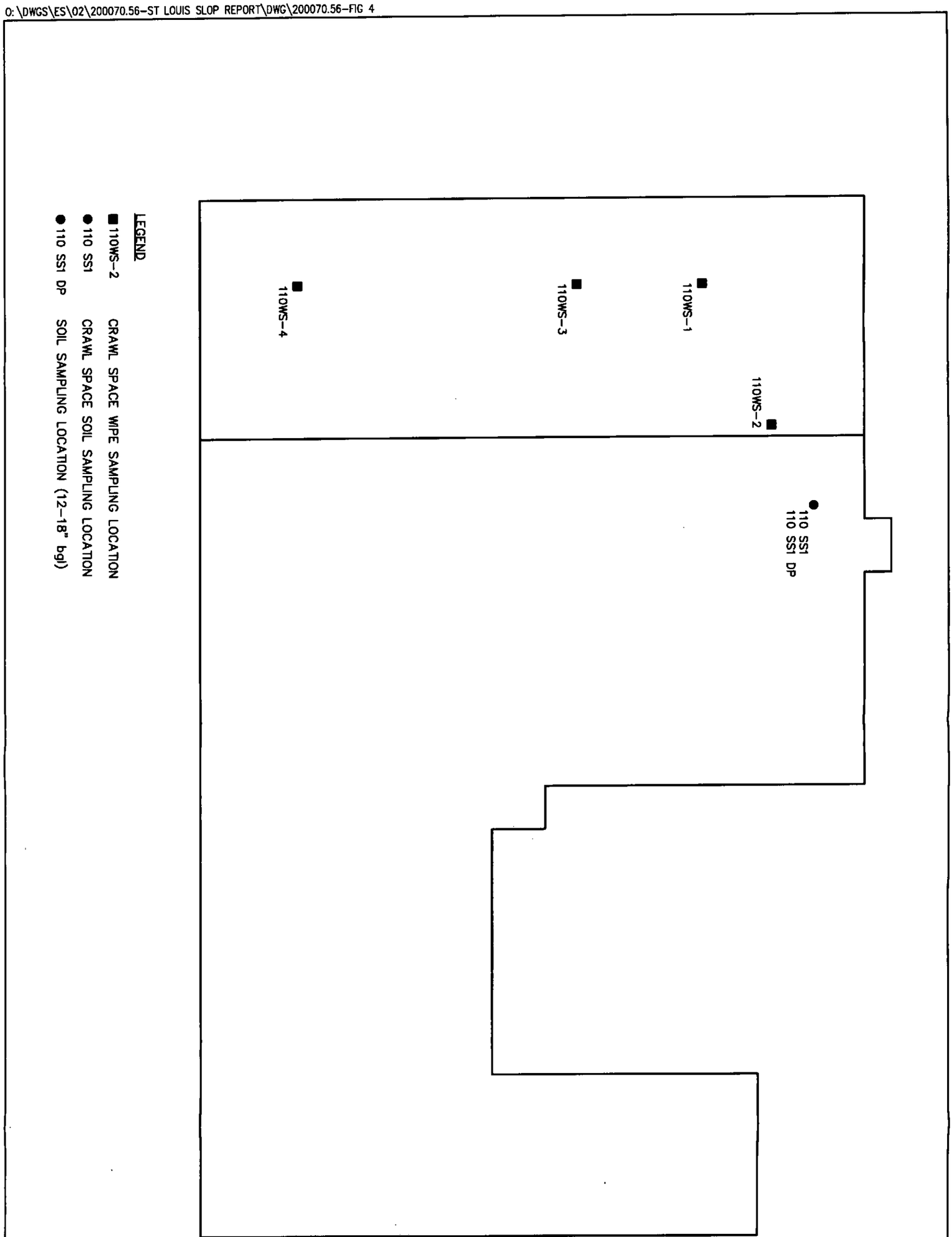
FIGURE 3
SOIL BORING LOCATION PLAN

PA/SI REPORT
ST. LOUIS FEDERAL CENTER
4300 GOODFELLOW BLVD. ST. LOUIS, MISSOURI
PROJECT NO. 02200070.56 DECEMBER 2006

SCS ENGINEERS
DSN. BY J. DOMUNG CHK. BY D. BREWER
DWN. BY R. PHILLIPS REV:

O:\DWGS\ES\02\200070.56-ST LOUIS SLOP REPORT\DWG\200070.56-FIG 3

O:\DWGS\ES\02\200070.56-ST LOUIS SLOP REPORT\DWG\200070.56-FIG 4



SCS ENGINEERS DSN. BY J. DOMLING CHK. BY D. BREWER DWN. BY R. PHILLIPS REV:	BUILDING 110 ST. LOUIS ORDNANCE PLANT 4300 GOODFELLOW BLVD. ST. LOUIS, MISSOURI PROJECT NO. 02200070.56 DECEMBER 2006	FIGURE 4 SOIL AND WIPE SAMPLE LOCATIONS

APPENDIX B

SUMMARY OF LABORATORY ANALYTICAL RESULTS:

Table 1: Background Soil Samples
Table 2: Subsurface Soil Samples
Table 3: Shallow Soil Samples
Table 4: Wipe Samples

TABLE 1 - RESULTS OF BACKGROUND SOIL SAMPLE ANALYSIS

FORMER SAINT LOUIS ORDNANCE PLANT
4300 GOODFELLOW - BACKGROUND SOIL SAMPLES
SAINT LOUIS, MISSOURI
U.S. GENERAL SERVICES ADMINISTRAITON

SAMPLE NUMBER:		SS1 ST. VINCENT PARK		SS1 ARMY-RESERVES		SS1 SCHNUCKS PLAZA		SS1 CLARA STREET		BACKGROUND RESULT STATISTICS			BACKGROUND 3X RESULT STATISTICS			RISK BASED TARGET LEVELS
SAMPLE DATE:		12/4/2004		12/4/2004		12/4/2004		12/4/2004								
LAB ID NUMBER:		222879-1		222879-2		222879-3		222879-4								
		RESULT	3X RESULT	RESULT	3X RESULT	RESULT	3X RESULT	RESULT	3X RESULT	MIN	MEAN	MAX	MIN	MEAN	MAX	
PARAMETER	UNITS															mg/kg
MERCURY (7471A)																
Mercury	mg/kg	0.031	*0.093*	0.047	*0.14*	0.042	*0.126*	0.084	*0.25*	0.031	0.051	0.084	*0.093*	*0.15*	*0.25*	46.3
METALS (6010B)																
Aluminum	mg/kg	5700	*17000*	10000	*30000*	11000	*33000*	9100	*27000*	5700	8900	11000	*17000*	*27000*	*33000*	75,500
Arsenic	mg/kg	*5.3*	*16*	*7.2*	*22*	*9.2*	*28*	*7.3*	*22*	*5.3*	*7.2*	*9.2*	*16*	*22*	*28*	3.89
Barium	mg/kg	130	*390*	130	*390*	130	*390*	230	*690*	130	150	230	*390*	*460*	*690*	15,000
Beryllium	mg/kg	0.12	*0.36*	0.27	*0.81*	0.26	*0.78*	0.26	*0.78*	0.12	0.23	0.27	*0.36*	*0.68*	*0.81*	0.737
Cadmium	mg/kg	0.32	*0.96*	0.47	*1.4*	0.17	*0.51*	0.62	*1.9*	0.17	0.39	0.62	*0.51*	*1.2*	*1.9*	16.8
Calcium	mg/kg	1900	*5700*	4700	*14000*	20000	*60000*	4100	*12000*	1900	7700	20000	*5700*	*23000*	*60000*	NT
Chromium	mg/kg	9.8	*29*	17	*51*	16	*48*	14	*42*	9.8	14	17	*29*	*42*	*51*	74,699
Cobalt	mg/kg	6.5	*19*	8.1	*24*	5.0	*15*	11	*33*	5.0	7.6	11.0	*15*	*23*	*33*	NT
Copper	mg/kg	12	*36*	19	*57*	16	*48*	26	*78*	12	18	26	*36*	*55*	*78*	3,040
Iron	mg/kg	10000	*30000*	18000	*54000*	19000	*57000*	17000	*51000*	10000	16000	19000	*30000*	*48000*	*57000*	NT
Lead	mg/kg	30	*90*	64	*190*	18	*54*	88	*260*	18	50	88	*54*	*150*	*260*	260
Magnesium	mg/kg	1200	*3600*	2700	*8100*	3600	*11000*	2000	*6000*	1200	2400	3600	*3600*	*7200*	*11000*	NT
Manganese	mg/kg	730	*2200*	600	*1800*	410	*1200*	1900	*5700*	410	910	1900	*1200*	*2700*	*5700*	9,680
Nickel	mg/kg	10	*30*	18	*54*	17	*51*	19	*57*	10	16	19	*30*	*48*	*57*	1,510
Potassium	mg/kg	1200	*3600*	1500	*4500*	1500	*4500*	1500	*4500*	1200	1400	1500	*3600*	*4300*	*4500*	NT
Selenium	mg/kg	0.64	*1.9*	0.89	*2.7*	0.74	*2.2*	0.92	*2.8*	0.64	0.80	0.92	*1.9*	*2.4*	*2.8*	380
Thallium	mg/kg	1.3	*3.9*	1.0	*3.0*	0.96	*2.9*	3.0	*9.0*	0.96	1.6	3.0	*2.9*	*4.7*	*9.0*	6.09
Vanadium	mg/kg	18	*54*	28	*84*	28	*84*	25	*75*	18	25	28	*54*	*74*	*84*	530
Zinc	mg/kg	53	*160*	80	*240*	48	*140*	140	*420*	48	80	140	*140*	*240*	*420*	22,800

mg/kg = milligrams per kilogram
NT = No Target Concentration

TABLE 2 - RESULTS OF SAMPLING ANALYSIS FOR SOIL BORINGS

SAMPLE NUMBER SAMPLE DATE LAB ID NUMBER		101-1 9/10/2002 211927-6	101-2 9/10/2002 211927-7	101-3 9/10/2002 211927-8	101-4 9/10/2002 211927-9	SB27 12/17/2003 223218-10	SB36 12/17/2003 223218-19	SB41 12/19/2003 223259-1	DEFAULT TARGET LEVELS	RISK BASED TARGET LEVELS
PARAMETER	UNITS								mg/kg *	mg/kg **
PCBs (8082)										
Aroclor 1016	ug/kg	ND	ND	NA	NA	ND	ND	ND	3.86	3.89
Aroclor 1221	ug/kg	ND	ND	NA	NA	ND	ND	ND	0.0975	1.02
Aroclor 1232	ug/kg	ND	ND	NA	NA	ND	ND	ND	NA	NA
Aroclor 1242	ug/kg	ND	ND	NA	NA	ND	ND	ND	0.0557	1.05
Aroclor 1248	ug/kg	ND	ND	NA	NA	ND	ND	ND	1.08	1.1
Aroclor 1254	ug/kg	ND	ND	NA	NA	ND	ND	ND	1.1	1.11
Aroclor 1260	ug/kg	ND	ND	NA	NA	ND	ND	ND	1.11	1.12
EXPLOSIVES (8330)										
HMX	ug/kg	ND	ND	NA	NA	NA	NA	NA	5.34	3,050
RDX	ug/kg	ND	ND	NA	NA	NA	NA	NA	0.065	42.4
1,3,5-Trinitrobenzene	ug/kg	ND	ND	NA	NA	NA	NA	NA	1.59	1,830
1,3-Dinitrobenzene	ug/kg	ND	ND	NA	NA	NA	NA	NA	0.0262	5.64
Nitrobenzene	ug/kg	ND	ND	NA	NA	NA	NA	NA	0.0198	34.7
2,4,6-TNT	ug/kg	ND	ND	NA	NA	NA	NA	NA	0.36	30.6
Tetryl	ug/kg	ND	ND	NA	NA	NA	NA	NA	NT	NT
2,4-Dinitrotolulene	ug/kg	ND	ND	NA	NA	NA	NA	NA	0.0325	15
2,6-Dinitrotoluene	ug/kg	ND	ND	NA	NA	NA	NA	NA	0.0112	6.85
2-Amino-4,6-Dinitrotoluene	ug/kg	ND	ND	NA	NA	NA	NA	NA	0.205	8.85
4-Amino-2,6-Dinitrotoluene	ug/kg	ND	ND	NA	NA	NA	NA	NA	0.137	8.56
2-Nitrotoluene	ug/kg	ND	ND	NA	NA	NA	NA	NA	0.0135	26.3
4-Nitrotoluene	ug/kg	ND	ND	NA	NA	NA	NA	NA	0.182	356
3-Nitrotoluene	ug/kg	ND	ND	NA	NA	NA	NA	NA	1.44	1,370
MERCURY (7471A)										
Mercury	mg/kg	0.053	0.038	0.038	0.089	0.038	0.048	0.025	2.19	46.3
METALS (6010B)										
Aluminum	mg/kg	13000	13000	9900	12000	13000	12000	11000	75,500	75,500
Antimony	mg/kg	ND	ND	ND	ND	ND	ND	ND	6.66	30.4
Arsenic	mg/kg	**9.1**	**8.5**	**10**	**8.5**	3.2	**4.9**	**8.4**	3.89	3.89
Barium	mg/kg	150	140	130	160	87	60	150	2,040	15,000
Beryllium	mg/kg	**0.43**	**0.44**	**0.51**	**0.44**	**0.59**	**0.84**	**0.93**	0.737	0.737

TABLE 2 - RESULTS OF SAMPLING ANALYSIS FOR SOIL BORINGS (Continued)

SAMPLE NUMBER SAMPLE DATE LAB ID NUMBER		101-1 9/10/2002 211927-6	101-2 9/10/2002 211927-7	101-3 9/10/2002 211927-8	101-4 9/10/2002 211927-9	SB27 12/17/2003 223218-10	SB36 12/17/2003 223218-19	SB41 12/19/2003 223259-1	DEFAULT TARGET LEVELS	RISK BASED TARGET LEVELS
PARAMETER	UNITS								mg/kg *	mg/kg **
Cadmium	mg/kg	0.19	0.2	0.33	0.47	ND	ND	ND	9.31	16.8
Calcium	mg/kg	3200	4800	11000	4000	2400	1800	8000	NT	NT
Chromium	mg/kg	18	19	21	24	18	17	21	74,699	74,699
Cobalt	mg/kg	9.2	8.3	6.9	7.6	5.1	4.7	11	NT	NT
Copper	mg/kg	18	17	16	22	8.7	9.7	14	617	3,040
Iron	mg/kg	18000	18000	17000	18000	13000	16000	20000	NT	NT
Lead	mg/kg	31	25	25	68	8.8	9.7	18	3.74	260
Magnesium	mg/kg	2600	2900	4200	2400	1700	1600	2200	NT	NT
Manganese	mg/kg	800	750	530	600	140	170	610	2,720	9,680
Nickel	mg/kg	19	19	15	18	9.1	10	17	505	1,510
Potassium	mg/kg	1400	1300	1100	1600	480	480	590	NT	NT
Selenium	mg/kg	ND	ND	ND	ND	ND	ND	ND	6.27	380
Silver	mg/kg	ND	ND	ND	ND	ND	ND	ND	16	374
Sodium	mg/kg	230	840	630	200	290	340	120	NT	NT
Thallium	mg/kg	ND	ND	ND	ND	ND	ND	ND	2.2	6.09
Vanadium	mg/kg	32	31	35	31	24	31	39	530	530
Zinc	mg/kg	64	56	54	87	20	23	36	7,220	22,800
TPH (8105B DRO) Diesel Range Organics	mg/kg	NA	NA	NA	NA	ND	3.2	26	125,000	140,000
TPH (8105B GRO) Gasoline Range Organics	mg/kg	NA	NA	NA	NA	NA	NA	13	346	1,200

ND = Not Detected

NA = Not Applicable (Not Sampled)

NT = No Target Concentration

* = Target Concentration based on MDNR Risk Based Lowest Default Target Levels

** = Target Concentration Based on MDNR Risk Based Levels for Non-Residential Standards

TABLE 3 - RESULTS OF SOIL SAMPLING ANALYSIS

SAINT LOUIS ORDINANCE PLANT
4300 GOODFELLOW - BUILDING 110
ST. LOUIS, MISSOURI
U.S. GENERAL SERVICES ADMINISTRAITON

SAMPLE NUMBER SAMPLE DATE LAB ID NUMBER		110 SS-1 4/6/2004 225741-1	110 SS-1 DP 4/6/2004 225738-18	LOWEST DEFAULT TARGET CONCENTRATIONS SOIL
PARAMETER	UNITS			mg/kg
TPH (8015B)				
Diesel Range Organics	mg/kg	ND	ND	125,000.00
Gasoline Range Organics	ug/kg	ND	ND	346.00

ND = Not Detected
mg/kg = milligrams/kilograms
ug/kg = micrograms/kilograms

TABLE 4 - RESULTS OF WIPE SAMPLING ANALYSIS FOR BUILDING 110

SAMPLE NUMBER SAMPLE DATE LAB ID NUMBER		110WS-1 12/18/2003 223220-6	110WS-2 12/18/2003 223220-7	110WS-3 12/18/2003 223220-8	110WS-4 12/18/2003 223220-9	WIPE TARGET CONCENTRATION
PARAMETER	UNITS					
PCBs (8082)	ug/Wipe					
Aroclor 1016	ug/Wipe	ND	ND	ND	ND	10 ug/CM^2 *
Aroclor 1221	ug/Wipe	ND	ND	ND	ND	10 ug/CM^2
Aroclor 1232	ug/Wipe	ND	ND	ND	ND	10 ug/CM^2
Aroclor 1242	ug/Wipe	ND	ND	ND	ND	10 ug/CM^2
Aroclor 1248	ug/Wipe	ND	ND	ND	ND	10 ug/CM^2
Aroclor 1254	ug/Wipe	ND	ND	ND	ND	10 ug/CM^2
Aroclor 1260	ug/Wipe	ND	ND	ND	ND	10 ug/CM^2
METALS (6010B)						mg/kg **
Aluminum	mg/Wipe	0.59	5.6	0.33	0.23	75,500.00
Antimony	mg/Wipe	0.0024	ND	0.003	ND	6.66
Arsenic	mg/Wipe	0.0012	0.0052	0.0031	ND	3.89
Barium	mg/Wipe	0.24	0.31	0.014	0.012	2,040.00
Beryllium	mg/Wipe	ND	0.0005	ND	ND	0.74
Cadmium	mg/Wipe	0.0002	0.0057	0.0006	ND	9.31
Calcium	mg/Wipe	9.3	29	5.4	2.7	NT
Chromium	mg/Wipe	0.012	0.026	0.0043	0.002	74,600.00
Cobalt	mg/Wipe	0.0009	0.0054	0.0028	0.0006	NT
Copper	mg/Wipe	0.0026	0.053	0.012	0.0035	617.00
Iron	mg/Wipe	6.1	11	0.98	0.37	NT
Lead	ug/ft^2	12.92	48.44	18.3	5.06	200 ug/ft^2 ***
Magnesium	mg/Wipe	0.4	2.5	0.33	0.19	NT
Manganese	mg/Wipe	0.038	0.2	0.018	0.0074	2,720.00
Nickel	mg/Wipe	0.0037	0.013	0.0034	ND	505.00
Potassium	mg/Wipe	0.19	2.1	0.47	0.12	NT
Selenium	mg/Wipe	ND	ND	ND	ND	6.27
Silver	mg/Wipe	ND	ND	ND	ND	16.20
Sodium	mg/Wipe	0.55	1.2	1.3	0.51	NT
Thallium	mg/Wipe	ND	ND	ND	ND	2.20
Vanadium	mg/Wipe	0.0018	0.018	0.0008	0.0006	530.00
Zinc	mg/Wipe	0.11	0.88	0.14	0.028	7,220.00

ug/Wipe = micrograms per wipe

mg/Wipe = milligrams per wipe

NT = No Target Concentration

* = Target Concentration based on Federal TSCA Regulations

** = Target Concentration based on MDNR Risk Based Lowest Default Target Levels

*** = Target Concentration Based on MDNR Risk Based Levels for Non-Residential Standards

APPENDIX C

LABORATORY ANALYTICAL REPORTS

SEVERN TRENT SERVICES

STL Chicago

SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 211927

Prepared For:

SCS Engineers, Inc.
10401 Holmes Road
Suite 400
Kansas City, MO 64131

Project: GSA - SLOP - Investigation

Attention: David Brewer

Date: 09/26/2002

(b) (6)

Signature

Name: Richard C. Wright

Title: Project Manager

E-Mail: rwright@stl-inc.com

9/26/02

Date

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

STL Chicago is part of Severn Trent Laboratories, Inc.

STL Chicago is a part of Severn Trent Laboratories, Inc.

STL Chicago
Wet Chemistry Case Narrative

Client: SCS Engineers, Inc.
Job #: **211927** Date Rec'd: 09/11/02

1. This narrative covers the analysis of the samples in the above Job # for cyanide and phosphorus by the methods cited on the Laboratory Test Results pages.

2. Refer to the Laboratory Chronicle Page for dates of sampling, receipt, and analysis.

3. The calibration curves and the initial and continuing verification standards and blanks met acceptance criteria.

4. The method blanks were less than the reporting limits.

5. The LCS recoveries were within acceptance limits.

6. Duplicate phosphorus matrix spikes were done on sample 211927-1. Both recoveries were biased low, at 67% and 69%.

(b) (6) [redacted]

Diane L. Harper
Wet Chemistry Section Manager

9-26-02
Date

Severn Trent Laboratories - Chicago
METALS CASE NARRATIVE

Client: SCS Engineers, Inc. Date Rec'd: 09/11/02
Project: GSA – SLOP
STL Job #: 211927

1. This narrative covers the Metals analysis of samples in the above Job #211927.

   Method Ref: USEPA SW-846

2. All analyses were performed within the required holding times.

3. All Initial and Continuing Calibration Verification (ICV/CCV's) were within control limits.

4. All Initial and Continuing Calibration Blanks (ICB/CCB's) were within control limits except for:
   ICP Batch 63630 CCB (Initial) Ca 112.8 ug/L
   Samples 1-4 were bracketed. Calcium in the samples were greater than 10X the CCB concentration. Therefore, re analysis was not performed.

5. All ICP Interference Check Samples (ICSA and ICSAB) were within control limits.

6. All Laboratory Control Sample (LCS) recoveries were within the 80-120% control limits.

7. All Method blank concentrations were less than the Reporting Limits (RL).

8. Matrix QC was performed on sample 1.

   All Serial dilution analysis were within control limits except for Al,BA,Ca,Cr,Co,Fe,Pb,Mg,Mn, Ni,V & Zn.

   All Matrix spike (MS/MSD) recoveries were within the 75-125% control limits (except- control limits are not applicable when the sample concentration exceed the spike added concentration by a factor of 4 or more) except for Sb,Ba,Pb,K (MS/MSD) & ;Cr,Zn (MSD).

   All Duplicate results were within the 20% RPD control limits for sample concentration greater than 4X the RL or +\- the RL for sample concentration less than 4X the RL except for Ba, & Ca..

(b) (6) [redacted]

Mani S. Iyer
Metals Section Manager

9/25/02
Date

Severn Trent Laboratories Chicago
GC/MS Case Narrative

SCS Engineers
GSA - SLOP
Job Number: 211927
VOA DATA:

1. The sample preparation and analyses were performed within the recommended hold times from the date of collection.

2. The Method Blank and Extraction Blanks had all target compounds below the reporting limits.

3. All of the spike recoveries for the control compounds were within the in-house generated QC limits in the LCS samples.

4. Matrix Spike/Matrix Spike Duplicate analyses were not performed on this sample set.

5. All volatile samples had surrogate recoveries within the in-house generated QC limits.

6. The soil samples were prepared using Method 5035 and analyzed following SW846 Method 8260B/8000B. All calibration criteria are met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. All internal standard areas and retention times were within SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The soil samples were analyzed using the low-level soil method. The results and reporting limits were adjusted to account for the sample weights the analytical procedure and on a dry weight basis.

9. The soil samples underwent an effervescence test. Samples 1, 3 and 5 effervesced when mixed with preservative. The soil samples were prepared in water and immediately frozen.

(b) (6) [redacted]

Gary Rynkar
GC/MS Section Manager

9/23/2
Date

Severn Trent Services - Chicago
GC/MS BNA Case Narrative

SCS Engineers, Inc./GSA-SLOP
JOB Number: 211927
BNA DATA:

1. All extractions and analyses were performed within recommended hold times.

2. The MB (Method Blank) had all analytes below the CRQL (Contract Required Quantitation Limits).

3. A BNA LCS/LCD (Laboratory Control Sample/Laboratory Control Duplicate) spike solution was used (100 µg/mL) and 1.0 mL was spiked in the LCS/LCD samples (prep batches 62700 & 63295). In-house generated QC limits and the 11 method control compounds were used for QC evaluation. All control spike recoveries and RPD values were within the QC limits in the LCS/LCD samples.

4. A MS/MSD (Matrix Spike/Matrix Spike Duplicate) analysis was performed on sample –3. A BNA LCS spike solution was used (100 µg/mL) and 1.0 mL was spiked in the MS/MSD. In-house generated QC limits and the 11 method control compounds were used for QC evaluation. The MS/MSD had one and two spike recoveries, respectively, outside the QC limits and three RPD values above the QC limit.

5. A BNA surrogate spike solution (Acids at 150 µg/mL & Base-Neutrals at 100 µg/mL) was used and 0.5 mL was spiked in all samples. All samples had surrogate recoveries within the in-house generated QC limits. The secondary dilution for sample –3 (sample –3D1) had all surrogate recoveries reported as "D".

6. All analyses were performed following USEPA SW846 8270C protocol. All samples had internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification.

7. The samples were extracted and analyzed as low-level soils, therefore, normal detection limits apply. Sample –3 required a 4x secondary dilution. Sample -3 results were adjusted for the dilution and all results were reported on a dry-weight basis.

(b) (6) [redacted]

Gary Rynkar
GC/MS Section Manager

9/25/2
Date

STL Chicago
PCB Case Narrative

SCS Engineers, Inc.
GSA – SLOP - Investigation
Job #: 211927-1 through 7
PCBs

1. STL Chicago used the following Gas Chromatographic systems for the analysis of PCBs:

ID#	INSTRUMENT	COLUMN TYPE	DETECTOR
07	Varian 3400	Rtx-5	Electron Capture
08	Varian 3400	Rtx-Clp2	Electron Capture

2. These soil samples were extracted based on SW846 method 3550. The extracts were analyzed for PCBs based on SW846 method 8082. All extracts received a GPC cleanup, sulfuric acid cleanup, and a sulfur cleanup in order to reduce matrix interference.

3. All required holding times were met for the extraction and analysis.

4. The method blank was below the reporting limits for all Aroclors.

5. The surrogate compounds used for this analysis were Decachlorobiphenyl (DCB) and Tetrachloro-m-xylene (TCX). All surrogate recoveries were within statistical control limits.

6. A solution containing Aroclor 1016 and Aroclor 1260 was used for spiking.

7. The blank spike recoveries were within statistical control limits.

8. A matrix spike and a matrix spike duplicate were performed on sample 211927-1 (105-1). All matrix spike and matrix spike duplicate recoveries were within statistical control limits. All RPDs were <20%.

9. All initial and continuing standard calibrations associated with these samples were in control. However, a slight retention time shift was observed and taken into account during data review.

10. Target compounds were not detected in the primary analysis. Therefore, a second column confirmation was not required.

(b) (6) [redacted]

Patti Gibson
Organics Section Manager

9/25/02
Date

STL Chicago
Explosives Case Narrative

SCS Engineers, Inc.
GSA – SLOP - Investigation
Job #: 211927-1 through 7
Explosives

1. STL Chicago uses the following HPLC systems for analysis of Nitroaromatics and Nitramines:

ID#	INSTRUMENT	COLUMN TYPE	DETECTOR
43	Agilent 1100	C-18	UV - 254nm
44	Agilent 1100	CN	UV - 254nm

2. These samples were extracted and analyzed for explosives based on SW846 method 8330.

3. All required holding times were met for the extraction and analysis.

4. The method blank was below the reporting limit for all target compounds.

5. The surrogate compound used for this analysis was 1,2-Dinitrobenzene (1,2-DNB). All surrogate recoveries were within statistical control limits.

6. All blank spike recoveries were within statistical control limits.

7. A matrix spike and a matrix spike duplicate were performed on sample 211927-1 (105-1). All matrix spike and matrix spike duplicate recoveries were within statistical control limits except 4-Amino-2,6-Dinitrotoluene, which had recoveries of 121% and 122%, respectively. All RPDs were <30%.

8. All initial and continuing standard calibrations associated with these samples were in control on the primary column (C18).

10. Target compounds were not detected in the primary analysis. Therefore, a second column confirmation was not required.

(b) (6)

Patti Gibson
Organics Section Manager

9/25/02
Date

SEVERN TRENT SERVICES

STL Chicago

SAMPLE INFORMATION
Date: 09/26/2002

Job Number.: 211927
Customer...: SCS Engineers, Inc.
Attn.....: David Brewer

Project Number.....: 20002601
Customer Project ID....: GSA - SLOP
Project Description....: GSA - SLOP - Investigation

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
211927-1	105-1	Soil	09/10/2002	15:30	09/11/2002	08:45
211927-2	105-2	Soil	09/10/2002	15:40	09/11/2002	08:45
211927-3	105-3	Soil	09/10/2002	16:10	09/11/2002	08:45
211927-4	105-4	Soil	09/10/2002	16:50	09/11/2002	08:45
211927-5	105-5	Soil	09/10/2002	17:30	09/11/2002	08:45
211927-6	101-1	Soil	09/10/2002	18:25	09/11/2002	08:45
211927-7	101-2	Soil	09/10/2002	18:30	09/11/2002	08:45
211927-8	101-3	Soil	09/10/2002	18:40	09/11/2002	08:45
211927-9	101-4	Soil	09/10/2002	18:50	09/11/2002	08:45

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-1
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-1
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	85.2			0.10	0.10	1	%	62415		09/12/02 0008	clb
	% Moisture, Solid	14.8			0.10	0.10	1	%	62415		09/12/02 0008	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.3	19	1.00000	ug/Kg	63718		09/24/02 2304	mgk
	Aroclor 1221, Solid*	ND		U	7.7	19	1.00000	ug/Kg	63718		09/24/02 2304	mgk
	Aroclor 1232, Solid*	ND		U	3.4	19	1.00000	ug/Kg	63718		09/24/02 2304	mgk
	Aroclor 1242, Solid*	ND		U	7.2	19	1.00000	ug/Kg	63718		09/24/02 2304	mgk
	Aroclor 1248, Solid*	ND		U	2.6	19	1.00000	ug/Kg	63718		09/24/02 2304	mgk
	Aroclor 1254, Solid*	ND		U	3.1	19	1.00000	ug/Kg	63718		09/24/02 2304	mgk
	Aroclor 1260, Solid*	ND		U	2.9	19	1.00000	ug/Kg	63718		09/24/02 2304	mgk
9014/9010B	Cyanide (Colorimetric)											
	Cyanide, Total, Solid*	ND		U	0.13	0.42	1	mg/Kg	63170		09/18/02 1443	rnm
4500PE	Phosphorous, All Forms											
	Phosphorous, Total as P, Solid*	510			9.6	56	10.00	mg/Kg	63806		09/25/02 1617	cvw
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	63654		09/17/02 2330	san
	RDX, Solid	ND		U	59	100	1.00000	ug/Kg	63654		09/17/02 2330	san
	1,3,5-Trinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	63654		09/17/02 2330	san
	1,3-Dinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	63654		09/17/02 2330	san
	Nitrobenzene, Solid	ND		U	22	100	1.00000	ug/Kg	63654		09/17/02 2330	san
	2,4,6-TNT, Solid	ND		U	34	100	1.00000	ug/Kg	63654		09/17/02 2330	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	63654		09/17/02 2330	san
	2,4-Dinitrotoluene, Solid	ND		U	36	100	1.00000	ug/Kg	63654		09/17/02 2330	san
	2,6-Dinitrotoluene, Solid	ND		U	48	200	1.00000	ug/Kg	63654		09/17/02 2330	san

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-1
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-1
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U		36	200	1.00000	ug/Kg	63654		09/17/02 2330	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U		97	200	1.00000	ug/Kg	63654		09/17/02 2330	san
	2-Nitrotoluene, Solid	ND	U		33	200	1.00000	ug/Kg	63654		09/17/02 2330	san
	4-Nitrotoluene, Solid	ND	U		47	500	1.00000	ug/Kg	63654		09/17/02 2330	san
	3-Nitrotoluene, Solid	ND	U		50	200	1.00000	ug/Kg	63654		09/17/02 2330	san
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.022	B		0.0063	0.039	1	mg/Kg	63552		09/23/02 1210	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9900			1.8	15	1	mg/Kg	63630		09/23/02 1151	tds
	Antimony, Solid*	ND	U		0.68	1.5	1	mg/Kg	63630		09/23/02 1151	tds
	Arsenic, Solid*	5.7			0.39	0.76	1	mg/Kg	63630		09/23/02 1151	tds
	Barium, Solid*	140			0.12	0.76	1	mg/Kg	63630		09/23/02 1151	tds
	Beryllium, Solid*	0.28	B		0.033	0.30	1	mg/Kg	63630		09/23/02 1151	tds
	Cadmium, Solid*	0.16			0.061	0.15	1	mg/Kg	63630		09/23/02 1151	tds
	Calcium, Solid*	27000			2.4	7.6	1	mg/Kg	63630		09/23/02 1151	tds
	Chromium, Solid*	18			0.17	0.76	1	mg/Kg	63630		09/23/02 1151	tds
	Cobalt, Solid*	6.1			0.11	0.38	1	mg/Kg	63630		09/23/02 1151	tds
	Copper, Solid*	13			0.68	0.76	1	mg/Kg	63630		09/23/02 1151	tds
	Iron, Solid*	14000			2.3	3.8	1	mg/Kg	63630		09/23/02 1151	tds
	Lead, Solid*	19			0.33	0.38	1	mg/Kg	63630		09/23/02 1151	tds
	Magnesium, Solid*	3300			1.3	7.6	1	mg/Kg	63630		09/23/02 1151	tds
	Manganese, Solid*	360			0.099	0.76	1	mg/Kg	63630		09/23/02 1151	tds
	Nickel, Solid*	14			0.19	0.76	1	mg/Kg	63630		09/23/02 1151	tds
	Potassium, Solid*	1200			10	38	1	mg/Kg	63630		09/23/02 1151	tds
	Selenium, Solid*	ND	U		0.30	0.76	1	mg/Kg	63630		09/23/02 1151	tds
	Silver, Solid*	ND	U		0.24	0.38	1	mg/Kg	63630		09/23/02 1151	tds
	Sodium, Solid*	760			66	76	1	mg/Kg	63672		09/24/02 1146	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-1
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-1
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Thallium, Solid*	ND	U		0.50	0.76	1	mg/Kg	63630		09/23/02 1151	tds
	Vanadium, Solid*	30			0.16	0.38	1	mg/Kg	63630		09/23/02 1151	tds
	Zinc, Solid*	56			0.30	1.5	1	mg/Kg	63630		09/23/02 1151	tds
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		97	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Bis(2-chloroethyl)ether, Solid*	ND	U		110	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	1,3-Dichlorobenzene, Solid*	ND	U		110	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	1,4-Dichlorobenzene, Solid*	ND	U		86	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	1,2-Dichlorobenzene, Solid*	ND	U		100	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Benzyl alcohol, Solid*	ND	U		120	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2-Methylphenol (o-cresol), Solid*	ND	U		140	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2,2-oxybis (1-chloropropane), Solid*	ND	U		200	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	n-Nitroso-di-n-propylamine, Solid*	ND	U		120	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Hexachloroethane, Solid*	ND	U		91	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	4-Methylphenol (m/p-cresol), Solid*	ND	U		140	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2-Chlorophenol, Solid*	ND	U		80	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Nitrobenzene, Solid*	ND	U		73	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Bis(2-chloroethoxy)methane, Solid*	ND	U		69	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	1,2,4-Trichlorobenzene, Solid*	ND	U		57	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Benzoic acid, Solid*	ND	U		200	2000	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Isophorone, Solid*	ND	U		58	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2,4-Dimethylphenol, Solid*	ND	U		260	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Hexachlorobutadiene, Solid*	ND	U		80	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Naphthalene, Solid*	ND	U		74	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2,4-Dichlorophenol, Solid*	ND	U		66	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	4-Chloroaniline, Solid*	ND	U		150	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2,4,6-Trichlorophenol, Solid*	ND	U		79	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2,4,5-Trichlorophenol, Solid*	ND	U		78	2000	1.00000	ug/Kg	63720		09/21/02 0010	dpk

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-1
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-1
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Hexachlorocyclopentadiene, Solid*	ND	U		140	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2-Methylnaphthalene, Solid*	ND	U		280	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2-Nitroaniline, Solid*	ND	U		120	2000	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2-Chloronaphthalene, Solid*	ND	U		63	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	4-Chloro-3-methylphenol, Solid*	ND	U		99	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2,6-Dinitrotoluene, Solid*	ND	U		91	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2-Nitrophenol, Solid*	ND	U		90	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	3-Nitroaniline, Solid*	ND	U		160	2000	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Dimethyl phthalate, Solid*	ND	U		87	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2,4-Dinitrophenol, Solid*	ND	U		230	2000	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Acenaphthylene, Solid*	ND	U		64	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	2,4-Dinitrotoluene, Solid*	ND	U		86	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Acenaphthene, Solid*	75	J		62	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Dibenzofuran, Solid*	ND	U		64	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	4-Nitrophenol, Solid*	ND	U		430	2000	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Fluorene, Solid*	ND	U		110	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	4-Nitroaniline, Solid*	ND	U		160	2000	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	4-Bromophenyl phenyl ether, Solid*	ND	U		110	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Hexachlorobenzene, Solid*	ND	U		83	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Diethyl phthalate, Solid*	ND	U		110	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	4-Chlorophenyl phenyl ether, Solid*	ND	U		100	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Pentachlorophenol, Solid*	ND	U		220	2000	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	n-Nitrosodiphenylamine, Solid*	ND	U		130	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		160	2000	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Phenanthrene, Solid*	1000			80	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Anthracene, Solid*	160	J		85	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Carbazole, Solid*	140	J		99	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Di-n-butyl phthalate, Solid*	ND	U		84	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Benzidine, Solid*	ND	U	*	2300	3800	1.00000	ug/Kg	63720		09/21/02 0010	dpk

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-1
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-1
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Fluoranthene, Solid*	1400			110	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Pyrene, Solid*	1300			170	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Butyl benzyl phthalate, Solid*	ND	U		130	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Benzo(a)anthracene, Solid*	530			62	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Chrysene, Solid*	700			47	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	3,3-Dichlorobenzidine, Solid*	ND	U		130	780	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		130	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Di-n-octyl phthalate, Solid*	ND	U		310	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Benzo(b)fluoranthene, Solid*	580			130	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Benzo(k)fluoranthene, Solid*	520		M	130	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Benzo(a)pyrene, Solid*	520			67	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Indeno(1,2,3-cd)pyrene, Solid*	350	J		130	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Dibenzo(a,h)anthracene, Solid*	160	J		130	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
	Benzo(ghi)perylene, Solid*	400			180	380	1.00000	ug/Kg	63720		09/21/02 0010	dpk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U	*	0.69	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Chloromethane, Solid*	ND	U		0.86	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Vinyl chloride, Solid*	ND	U		0.68	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Bromomethane, Solid*	ND	U		2.7	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Chloroethane, Solid*	ND	U		1.5	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Trichlorofluoromethane, Solid*	ND	U		0.65	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,1-Dichloroethene, Solid*	ND	U		0.92	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Carbon disulfide, Solid*	ND	U		1.8	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Acetone, Solid*	7.1			3.8	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Methylene chloride, Solid*	ND	U		1.7	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	trans-1,2-Dichloroethene, Solid*	ND	U		0.86	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		0.59	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,1-Dichloroethane, Solid*	ND	U		0.81	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-1
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-1
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,2-Dichloropropane, Solid*	ND	U		1.2	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	cis-1,2-Dichloroethene, Solid*	ND	U		1.1	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	2-Butanone (MEK), Solid*	ND	U		3.9	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Bromochloromethane, Solid*	ND	U		0.91	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Chloroform, Solid*	ND	U		0.57	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,1,1-Trichloroethane, Solid*	ND	U		0.56	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,1-Dichloropropene, Solid*	ND	U		0.73	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Carbon tetrachloride, Solid*	ND	U		0.76	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Benzene, Solid*	ND	U		0.61	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,2-Dichloroethane, Solid*	ND	U		0.53	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Trichloroethene, Solid*	ND	U		0.54	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,2-Dichloropropane, Solid*	ND	U		0.88	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Dibromomethane, Solid*	ND	U		0.63	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Bromodichloromethane, Solid*	ND	U		0.62	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	cis-1,3-Dichloropropene, Solid*	ND	U		0.73	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		2.8	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Toluene, Solid*	ND	U		0.92	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	trans-1,3-Dichloropropene, Solid*	ND	U		0.77	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,1,2-Trichloroethane, Solid*	ND	U		0.65	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Tetrachloroethene, Solid*	ND	U		0.62	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,3-Dichloropropane, Solid*	ND	U		0.85	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	2-Hexanone, Solid*	ND	U		1.6	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Dibromochloromethane, Solid*	ND	U	*	0.63	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,2-Dibromoethane (EDB), Solid*	ND	U		0.70	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Chlorobenzene, Solid*	ND	U		0.84	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,1,1,2-Tetrachloroethane, Solid*	ND	U	*	0.67	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Ethylbenzene, Solid*	ND	U		1.0	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	m&p-Xylenes, Solid*	ND	U		1.9	9.2	1.00000	ug/Kg	63482		09/19/02 1159	jso
	o-Xylene, Solid*	ND	U		0.85	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-1
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-1
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Styrene, Solid*	ND	U		0.92	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Bromoform, Solid*	ND	U	*	0.84	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Isopropylbenzene, Solid*	ND	U		0.69	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	Bromobenzene, Solid*	ND	U		0.65	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		0.59	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,2,3-Trichloropropane, Solid*	ND	U		1.0	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	n-Propylbenzene, Solid*	ND	U		0.79	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	2-Chlorotoluene, Solid*	ND	U		0.92	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,3,5-Trimethylbenzene, Solid*	ND	U		0.53	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	4-Chlorotoluene, Solid*	ND	U		0.71	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	tert-Butylbenzene, Solid*	ND	U		0.72	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,2,4-Trimethylbenzene, Solid*	ND	U		0.75	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	sec-Butylbenzene, Solid*	ND	U		0.74	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	p-Isopropyltoluene, Solid*	ND	U		0.62	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	n-Butylbenzene, Solid*	ND	U		0.77	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,2-Dibromo-3-chloropropane, Solid*	ND	U		1.0	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso
	1,2,3-Trichlorobenzene, Solid*	ND	U		0.91	4.6	1.00000	ug/Kg	63482		09/19/02 1159	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-2
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:40
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-2
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	81.0			0.10	0.10	1	%	62415		09/12/02 0008	clb
	% Moisture, Solid	19.0			0.10	0.10	1	%	62415		09/12/02 0008	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.5	20	1.00000	ug/Kg	63718		09/25/02 0041	mgk
	Aroclor 1221, Solid*	ND		U	8.1	20	1.00000	ug/Kg	63718		09/25/02 0041	mgk
	Aroclor 1232, Solid*	ND		U	3.6	20	1.00000	ug/Kg	63718		09/25/02 0041	mgk
	Aroclor 1242, Solid*	ND		U	7.6	20	1.00000	ug/Kg	63718		09/25/02 0041	mgk
	Aroclor 1248, Solid*	ND		U	2.8	20	1.00000	ug/Kg	63718		09/25/02 0041	mgk
	Aroclor 1254, Solid*	ND		U	3.3	20	1.00000	ug/Kg	63718		09/25/02 0041	mgk
	Aroclor 1260, Solid*	ND		U	3.0	20	1.00000	ug/Kg	63718		09/25/02 0041	mgk
9014/9010B	Cyanide (Colorimetric)											
	Cyanide, Total, Solid*	ND		U	0.15	0.48	1	mg/Kg	63170		09/18/02 1444	rnm
4500PE	Phosphorous, All Forms											
	Phosphorous, Total as P, Solid*	600			18	110	20.00	mg/Kg	63806		09/25/02 1617	cvw
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	63654		09/18/02 0245	san
	RDX, Solid	ND		U	58	100	1.00000	ug/Kg	63654		09/18/02 0245	san
	1,3,5-Trinitrobenzene, Solid	ND		U	17	100	1.00000	ug/Kg	63654		09/18/02 0245	san
	1,3-Dinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	63654		09/18/02 0245	san
	Nitrobenzene, Solid	ND		U	22	100	1.00000	ug/Kg	63654		09/18/02 0245	san
	2,4,6-TNT, Solid	ND		U	34	100	1.00000	ug/Kg	63654		09/18/02 0245	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	63654		09/18/02 0245	san
	2,4-Dinitrotoluene, Solid	ND		U	35	100	1.00000	ug/Kg	63654		09/18/02 0245	san
	2,6-Dinitrotoluene, Solid	ND		U	47	200	1.00000	ug/Kg	63654		09/18/02 0245	san

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-2
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:40
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-2
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U		36	200	1.00000	ug/Kg	63654		09/18/02 0245	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U		97	200	1.00000	ug/Kg	63654		09/18/02 0245	san
	2-Nitrotoluene, Solid	ND	U		33	200	1.00000	ug/Kg	63654		09/18/02 0245	san
	4-Nitrotoluene, Solid	ND	U		46	500	1.00000	ug/Kg	63654		09/18/02 0245	san
	3-Nitrotoluene, Solid	ND	U		50	200	1.00000	ug/Kg	63654		09/18/02 0245	san
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.022	B		0.0067	0.041	1	mg/Kg	63552		09/23/02 1221	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9700			1.8	15	1	mg/Kg	63630		09/23/02 1222	tds
	Antimony, Solid*	ND	U		0.68	1.5	1	mg/Kg	63630		09/23/02 1222	tds
	Arsenic, Solid*	3.9			0.38	0.75	1	mg/Kg	63630		09/23/02 1222	tds
	Barium, Solid*	93			0.12	0.75	1	mg/Kg	63630		09/23/02 1222	tds
	Beryllium, Solid*	0.33			0.033	0.30	1	mg/Kg	63630		09/23/02 1222	tds
	Cadmium, Solid*	ND	U		0.060	0.15	1	mg/Kg	63630		09/23/02 1222	tds
	Calcium, Solid*	3800			2.3	7.5	1	mg/Kg	63630		09/23/02 1222	tds
	Chromium, Solid*	18			0.17	0.75	1	mg/Kg	63630		09/23/02 1222	tds
	Cobalt, Solid*	4.5			0.11	0.38	1	mg/Kg	63630		09/23/02 1222	tds
	Copper, Solid*	11			0.68	0.75	1	mg/Kg	63630		09/23/02 1222	tds
	Iron, Solid*	14000			2.3	3.8	1	mg/Kg	63630		09/23/02 1222	tds
	Lead, Solid*	15			0.32	0.38	1	mg/Kg	63630		09/23/02 1222	tds
	Magnesium, Solid*	2700			1.3	7.5	1	mg/Kg	63630		09/23/02 1222	tds
	Manganese, Solid*	200			0.098	0.75	1	mg/Kg	63630		09/23/02 1222	tds
	Nickel, Solid*	13			0.19	0.75	1	mg/Kg	63630		09/23/02 1222	tds
	Potassium, Solid*	660			10	38	1	mg/Kg	63630		09/23/02 1222	tds
	Selenium, Solid*	ND	U		0.30	0.75	1	mg/Kg	63630		09/23/02 1222	tds
	Silver, Solid*	ND	U		0.23	0.38	1	mg/Kg	63630		09/23/02 1222	tds
	Sodium, Solid*	380			65	75	1	mg/Kg	63672		09/24/02 1219	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-2
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:40
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-2
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Thallium, Solid*	ND	U		0.50	0.75	1	mg/Kg	63630		09/23/02 1222	tds
	Vanadium, Solid*	28			0.16	0.38	1	mg/Kg	63630		09/23/02 1222	tds
	Zinc, Solid*	38			0.30	1.5	1	mg/Kg	63630		09/23/02 1222	tds
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		100	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Bis(2-chloroethyl)ether, Solid*	ND	U		110	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	1,3-Dichlorobenzene, Solid*	ND	U		110	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	1,4-Dichlorobenzene, Solid*	ND	U		90	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	1,2-Dichlorobenzene, Solid*	ND	U		100	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Benzyl alcohol, Solid*	ND	U		120	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2-Methylphenol (o-cresol), Solid*	ND	U		150	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2,2-oxybis (1-chloropropane), Solid*	ND	U		210	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	n-Nitroso-di-n-propylamine, Solid*	ND	U		120	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Hexachloroethane, Solid*	ND	U		94	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	4-Methylphenol (m/p-cresol), Solid*	ND	U		140	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2-Chlorophenol, Solid*	ND	U		83	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Nitrobenzene, Solid*	ND	U		76	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Bis(2-chloroethoxy)methane, Solid*	ND	U		71	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	1,2,4-Trichlorobenzene, Solid*	ND	U		59	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Benzoic acid, Solid*	ND	U		210	2100	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Isophorone, Solid*	ND	U		60	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2,4-Dimethylphenol, Solid*	ND	U		270	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Hexachlorobutadiene, Solid*	ND	U		83	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Naphthalene, Solid*	ND	U		77	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2,4-Dichlorophenol, Solid*	ND	U		69	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	4-Chloroaniline, Solid*	ND	U		150	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2,4,6-Trichlorophenol, Solid*	ND	U		82	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2,4,5-Trichlorophenol, Solid*	ND	U		81	2100	1.00000	ug/Kg	63720		09/21/02 0042	dpk

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-2
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:40
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-2
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Hexachlorocyclopentadiene, Solid*	ND	U		150	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2-Methylnaphthalene, Solid*	ND	U		290	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2-Nitroaniline, Solid*	ND	U		130	2100	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2-Chloronaphthalene, Solid*	ND	U		65	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	4-Chloro-3-methylphenol, Solid*	ND	U		100	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2,6-Dinitrotoluene, Solid*	ND	U		94	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2-Nitrophenol, Solid*	ND	U		93	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	3-Nitroaniline, Solid*	ND	U		170	2100	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Dimethyl phthalate, Solid*	ND	U		91	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2,4-Dinitrophenol, Solid*	ND	U		240	2100	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Acenaphthylene, Solid*	ND	U		67	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	2,4-Dinitrotoluene, Solid*	ND	U		90	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Acenaphthene, Solid*	ND	U		64	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Dibenzofuran, Solid*	ND	U		67	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	4-Nitrophenol, Solid*	ND	U		440	2100	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Fluorene, Solid*	ND	U		120	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	4-Nitroaniline, Solid*	ND	U		160	2100	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	4-Bromophenyl phenyl ether, Solid*	ND	U		110	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Hexachlorobenzene, Solid*	ND	U		86	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Diethyl phthalate, Solid*	ND	U		110	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	4-Chlorophenyl phenyl ether, Solid*	ND	U		110	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Pentachlorophenol, Solid*	ND	U		220	2100	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	n-Nitrosodiphenylamine, Solid*	ND	U		130	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		170	2100	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Phenanthrene, Solid*	ND	U		83	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Anthracene, Solid*	ND	U		88	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Carbazole, Solid*	ND	U		100	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Di-n-butyl phthalate, Solid*	ND	U		87	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Benzidine, Solid*	ND	U	*	2400	4000	1.00000	ug/Kg	63720		09/21/02 0042	dpk

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-2
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:40
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-2
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Fluoranthene, Solid*	ND	U		110	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Pyrene, Solid*	ND	U		170	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Butyl benzyl phthalate, Solid*	ND	U		140	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Benzo(a)anthracene, Solid*	ND	U		64	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Chrysene, Solid*	ND	U		48	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	3,3-Dichlorobenzidine, Solid*	ND	U		140	810	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		140	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Di-n-octyl phthalate, Solid*	ND	U		320	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Benzo(b)fluoranthene, Solid*	ND	U		130	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Benzo(k)fluoranthene, Solid*	ND	U		140	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Benzo(a)pyrene, Solid*	ND	U		70	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U		140	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Dibenzo(a,h)anthracene, Solid*	ND	U		140	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
	Benzo(ghi)perylene, Solid*	ND	U		180	400	1.00000	ug/Kg	63720		09/21/02 0042	dpk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U	*	0.80	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Chloromethane, Solid*	ND	U		1.0	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Vinyl chloride, Solid*	ND	U		0.79	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Bromomethane, Solid*	ND	U		3.1	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Chloroethane, Solid*	ND	U		1.7	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Trichlorofluoromethane, Solid*	ND	U		0.76	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,1-Dichloroethene, Solid*	ND	U		1.1	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Carbon disulfide, Solid*	ND	U		2.1	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Acetone, Solid*	100			4.4	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Methylene chloride, Solid*	ND	U		1.9	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	trans-1,2-Dichloroethene, Solid*	ND	U		1.0	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		0.69	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,1-Dichloroethane, Solid*	ND	U		0.94	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-2
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:40
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-2
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,2-Dichloropropane, Solid*	ND	U		1.4	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	2-Butanone (MEK), Solid*	10			4.5	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Bromochloromethane, Solid*	ND	U		1.1	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Chloroform, Solid*	ND	U		0.66	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,1,1-Trichloroethane, Solid*	ND	U		0.65	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,1-Dichloropropene, Solid*	ND	U		0.86	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Carbon tetrachloride, Solid*	ND	U		0.89	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Benzene, Solid*	ND	U		0.71	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,2-Dichloroethane, Solid*	ND	U		0.62	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Trichloroethene, Solid*	ND	U		0.63	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,2-Dichloropropane, Solid*	ND	U		1.0	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Dibromomethane, Solid*	ND	U		0.74	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Bromodichloromethane, Solid*	ND	U		0.73	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	cis-1,3-Dichloropropene, Solid*	ND	U		0.85	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		3.2	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Toluene, Solid*	9.1			1.1	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	trans-1,3-Dichloropropene, Solid*	ND	U		0.90	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,1,2-Trichloroethane, Solid*	ND	U		0.76	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Tetrachloroethene, Solid*	ND	U		0.72	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,3-Dichloropropane, Solid*	ND	U		1.0	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	2-Hexanone, Solid*	ND	U		1.8	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Dibromochloromethane, Solid*	ND	U	*	0.74	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,2-Dibromoethane (EDB), Solid*	ND	U		0.81	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Chlorobenzene, Solid*	ND	U		0.98	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,1,1,2-Tetrachloroethane, Solid*	ND	U	*	0.78	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Ethylbenzene, Solid*	ND	U		1.2	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	m&p-Xylenes, Solid*	ND	U		2.3	11	1.00000	ug/Kg	63482		09/19/02 1102	jso
	o-Xylene, Solid*	ND	U		1.0	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-2
Date Sampled.....: 09/10/2002
Time Sampled.....: 15:40
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-2
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Styrene, Solid*	ND	U		1.1	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Bromoform, Solid*	ND	U	*	0.98	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Isopropylbenzene, Solid*	ND	U		0.80	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	Bromobenzene, Solid*	ND	U		0.76	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		0.69	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,2,3-Trichloropropane, Solid*	ND	U		1.2	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	n-Propylbenzene, Solid*	ND	U		0.92	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	2-Chlorotoluene, Solid*	ND	U		1.1	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,3,5-Trimethylbenzene, Solid*	ND	U		0.62	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	4-Chlorotoluene, Solid*	ND	U		0.83	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	tert-Butylbenzene, Solid*	ND	U		0.84	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,2,4-Trimethylbenzene, Solid*	3.4	J	a	0.88	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	sec-Butylbenzene, Solid*	ND	U		0.87	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	p-Isopropyltoluene, Solid*	46			0.73	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	n-Butylbenzene, Solid*	ND	U		0.90	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,2-Dibromo-3-chloropropane, Solid*	ND	U		1.2	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso
	1,2,3-Trichlorobenzene, Solid*	ND	U		1.1	5.4	1.00000	ug/Kg	63482		09/19/02 1102	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-3
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:10
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-3
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	83.1			0.10	0.10	1	%	62415		09/12/02 0008	clb
	% Moisture, Solid	16.9			0.10	0.10	1	%	62415		09/12/02 0008	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.4	20	1.00000	ug/Kg	63718		09/25/02 0114	mgk
	Aroclor 1221, Solid*	ND		U	7.9	20	1.00000	ug/Kg	63718		09/25/02 0114	mgk
	Aroclor 1232, Solid*	ND		U	3.5	20	1.00000	ug/Kg	63718		09/25/02 0114	mgk
	Aroclor 1242, Solid*	ND		U	7.5	20	1.00000	ug/Kg	63718		09/25/02 0114	mgk
	Aroclor 1248, Solid*	ND		U	2.7	20	1.00000	ug/Kg	63718		09/25/02 0114	mgk
	Aroclor 1254, Solid*	ND		U	3.2	20	1.00000	ug/Kg	63718		09/25/02 0114	mgk
	Aroclor 1260, Solid*	ND		U	3.0	20	1.00000	ug/Kg	63718		09/25/02 0114	mgk
9014/9010B	Cyanide (Colorimetric)											
	Cyanide, Total, Solid*	ND		U	0.11	0.34	1	mg/Kg	63170		09/18/02 1444	rnm
4500PE	Phosphorous, All Forms											
	Phosphorous, Total as P, Solid*	430			9.9	58	10.00	mg/Kg	63806		09/25/02 1618	cvw
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	63654		09/18/02 0422	san
	RDX, Solid	ND		U	58	99	1.00000	ug/Kg	63654		09/18/02 0422	san
	1,3,5-Trinitrobenzene, Solid	ND		U	17	99	1.00000	ug/Kg	63654		09/18/02 0422	san
	1,3-Dinitrobenzene, Solid	ND		U	18	99	1.00000	ug/Kg	63654		09/18/02 0422	san
	Nitrobenzene, Solid	ND		U	22	99	1.00000	ug/Kg	63654		09/18/02 0422	san
	2,4,6-TNT, Solid	ND		U	33	99	1.00000	ug/Kg	63654		09/18/02 0422	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	63654		09/18/02 0422	san
	2,4-Dinitrotoluene, Solid	ND		U	35	99	1.00000	ug/Kg	63654		09/18/02 0422	san
	2,6-Dinitrotoluene, Solid	ND		U	47	200	1.00000	ug/Kg	63654		09/18/02 0422	san

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-3
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:10
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-3
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U		36	200	1.00000	ug/Kg	63654		09/18/02 0422	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U		96	200	1.00000	ug/Kg	63654		09/18/02 0422	san
	2-Nitrotoluene, Solid	ND	U		33	200	1.00000	ug/Kg	63654		09/18/02 0422	san
	4-Nitrotoluene, Solid	ND	U		46	500	1.00000	ug/Kg	63654		09/18/02 0422	san
	3-Nitrotoluene, Solid	ND	U		50	200	1.00000	ug/Kg	63654		09/18/02 0422	san
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.029	B		0.0065	0.040	1	mg/Kg	63552		09/23/02 1223	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			1.8	15	1	mg/Kg	63630		09/23/02 1228	tds
	Antimony, Solid*	ND	U		0.69	1.5	1	mg/Kg	63630		09/23/02 1228	tds
	Arsenic, Solid*	5.8			0.39	0.77	1	mg/Kg	63630		09/23/02 1228	tds
	Barium, Solid*	110			0.12	0.77	1	mg/Kg	63630		09/23/02 1228	tds
	Beryllium, Solid*	0.38			0.034	0.31	1	mg/Kg	63630		09/23/02 1228	tds
	Cadmium, Solid*	0.071	B		0.061	0.15	1	mg/Kg	63630		09/23/02 1228	tds
	Calcium, Solid*	24000			2.4	7.7	1	mg/Kg	63630		09/23/02 1228	tds
	Chromium, Solid*	18			0.17	0.77	1	mg/Kg	63630		09/23/02 1228	tds
	Cobalt, Solid*	6.5			0.11	0.38	1	mg/Kg	63630		09/23/02 1228	tds
	Copper, Solid*	13			0.69	0.77	1	mg/Kg	63630		09/23/02 1228	tds
	Iron, Solid*	15000			2.3	3.8	1	mg/Kg	63630		09/23/02 1228	tds
	Lead, Solid*	14			0.33	0.38	1	mg/Kg	63630		09/23/02 1228	tds
	Magnesium, Solid*	2700			1.3	7.7	1	mg/Kg	63630		09/23/02 1228	tds
	Manganese, Solid*	420			0.1	0.77	1	mg/Kg	63630		09/23/02 1228	tds
	Nickel, Solid*	15			0.19	0.77	1	mg/Kg	63630		09/23/02 1228	tds
	Potassium, Solid*	1100			11	38	1	mg/Kg	63630		09/23/02 1228	tds
	Selenium, Solid*	ND	U		0.31	0.77	1	mg/Kg	63630		09/23/02 1228	tds
	Silver, Solid*	ND	U		0.24	0.38	1	mg/Kg	63630		09/23/02 1228	tds
	Sodium, Solid*	760			66	77	1	mg/Kg	63672		09/24/02 1225	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-3
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:10
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-3
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Thallium, Solid*	ND	U		0.51	0.77	1	mg/Kg	63630		09/23/02 1228	tds
	Vanadium, Solid*	31			0.16	0.38	1	mg/Kg	63630		09/23/02 1228	tds
	Zinc, Solid*	42			0.31	1.5	1	mg/Kg	63630		09/23/02 1228	tds
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		98	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Bis(2-chloroethyl)ether, Solid*	ND	U		110	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	1,3-Dichlorobenzene, Solid*	ND	U		110	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	1,4-Dichlorobenzene, Solid*	ND	U		87	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	1,2-Dichlorobenzene, Solid*	ND	U		100	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Benzyl alcohol, Solid*	ND	U		120	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2-Methylphenol (o-cresol), Solid*	ND	U		150	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2,2-oxybis (1-chloropropane), Solid*	ND	U		200	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	n-Nitroso-di-n-propylamine, Solid*	ND	U		120	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Hexachloroethane, Solid*	ND	U		92	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	4-Methylphenol (m/p-cresol), Solid*	ND	U		140	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2-Chlorophenol, Solid*	ND	U		82	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Nitrobenzene, Solid*	ND	U		74	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Bis(2-chloroethoxy)methane, Solid*	ND	U		70	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	1,2,4-Trichlorobenzene, Solid*	ND	U		58	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Benzoic acid, Solid*	ND	U		200	2000	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Isophorone, Solid*	ND	U		59	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2,4-Dimethylphenol, Solid*	ND	U		260	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Hexachlorobutadiene, Solid*	ND	U		82	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Naphthalene, Solid*	ND	U		76	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2,4-Dichlorophenol, Solid*	ND	U		67	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	4-Chloroaniline, Solid*	ND	U		150	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2,4,6-Trichlorophenol, Solid*	ND	U		80	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2,4,5-Trichlorophenol, Solid*	ND	U		79	2000	1.00000	ug/Kg	63721		09/20/02 2233	dpk

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-3
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:10
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-3
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Hexachlorocyclopentadiene, Solid*	ND	U		140	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2-Methylnaphthalene, Solid*	ND	U		280	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2-Nitroaniline, Solid*	ND	U		130	2000	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2-Chloronaphthalene, Solid*	ND	U		64	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	4-Chloro-3-methylphenol, Solid*	ND	U		100	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2,6-Dinitrotoluene, Solid*	ND	U		92	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2-Nitrophenol, Solid*	ND	U		91	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	3-Nitroaniline, Solid*	ND	U		160	2000	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Dimethyl phthalate, Solid*	ND	U		89	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2,4-Dinitrophenol, Solid*	ND	U		230	2000	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Acenaphthylene, Solid*	ND	U		65	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	2,4-Dinitrotoluene, Solid*	ND	U		87	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Acenaphthene, Solid*	870			63	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Dibenzofuran, Solid*	390			65	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	4-Nitrophenol, Solid*	ND	U		430	2000	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Fluorene, Solid*	1000			120	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	4-Nitroaniline, Solid*	ND	U		160	2000	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	4-Bromophenyl phenyl ether, Solid*	ND	U		110	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Hexachlorobenzene, Solid*	ND	U		84	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Diethyl phthalate, Solid*	ND	U		110	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	4-Chlorophenyl phenyl ether, Solid*	ND	U		100	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Pentachlorophenol, Solid*	ND	U		220	2000	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	n-Nitrosodiphenylamine, Solid*	ND	U		130	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		170	2000	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Phenanthrene, Solid*	11000			330	1600	4.00000	ug/Kg	63721	D1	09/24/02 1518	dpk
	Anthracene, Solid*	1800			86	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Carbazole, Solid*	990		*	100	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Di-n-butyl phthalate, Solid*	ND	U		85	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Benzidine, Solid*	ND	U		2300	3900	1.00000	ug/Kg	63721		09/20/02 2233	dpk

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-3
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:10
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-3
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Fluoranthene, Solid*	14000			440	1600	4.00000	ug/Kg	63721	D1	09/24/02 1518	dpk
	Pyrene, Solid*	11000			680	1600	4.00000	ug/Kg	63721	D1	09/24/02 1518	dpk
	Butyl benzyl phthalate, Solid*	ND	U		140	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Benzo(a)anthracene, Solid*	4400			63	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Chrysene, Solid*	5300			47	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	3,3-Dichlorobenzidine, Solid*	ND	U		130	790	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		130	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Di-n-octyl phthalate, Solid*	ND	U		310	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Benzo(b)fluoranthene, Solid*	4800			130	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Benzo(k)fluoranthene, Solid*	3500		M	140	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Benzo(a)pyrene, Solid*	3700			69	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Indeno(1,2,3-cd)pyrene, Solid*	2400			130	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Dibenzo(a,h)anthracene, Solid*	1100			130	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
	Benzo(ghi)perylene, Solid*	2600			180	390	1.00000	ug/Kg	63721		09/20/02 2233	dpk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U	*	0.83	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Chloromethane, Solid*	ND	U		1.0	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Vinyl chloride, Solid*	ND	U		0.82	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Bromomethane, Solid*	ND	U		3.2	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Chloroethane, Solid*	ND	U		1.8	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Trichlorofluoromethane, Solid*	ND	U		0.79	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,1-Dichloroethene, Solid*	ND	U		1.1	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Carbon disulfide, Solid*	ND	U		2.2	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Acetone, Solid*	ND	U		4.5	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Methylene chloride, Solid*	ND	U		2.0	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	trans-1,2-Dichloroethene, Solid*	ND	U		1.0	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		0.71	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,1-Dichloroethane, Solid*	ND	U		0.97	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-3
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:10
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-3
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,2-Dichloropropane, Solid*	ND	U		1.4	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	2-Butanone (MEK), Solid*	ND	U		4.6	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Bromochloromethane, Solid*	ND	U		1.1	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Chloroform, Solid*	ND	U		0.69	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,1,1-Trichloroethane, Solid*	ND	U		0.67	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,1-Dichloropropene, Solid*	ND	U		0.88	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Carbon tetrachloride, Solid*	ND	U		0.92	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Benzene, Solid*	ND	U		0.73	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,2-Dichloroethane, Solid*	ND	U		0.64	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Trichloroethene, Solid*	ND	U		0.65	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,2-Dichloropropane, Solid*	ND	U		1.1	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Dibromomethane, Solid*	ND	U		0.76	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Bromodichloromethane, Solid*	ND	U		0.75	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	cis-1,3-Dichloropropene, Solid*	ND	U		0.87	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		3.3	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Toluene, Solid*	ND	U		1.1	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	trans-1,3-Dichloropropene, Solid*	ND	U		0.93	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,1,2-Trichloroethane, Solid*	ND	U		0.79	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Tetrachloroethene, Solid*	ND	U		0.74	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,3-Dichloropropane, Solid*	ND	U		1.0	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	2-Hexanone, Solid*	ND	U		1.9	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Dibromochloromethane, Solid*	ND	U	*	0.76	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,2-Dibromoethane (EDB), Solid*	ND	U		0.84	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Chlorobenzene, Solid*	ND	U		1.0	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,1,1,2-Tetrachloroethane, Solid*	ND	U	*	0.81	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Ethylbenzene, Solid*	ND	U		1.2	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	m&p-Xylenes, Solid*	ND	U		2.3	11	1.00000	ug/Kg	63482		09/19/02 1227	jso
	o-Xylene, Solid*	ND	U		1.0	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-3
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:10
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-3
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Styrene, Solid*	ND	U		1.1	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Bromoform, Solid*	ND	U	*	1.0	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Isopropylbenzene, Solid*	ND	U		0.83	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	Bromobenzene, Solid*	ND	U		0.79	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		0.71	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,2,3-Trichloropropane, Solid*	ND	U		1.2	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	n-Propylbenzene, Solid*	ND	U		0.95	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	2-Chlorotoluene, Solid*	ND	U		1.1	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,3,5-Trimethylbenzene, Solid*	ND	U		0.64	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	4-Chlorotoluene, Solid*	ND	U		0.85	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	tert-Butylbenzene, Solid*	ND	U		0.86	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,2,4-Trimethylbenzene, Solid*	ND	U		0.91	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	sec-Butylbenzene, Solid*	ND	U		0.90	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	p-Isopropyltoluene, Solid*	ND	U		0.75	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	n-Butylbenzene, Solid*	ND	U		0.93	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,2-Dibromo-3-chloropropane, Solid*	ND	U		1.2	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso
	1,2,3-Trichlorobenzene, Solid*	ND	U		1.1	5.5	1.00000	ug/Kg	63482		09/19/02 1227	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-4
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:50
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-4
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	81.4			0.10	0.10	1	%	62415		09/12/02 0008	clb
	% Moisture, Solid	18.6			0.10	0.10	1	%	62415		09/12/02 0008	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.5	20	1.00000	ug/Kg	63718		09/25/02 0147	mgk
	Aroclor 1221, Solid*	ND		U	8.1	20	1.00000	ug/Kg	63718		09/25/02 0147	mgk
	Aroclor 1232, Solid*	ND		U	3.6	20	1.00000	ug/Kg	63718		09/25/02 0147	mgk
	Aroclor 1242, Solid*	ND		U	7.6	20	1.00000	ug/Kg	63718		09/25/02 0147	mgk
	Aroclor 1248, Solid*	ND		U	2.8	20	1.00000	ug/Kg	63718		09/25/02 0147	mgk
	Aroclor 1254, Solid*	ND		U	3.3	20	1.00000	ug/Kg	63718		09/25/02 0147	mgk
	Aroclor 1260, Solid*	ND		U	3.0	20	1.00000	ug/Kg	63718		09/25/02 0147	mgk
9014/9010B	Cyanide (Colorimetric)											
	Cyanide, Total, Solid*	ND		U	0.13	0.40	1	mg/Kg	63170		09/18/02 1444	rnm
4500PE	Phosphorous, All Forms											
	Phosphorous, Total as P, Solid*	520			19	110	20.00	mg/Kg	63806		09/25/02 1618	cvw
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	63654		09/18/02 0527	san
	RDX, Solid	ND		U	57	98	1.00000	ug/Kg	63654		09/18/02 0527	san
	1,3,5-Trinitrobenzene, Solid	ND		U	17	98	1.00000	ug/Kg	63654		09/18/02 0527	san
	1,3-Dinitrobenzene, Solid	ND		U	17	98	1.00000	ug/Kg	63654		09/18/02 0527	san
	Nitrobenzene, Solid	ND		U	22	98	1.00000	ug/Kg	63654		09/18/02 0527	san
	2,4,6-TNT, Solid	ND		U	33	98	1.00000	ug/Kg	63654		09/18/02 0527	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	63654		09/18/02 0527	san
	2,4-Dinitrotoluene, Solid	ND		U	35	98	1.00000	ug/Kg	63654		09/18/02 0527	san
	2,6-Dinitrotoluene, Solid	ND		U	47	200	1.00000	ug/Kg	63654		09/18/02 0527	san

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-4
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:50
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-4
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U		35	200	1.00000	ug/Kg	63654		09/18/02 0527	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U		95	200	1.00000	ug/Kg	63654		09/18/02 0527	san
	2-Nitrotoluene, Solid	ND	U		33	200	1.00000	ug/Kg	63654		09/18/02 0527	san
	4-Nitrotoluene, Solid	ND	U		46	490	1.00000	ug/Kg	63654		09/18/02 0527	san
	3-Nitrotoluene, Solid	ND	U		49	200	1.00000	ug/Kg	63654		09/18/02 0527	san
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.073			0.0066	0.041	1	mg/Kg	63552		09/23/02 1226	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			1.9	16	1	mg/Kg	63630		09/23/02 1234	tds
	Antimony, Solid*	ND	U		0.72	1.6	1	mg/Kg	63630		09/23/02 1234	tds
	Arsenic, Solid*	4.3			0.41	0.80	1	mg/Kg	63630		09/23/02 1234	tds
	Barium, Solid*	120			0.13	0.80	1	mg/Kg	63630		09/23/02 1234	tds
	Beryllium, Solid*	0.36			0.035	0.32	1	mg/Kg	63630		09/23/02 1234	tds
	Cadmium, Solid*	ND	U		0.064	0.16	1	mg/Kg	63630		09/23/02 1234	tds
	Calcium, Solid*	4100			2.5	8.0	1	mg/Kg	63630		09/23/02 1234	tds
	Chromium, Solid*	22			0.18	0.80	1	mg/Kg	63630		09/23/02 1234	tds
	Cobalt, Solid*	5.2			0.11	0.40	1	mg/Kg	63630		09/23/02 1234	tds
	Copper, Solid*	13			0.72	0.80	1	mg/Kg	63630		09/23/02 1234	tds
	Iron, Solid*	15000			2.4	4.0	1	mg/Kg	63630		09/23/02 1234	tds
	Lead, Solid*	13			0.34	0.40	1	mg/Kg	63630		09/23/02 1234	tds
	Magnesium, Solid*	2700			1.4	8.0	1	mg/Kg	63630		09/23/02 1234	tds
	Manganese, Solid*	210			0.10	0.80	1	mg/Kg	63630		09/23/02 1234	tds
	Nickel, Solid*	14			0.20	0.80	1	mg/Kg	63630		09/23/02 1234	tds
	Potassium, Solid*	1100			11	40	1	mg/Kg	63630		09/23/02 1234	tds
	Selenium, Solid*	ND	U		0.32	0.80	1	mg/Kg	63630		09/23/02 1234	tds
	Silver, Solid*	ND	U		0.25	0.40	1	mg/Kg	63630		09/23/02 1234	tds
	Sodium, Solid*	360			70	80	1	mg/Kg	63672		09/24/02 1231	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-4
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:50
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-4
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Thallium, Solid*	0.56	B		0.53	0.80	1	mg/Kg	63630		09/23/02 1234	tds
	Vanadium, Solid*	30			0.17	0.40	1	mg/Kg	63630		09/23/02 1234	tds
	Zinc, Solid*	43			0.32	1.6	1	mg/Kg	63630		09/23/02 1234	tds
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		100	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Bis(2-chloroethyl)ether, Solid*	ND	U		110	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	1,3-Dichlorobenzene, Solid*	ND	U		110	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	1,4-Dichlorobenzene, Solid*	ND	U		89	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	1,2-Dichlorobenzene, Solid*	ND	U		100	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Benzyl alcohol, Solid*	ND	U		120	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2-Methylphenol (o-cresol), Solid*	ND	U		150	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2,2-oxybis (1-chloropropane), Solid*	ND	U		210	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	n-Nitroso-di-n-propylamine, Solid*	ND	U		120	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Hexachloroethane, Solid*	ND	U		94	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	4-Methylphenol (m/p-cresol), Solid*	ND	U		140	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2-Chlorophenol, Solid*	ND	U		83	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Nitrobenzene, Solid*	ND	U		76	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Bis(2-chloroethoxy)methane, Solid*	ND	U		71	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	1,2,4-Trichlorobenzene, Solid*	ND	U		59	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Benzoic acid, Solid*	ND	U		210	2000	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Isophorone, Solid*	ND	U		60	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2,4-Dimethylphenol, Solid*	ND	U		270	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Hexachlorobutadiene, Solid*	ND	U		83	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Naphthalene, Solid*	ND	U		77	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2,4-Dichlorophenol, Solid*	ND	U		69	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	4-Chloroaniline, Solid*	ND	U		150	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2,4,6-Trichlorophenol, Solid*	ND	U		82	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2,4,5-Trichlorophenol, Solid*	ND	U		81	2000	1.00000	ug/Kg	63720		09/24/02 1551	dpk

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-4
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:50
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-4
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Hexachlorocyclopentadiene, Solid*	ND	U		150	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2-Methylnaphthalene, Solid*	ND	U		290	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2-Nitroaniline, Solid*	ND	U		130	2000	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2-Chloronaphthalene, Solid*	ND	U		65	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	4-Chloro-3-methylphenol, Solid*	ND	U		100	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2,6-Dinitrotoluene, Solid*	ND	U		94	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2-Nitrophenol, Solid*	ND	U		93	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	3-Nitroaniline, Solid*	ND	U		170	2000	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Dimethyl phthalate, Solid*	ND	U		90	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2,4-Dinitrophenol, Solid*	ND	U		240	2000	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Acenaphthylene, Solid*	ND	U		66	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	2,4-Dinitrotoluene, Solid*	ND	U		89	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Acenaphthene, Solid*	ND	U		64	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Dibenzofuran, Solid*	ND	U		66	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	4-Nitrophenol, Solid*	ND	U		440	2000	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Fluorene, Solid*	ND	U		120	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	4-Nitroaniline, Solid*	ND	U		160	2000	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	4-Bromophenyl phenyl ether, Solid*	ND	U		110	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Hexachlorobenzene, Solid*	ND	U		86	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Diethyl phthalate, Solid*	ND	U		110	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	4-Chlorophenyl phenyl ether, Solid*	ND	U		100	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Pentachlorophenol, Solid*	ND	U		220	2000	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	n-Nitrosodiphenylamine, Solid*	ND	U		130	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		170	2000	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Phenanthrene, Solid*	200	J		83	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Anthracene, Solid*	ND	U		88	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Carbazole, Solid*	ND	U		100	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Di-n-butyl phthalate, Solid*	ND	U		87	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Benzidine, Solid*	ND	U	*	2400	4000	1.00000	ug/Kg	63720		09/24/02 1551	dpk

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-4
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:50
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-4
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Fluoranthene, Solid*	370	J		110	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Pyrene, Solid*	270	J		170	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Butyl benzyl phthalate, Solid*	ND	U		140	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Benzo(a)anthracene, Solid*	130	J		64	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Chrysene, Solid*	160	J		48	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	3,3-Dichlorobenzidine, Solid*	ND	U		140	810	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		140	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Di-n-octyl phthalate, Solid*	ND	U		320	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Benzo(b)fluoranthene, Solid*	150	J		130	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Benzo(k)fluoranthene, Solid*	ND	U		140	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Benzo(a)pyrene, Solid*	130	J		70	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U		130	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Dibenzo(a,h)anthracene, Solid*	ND	U		130	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
	Benzo(ghi)perylene, Solid*	ND	U		180	400	1.00000	ug/Kg	63720		09/24/02 1551	dpk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U	*	0.79	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Chloromethane, Solid*	ND	U		0.99	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Vinyl chloride, Solid*	ND	U		0.78	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Bromomethane, Solid*	ND	U		3.1	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Chloroethane, Solid*	ND	U		1.7	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Trichlorofluoromethane, Solid*	ND	U		0.75	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,1-Dichloroethene, Solid*	ND	U		1.1	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Carbon disulfide, Solid*	ND	U		2.1	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Acetone, Solid*	6.9			4.3	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Methylene chloride, Solid*	ND	U		1.9	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	trans-1,2-Dichloroethene, Solid*	ND	U		0.99	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		0.68	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,1-Dichloroethane, Solid*	ND	U		0.93	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-4
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:50
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-4
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,2-Dichloropropane, Solid*	ND	U		1.4	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	2-Butanone (MEK), Solid*	ND	U		4.4	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Bromochloromethane, Solid*	ND	U		1.0	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Chloroform, Solid*	ND	U		0.65	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,1,1-Trichloroethane, Solid*	ND	U		0.64	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,1-Dichloropropene, Solid*	ND	U		0.84	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Carbon tetrachloride, Solid*	ND	U		0.88	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Benzene, Solid*	ND	U		0.70	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,2-Dichloroethane, Solid*	ND	U		0.61	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Trichloroethene, Solid*	ND	U		0.62	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,2-Dichloropropane, Solid*	ND	U		1.0	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Dibromomethane, Solid*	ND	U		0.73	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Bromodichloromethane, Solid*	ND	U		0.72	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	cis-1,3-Dichloropropene, Solid*	ND	U		0.83	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		3.2	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Toluene, Solid*	ND	U		1.1	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	trans-1,3-Dichloropropene, Solid*	ND	U		0.89	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,1,2-Trichloroethane, Solid*	ND	U		0.75	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Tetrachloroethene, Solid*	ND	U		0.71	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,3-Dichloropropane, Solid*	ND	U		0.98	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	2-Hexanone, Solid*	ND	U		1.8	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Dibromochloromethane, Solid*	ND	U	*	0.73	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,2-Dibromoethane (EDB), Solid*	ND	U		0.80	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Chlorobenzene, Solid*	ND	U		0.96	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,1,1,2-Tetrachloroethane, Solid*	ND	U	*	0.77	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Ethylbenzene, Solid*	ND	U		1.2	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	m&p-Xylenes, Solid*	ND	U		2.2	11	1.00000	ug/Kg	63482		09/19/02 1130	jso
	o-Xylene, Solid*	ND	U		0.98	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-4
Date Sampled.....: 09/10/2002
Time Sampled.....: 16:50
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-4
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Styrene, Solid*	ND	U		1.1	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Bromoform, Solid*	ND	U	*	0.96	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Isopropylbenzene, Solid*	ND	U		0.79	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	Bromobenzene, Solid*	ND	U		0.75	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		0.68	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,2,3-Trichloropropane, Solid*	ND	U		1.2	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	n-Propylbenzene, Solid*	ND	U		0.91	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	2-Chlorotoluene, Solid*	ND	U		1.1	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,3,5-Trimethylbenzene, Solid*	ND	U		0.61	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	4-Chlorotoluene, Solid*	ND	U		0.81	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	tert-Butylbenzene, Solid*	ND	U		0.82	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,2,4-Trimethylbenzene, Solid*	ND	U		0.87	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	sec-Butylbenzene, Solid*	ND	U		0.85	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	p-Isopropyltoluene, Solid*	ND	U		0.72	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	n-Butylbenzene, Solid*	ND	U		0.89	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,2-Dibromo-3-chloropropane, Solid*	ND	U		1.2	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso
	1,2,3-Trichlorobenzene, Solid*	ND	U		1.0	5.3	1.00000	ug/Kg	63482		09/19/02 1130	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SGS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-5
Date Sampled.....: 09/10/2002
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-5
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	75.7			0.10	0.10	1	%	62415		09/12/02 0008	clb
	% Moisture, Solid	24.3			0.10	0.10	1	%	62415		09/12/02 0008	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.8	22	1.00000	ug/Kg	63718		09/25/02 0252	mgk
	Aroclor 1221, Solid*	ND		U	8.7	22	1.00000	ug/Kg	63718		09/25/02 0252	mgk
	Aroclor 1232, Solid*	ND		U	3.9	22	1.00000	ug/Kg	63718		09/25/02 0252	mgk
	Aroclor 1242, Solid*	ND		U	8.2	22	1.00000	ug/Kg	63718		09/25/02 0252	mgk
	Aroclor 1248, Solid*	ND		U	3.0	22	1.00000	ug/Kg	63718		09/25/02 0252	mgk
	Aroclor 1254, Solid*	ND		U	3.5	22	1.00000	ug/Kg	63718		09/25/02 0252	mgk
	Aroclor 1260, Solid*	ND		U	3.2	22	1.00000	ug/Kg	63718		09/25/02 0252	mgk
9014/9010B	Cyanide (Colorimetric)											
	Cyanide, Total, Solid*	ND		U	0.16	0.49	1	mg/Kg	63170		09/18/02 1444	rnm
4500PE	Phosphorous, All Forms											
	Phosphorous, Total as P, Solid*	510			11	65	10.00	mg/Kg	63806		09/25/02 1619	cvw
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	63654		09/18/02 0632	san
	RDX, Solid	ND		U	57	98	1.00000	ug/Kg	63654		09/18/02 0632	san
	1,3,5-Trinitrobenzene, Solid	ND		U	17	98	1.00000	ug/Kg	63654		09/18/02 0632	san
	1,3-Dinitrobenzene, Solid	ND		U	17	98	1.00000	ug/Kg	63654		09/18/02 0632	san
	Nitrobenzene, Solid	ND		U	22	98	1.00000	ug/Kg	63654		09/18/02 0632	san
	2,4,6-TNT, Solid	ND		U	33	98	1.00000	ug/Kg	63654		09/18/02 0632	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	63654		09/18/02 0632	san
	2,4-Dinitrotoluene, Solid	ND		U	35	98	1.00000	ug/Kg	63654		09/18/02 0632	san
	2,6-Dinitrotoluene, Solid	ND		U	47	200	1.00000	ug/Kg	63654		09/18/02 0632	san

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-5
Date Sampled.....: 09/10/2002
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-5
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U		35	200	1.00000	ug/Kg	63654		09/18/02 0632	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U		95	200	1.00000	ug/Kg	63654		09/18/02 0632	san
	2-Nitrotoluene, Solid	ND	U		33	200	1.00000	ug/Kg	63654		09/18/02 0632	san
	4-Nitrotoluene, Solid	ND	U		46	490	1.00000	ug/Kg	63654		09/18/02 0632	san
	3-Nitrotoluene, Solid	ND	U		49	200	1.00000	ug/Kg	63654		09/18/02 0632	san
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.039	B		0.0071	0.044	1	mg/Kg	63552		09/23/02 1228	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.1	17	1	mg/Kg	63630		09/23/02 1259	tds
	Antimony, Solid*	ND	U		0.78	1.7	1	mg/Kg	63630		09/23/02 1259	tds
	Arsenic, Solid*	5.2			0.44	0.87	1	mg/Kg	63630		09/23/02 1259	tds
	Barium, Solid*	210			0.14	0.87	1	mg/Kg	63630		09/23/02 1259	tds
	Beryllium, Solid*	0.40			0.038	0.35	1	mg/Kg	63630		09/23/02 1259	tds
	Cadmium, Solid*	ND	U		0.070	0.17	1	mg/Kg	63630		09/23/02 1259	tds
	Calcium, Solid*	6900			2.7	8.7	1	mg/Kg	63630		09/23/02 1259	tds
	Chromium, Solid*	19			0.19	0.87	1	mg/Kg	63630		09/23/02 1259	tds
	Cobalt, Solid*	5.9			0.12	0.44	1	mg/Kg	63630		09/23/02 1259	tds
	Copper, Solid*	16			0.78	0.87	1	mg/Kg	63630		09/23/02 1259	tds
	Iron, Solid*	20000			2.6	4.4	1	mg/Kg	63630		09/23/02 1259	tds
	Lead, Solid*	22			0.37	0.44	1	mg/Kg	63630		09/23/02 1259	tds
	Magnesium, Solid*	2700			1.5	8.7	1	mg/Kg	63630		09/23/02 1259	tds
	Manganese, Solid*	730			0.11	0.87	1	mg/Kg	63630		09/23/02 1259	tds
	Nickel, Solid*	20			0.22	0.87	1	mg/Kg	63630		09/23/02 1259	tds
	Potassium, Solid*	950			12	44	1	mg/Kg	63630		09/23/02 1259	tds
	Selenium, Solid*	ND	U		0.35	0.87	1	mg/Kg	63630		09/23/02 1259	tds
	Silver, Solid*	ND	U		0.27	0.44	1	mg/Kg	63630		09/23/02 1259	tds
	Sodium, Solid*	320			75	87	1	mg/Kg	63672		09/24/02 1256	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-5
Date Sampled.....: 09/10/2002
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-5
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Thallium, Solid*	ND	U		0.57	0.87	1	mg/Kg	63630		09/23/02 1259	tds
	Vanadium, Solid*	26			0.18	0.44	1	mg/Kg	63630		09/23/02 1259	tds
	Zinc, Solid*	47			0.35	1.7	1	mg/Kg	63630		09/23/02 1259	tds
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		110	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Bis(2-chloroethyl)ether, Solid*	ND	U		120	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	1,3-Dichlorobenzene, Solid*	ND	U		120	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	1,4-Dichlorobenzene, Solid*	ND	U		96	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	1,2-Dichlorobenzene, Solid*	ND	U		110	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Benzyl alcohol, Solid*	ND	U		130	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2-Methylphenol (o-cresol), Solid*	ND	U		160	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2,2-oxybis (1-chloropropane), Solid*	ND	U		220	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	n-Nitroso-di-n-propylamine, Solid*	ND	U		130	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Hexachloroethane, Solid*	ND	U		100	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	4-Methylphenol (m/p-cresol), Solid*	ND	U		150	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2-Chlorophenol, Solid*	ND	U		90	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Nitrobenzene, Solid*	ND	U		82	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Bis(2-chloroethoxy)methane, Solid*	ND	U		77	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	1,2,4-Trichlorobenzene, Solid*	ND	U		64	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Benzoic acid, Solid*	ND	U		220	2200	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Isophorone, Solid*	ND	U		65	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2,4-Dimethylphenol, Solid*	ND	U		290	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Hexachlorobutadiene, Solid*	ND	U		90	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Naphthalene, Solid*	ND	U		83	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2,4-Dichlorophenol, Solid*	ND	U		74	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	4-Chloroaniline, Solid*	ND	U		160	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2,4,6-Trichlorophenol, Solid*	ND	U		88	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2,4,5-Trichlorophenol, Solid*	ND	U		87	2200	1.00000	ug/Kg	63720		09/24/02 1623	dpk

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-5
Date Sampled.....: 09/10/2002
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-5
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Hexachlorocyclopentadiene, Solid*	ND	U		160	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2-Methylnaphthalene, Solid*	ND	U		310	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2-Nitroaniline, Solid*	ND	U		140	2200	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2-Chloronaphthalene, Solid*	ND	U		70	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	4-Chloro-3-methylphenol, Solid*	ND	U		110	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2,6-Dinitrotoluene, Solid*	ND	U		100	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2-Nitrophenol, Solid*	ND	U		100	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	3-Nitroaniline, Solid*	ND	U		180	2200	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Dimethyl phthalate, Solid*	ND	U		97	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2,4-Dinitrophenol, Solid*	ND	U		260	2200	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Acenaphthylene, Solid*	ND	U		71	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	2,4-Dinitrotoluene, Solid*	ND	U		96	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Acenaphthene, Solid*	150	J		69	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Dibenzofuran, Solid*	79	J		71	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	4-Nitrophenol, Solid*	ND	U		470	2200	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Fluorene, Solid*	200	J		130	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	4-Nitroaniline, Solid*	ND	U		180	2200	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	4-Bromophenyl phenyl ether, Solid*	ND	U		120	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Hexachlorobenzene, Solid*	ND	U		92	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Diethyl phthalate, Solid*	ND	U		120	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	4-Chlorophenyl phenyl ether, Solid*	ND	U		110	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Pentachlorophenol, Solid*	ND	U		240	2200	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	n-Nitrosodiphenylamine, Solid*	ND	U		140	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		180	2200	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Phenanthrene, Solid*	1700			90	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Anthracene, Solid*	330	J		95	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Carbazole, Solid*	160	J		110	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Di-n-butyl phthalate, Solid*	ND	U		93	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Benzidine, Solid*	ND	U	*	2600	4300	1.00000	ug/Kg	63720		09/24/02 1623	dpk

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-5
Date Sampled.....: 09/10/2002
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-5
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Fluoranthene, Solid*	1900			120	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Pyrene, Solid*	1700			190	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Butyl benzyl phthalate, Solid*	ND	U		150	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Benzo(a)anthracene, Solid*	770			69	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Chrysene, Solid*	900			52	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	3,3-Dichlorobenzidine, Solid*	ND	U		150	870	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		150	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Di-n-octyl phthalate, Solid*	ND	U		350	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Benzo(b)fluoranthene, Solid*	710			140	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Benzo(k)fluoranthene, Solid*	640			150	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Benzo(a)pyrene, Solid*	670			75	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Indeno(1,2,3-cd)pyrene, Solid*	470			150	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Dibenzo(a,h)anthracene, Solid*	ND	U		150	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
	Benzo(ghi)perylene, Solid*	530			200	430	1.00000	ug/Kg	63720		09/24/02 1623	dpk
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U	*	0.84	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Chloromethane, Solid*	ND	U		1.1	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Vinyl chloride, Solid*	ND	U		0.83	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Bromomethane, Solid*	ND	U		3.3	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Chloroethane, Solid*	ND	U		1.8	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Trichlorofluoromethane, Solid*	ND	U		0.80	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,1-Dichloroethene, Solid*	ND	U		1.1	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Carbon disulfide, Solid*	ND	U		2.2	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Acetone, Solid*	13			4.6	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Methylene chloride, Solid*	ND	U		2.0	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	trans-1,2-Dichloroethene, Solid*	ND	U		1.1	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		0.72	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,1-Dichloroethane, Solid*	ND	U		0.99	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-5
Date Sampled.....: 09/10/2002
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-5
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,2-Dichloropropane, Solid*	ND	U		1.5	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	2-Butanone (MEK), Solid*	ND	U		4.7	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Bromochloromethane, Solid*	ND	U		1.1	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Chloroform, Solid*	ND	U		0.70	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,1,1-Trichloroethane, Solid*	ND	U		0.68	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,1-Dichloropropene, Solid*	ND	U		0.90	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Carbon tetrachloride, Solid*	ND	U		0.93	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Benzene, Solid*	ND	U		0.74	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,2-Dichloroethane, Solid*	ND	U		0.65	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Trichloroethene, Solid*	ND	U		0.66	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,2-Dichloropropane, Solid*	ND	U		1.1	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Dibromomethane, Solid*	ND	U		0.77	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Bromodichloromethane, Solid*	ND	U		0.76	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	cis-1,3-Dichloropropene, Solid*	ND	U		0.89	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		3.4	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Toluene, Solid*	ND	U		1.1	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	trans-1,3-Dichloropropene, Solid*	ND	U		0.94	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,1,2-Trichloroethane, Solid*	ND	U		0.80	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Tetrachloroethene, Solid*	ND	U		0.75	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,3-Dichloropropane, Solid*	ND	U		1.0	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	2-Hexanone, Solid*	ND	U		1.9	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Dibromochloromethane, Solid*	ND	U	*	0.77	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,2-Dibromoethane (EDB), Solid*	ND	U		0.85	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Chlorobenzene, Solid*	ND	U		1.0	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,1,1,2-Tetrachloroethane, Solid*	ND	U	*	0.82	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Ethylbenzene, Solid*	ND	U		1.2	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	m&p-Xylenes, Solid*	ND	U		2.4	11	1.00000	ug/Kg	63482		09/19/02 1325	jso
	o-Xylene, Solid*	ND	U		1.0	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso

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SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 105-5
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Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-5
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Styrene, Solid*	ND	U		1.1	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Bromoform, Solid*	ND	U	*	1.0	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Isopropylbenzene, Solid*	ND	U		0.84	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	Bromobenzene, Solid*	ND	U		0.80	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		0.72	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,2,3-Trichloropropane, Solid*	ND	U		1.2	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	n-Propylbenzene, Solid*	ND	U		0.96	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	2-Chlorotoluene, Solid*	ND	U		1.1	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,3,5-Trimethylbenzene, Solid*	ND	U		0.65	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	4-Chlorotoluene, Solid*	ND	U		0.86	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	tert-Butylbenzene, Solid*	ND	U		0.87	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,2,4-Trimethylbenzene, Solid*	ND	U		0.92	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	sec-Butylbenzene, Solid*	ND	U		0.91	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	p-Isopropyltoluene, Solid*	ND	U		0.76	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	n-Butylbenzene, Solid*	ND	U		0.94	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,2-Dibromo-3-chloropropane, Solid*	ND	U		1.2	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso
	1,2,3-Trichlorobenzene, Solid*	ND	U		1.1	5.6	1.00000	ug/Kg	63482		09/19/02 1325	jso

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 101-1
Date Sampled.....: 09/10/2002
Time Sampled.....: 18:25
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-6
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	90.4			0.10	0.10	1	%	62415		09/12/02 0008	clb
	% Moisture, Solid	9.6			0.10	0.10	1	%	62415		09/12/02 0008	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND	U		3.2	18	1.00000	ug/Kg	63718		09/25/02 0325	mgk
	Aroclor 1221, Solid*	ND	U		7.3	18	1.00000	ug/Kg	63718		09/25/02 0325	mgk
	Aroclor 1232, Solid*	ND	U		3.3	18	1.00000	ug/Kg	63718		09/25/02 0325	mgk
	Aroclor 1242, Solid*	ND	U		6.9	18	1.00000	ug/Kg	63718		09/25/02 0325	mgk
	Aroclor 1248, Solid*	ND	U		2.5	18	1.00000	ug/Kg	63718		09/25/02 0325	mgk
	Aroclor 1254, Solid*	ND	U		3.0	18	1.00000	ug/Kg	63718		09/25/02 0325	mgk
	Aroclor 1260, Solid*	ND	U		2.7	18	1.00000	ug/Kg	63718		09/25/02 0325	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND	U		110	250	1.00000	ug/Kg	63654		09/18/02 0737	san
	RDX, Solid	ND	U		58	99	1.00000	ug/Kg	63654		09/18/02 0737	san
	1,3,5-Trinitrobenzene, Solid	ND	U		17	99	1.00000	ug/Kg	63654		09/18/02 0737	san
	1,3-Dinitrobenzene, Solid	ND	U		18	99	1.00000	ug/Kg	63654		09/18/02 0737	san
	Nitrobenzene, Solid	ND	U		22	99	1.00000	ug/Kg	63654		09/18/02 0737	san
	2,4,6-TNT, Solid	ND	U		33	99	1.00000	ug/Kg	63654		09/18/02 0737	san
	Tetryl, Solid	ND	U		43	200	1.00000	ug/Kg	63654		09/18/02 0737	san
	2,4-Dinitrotoluene, Solid	ND	U		35	99	1.00000	ug/Kg	63654		09/18/02 0737	san
	2,6-Dinitrotoluene, Solid	ND	U		47	200	1.00000	ug/Kg	63654		09/18/02 0737	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U		36	200	1.00000	ug/Kg	63654		09/18/02 0737	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U		96	200	1.00000	ug/Kg	63654		09/18/02 0737	san
	2-Nitrotoluene, Solid	ND	U		33	200	1.00000	ug/Kg	63654		09/18/02 0737	san
	4-Nitrotoluene, Solid	ND	U		46	500	1.00000	ug/Kg	63654		09/18/02 0737	san
	3-Nitrotoluene, Solid	ND	U		50	200	1.00000	ug/Kg	63654		09/18/02 0737	san

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 101-1
Date Sampled.....: 09/10/2002
Time Sampled.....: 18:25
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-6
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.053			0.0060	0.037	1	mg/Kg	63552		09/23/02 1230	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			1.7	14	1	mg/Kg	63630		09/23/02 1305	tds
	Antimony, Solid*	ND	U		0.63	1.4	1	mg/Kg	63630		09/23/02 1305	tds
	Arsenic, Solid*	9.1			0.36	0.70	1	mg/Kg	63630		09/23/02 1305	tds
	Barium, Solid*	150			0.11	0.70	1	mg/Kg	63630		09/23/02 1305	tds
	Beryllium, Solid*	0.43			0.031	0.28	1	mg/Kg	63630		09/23/02 1305	tds
	Cadmium, Solid*	0.19			0.056	0.14	1	mg/Kg	63630		09/23/02 1305	tds
	Calcium, Solid*	3200			2.2	7.0	1	mg/Kg	63630		09/23/02 1305	tds
	Chromium, Solid*	18			0.15	0.70	1	mg/Kg	63630		09/23/02 1305	tds
	Cobalt, Solid*	9.2			0.098	0.35	1	mg/Kg	63630		09/23/02 1305	tds
	Copper, Solid*	18			0.63	0.70	1	mg/Kg	63630		09/23/02 1305	tds
	Iron, Solid*	18000			2.1	3.5	1	mg/Kg	63630		09/23/02 1305	tds
	Lead, Solid*	31			0.30	0.35	1	mg/Kg	63630		09/23/02 1305	tds
	Magnesium, Solid*	2600			1.2	7.0	1	mg/Kg	63630		09/23/02 1305	tds
	Manganese, Solid*	800			0.091	0.70	1	mg/Kg	63672		09/24/02 1303	tds
	Nickel, Solid*	19			0.18	0.70	1	mg/Kg	63630		09/23/02 1305	tds
	Potassium, Solid*	1400			9.7	35	1	mg/Kg	63630		09/23/02 1305	tds
	Selenium, Solid*	ND	U		0.28	0.70	1	mg/Kg	63630		09/23/02 1305	tds
	Silver, Solid*	ND	U		0.22	0.35	1	mg/Kg	63630		09/23/02 1305	tds
	Sodium, Solid*	230			61	70	1	mg/Kg	63672		09/24/02 1303	tds
	Thallium, Solid*	ND	U		0.46	0.70	1	mg/Kg	63630		09/23/02 1305	tds
	Vanadium, Solid*	32			0.15	0.35	1	mg/Kg	63630		09/23/02 1305	tds
	Zinc, Solid*	64			0.28	1.4	1	mg/Kg	63630		09/23/02 1305	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 101-2
Date Sampled.....: 09/10/2002
Time Sampled.....: 18:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-7
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	89.1			0.10	0.10	1	%	62415		09/12/02 0008	clb
	% Moisture, Solid	10.9			0.10	0.10	1	%	62415		09/12/02 0008	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.2	19	1.00000	ug/Kg	63718		09/25/02 0357	mgk
	Aroclor 1221, Solid*	ND		U	7.5	19	1.00000	ug/Kg	63718		09/25/02 0357	mgk
	Aroclor 1232, Solid*	ND		U	3.4	19	1.00000	ug/Kg	63718		09/25/02 0357	mgk
	Aroclor 1242, Solid*	ND		U	7.0	19	1.00000	ug/Kg	63718		09/25/02 0357	mgk
	Aroclor 1248, Solid*	ND		U	2.6	19	1.00000	ug/Kg	63718		09/25/02 0357	mgk
	Aroclor 1254, Solid*	ND		U	3.0	19	1.00000	ug/Kg	63718		09/25/02 0357	mgk
	Aroclor 1260, Solid*	ND		U	2.8	19	1.00000	ug/Kg	63718		09/25/02 0357	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	63654		09/18/02 0842	san
	RDX, Solid	ND		U	58	100	1.00000	ug/Kg	63654		09/18/02 0842	san
	1,3,5-Trinitrobenzene, Solid	ND		U	17	100	1.00000	ug/Kg	63654		09/18/02 0842	san
	1,3-Dinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	63654		09/18/02 0842	san
	Nitrobenzene, Solid	ND		U	22	100	1.00000	ug/Kg	63654		09/18/02 0842	san
	2,4,6-TNT, Solid	ND		U	34	100	1.00000	ug/Kg	63654		09/18/02 0842	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	63654		09/18/02 0842	san
	2,4-Dinitrotoluene, Solid	ND		U	35	100	1.00000	ug/Kg	63654		09/18/02 0842	san
	2,6-Dinitrotoluene, Solid	ND		U	47	200	1.00000	ug/Kg	63654		09/18/02 0842	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND		U	36	200	1.00000	ug/Kg	63654		09/18/02 0842	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND		U	97	200	1.00000	ug/Kg	63654		09/18/02 0842	san
	2-Nitrotoluene, Solid	ND		U	33	200	1.00000	ug/Kg	63654		09/18/02 0842	san
	4-Nitrotoluene, Solid	ND		U	46	500	1.00000	ug/Kg	63654		09/18/02 0842	san
	3-Nitrotoluene, Solid	ND		U	50	200	1.00000	ug/Kg	63654		09/18/02 0842	san

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 101-2
Date Sampled.....: 09/10/2002
Time Sampled.....: 18:30
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-7
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.038			0.0061	0.037	1	mg/Kg	63552		09/23/02 1232	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			1.7	14	1	mg/Kg	63630		09/23/02 1312	tds
	Antimony, Solid*	ND	U		0.62	1.4	1	mg/Kg	63630		09/23/02 1312	tds
	Arsenic, Solid*	8.5			0.35	0.69	1	mg/Kg	63630		09/23/02 1312	tds
	Barium, Solid*	140			0.11	0.69	1	mg/Kg	63630		09/23/02 1312	tds
	Beryllium, Solid*	0.44			0.030	0.28	1	mg/Kg	63630		09/23/02 1312	tds
	Cadmium, Solid*	0.20			0.055	0.14	1	mg/Kg	63630		09/23/02 1312	tds
	Calcium, Solid*	4800			2.1	6.9	1	mg/Kg	63630		09/23/02 1312	tds
	Chromium, Solid*	19			0.15	0.69	1	mg/Kg	63630		09/23/02 1312	tds
	Cobalt, Solid*	8.3			0.097	0.35	1	mg/Kg	63630		09/23/02 1312	tds
	Copper, Solid*	17			0.62	0.69	1	mg/Kg	63630		09/23/02 1312	tds
	Iron, Solid*	18000			2.1	3.5	1	mg/Kg	63630		09/23/02 1312	tds
	Lead, Solid*	25			0.30	0.35	1	mg/Kg	63630		09/23/02 1312	tds
	Magnesium, Solid*	2900			1.2	6.9	1	mg/Kg	63630		09/23/02 1312	tds
	Manganese, Solid*	750			0.090	0.69	1	mg/Kg	63672		09/24/02 1309	tds
	Nickel, Solid*	19			0.17	0.69	1	mg/Kg	63630		09/23/02 1312	tds
	Potassium, Solid*	1300			9.5	35	1	mg/Kg	63630		09/23/02 1312	tds
	Selenium, Solid*	ND	U		0.28	0.69	1	mg/Kg	63630		09/23/02 1312	tds
	Silver, Solid*	ND	U		0.21	0.35	1	mg/Kg	63630		09/23/02 1312	tds
	Sodium, Solid*	840			60	69	1	mg/Kg	63672		09/24/02 1309	tds
	Thallium, Solid*	ND	U		0.46	0.69	1	mg/Kg	63630		09/23/02 1312	tds
	Vanadium, Solid*	31			0.15	0.35	1	mg/Kg	63630		09/23/02 1312	tds
	Zinc, Solid*	56			0.28	1.4	1	mg/Kg	63630		09/23/02 1312	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 101-3
Date Sampled.....: 09/10/2002
Time Sampled.....: 18:40
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-8
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.0			0.10	0.10	1	%	62415		09/12/02 0008	clb
	% Moisture, Solid	5.0			0.10	0.10	1	%	62415		09/12/02 0008	clb
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.038			0.0057	0.035	1	mg/Kg	63552		09/23/02 1235	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9900			1.6	13	1	mg/Kg	63630		09/23/02 1318	tds
	Antimony, Solid*	ND	U		0.60	1.3	1	mg/Kg	63630		09/23/02 1318	tds
	Arsenic, Solid*	10			0.34	0.66	1	mg/Kg	63630		09/23/02 1318	tds
	Barium, Solid*	130			0.11	0.66	1	mg/Kg	63630		09/23/02 1318	tds
	Beryllium, Solid*	0.51			0.029	0.26	1	mg/Kg	63630		09/23/02 1318	tds
	Cadmium, Solid*	0.33			0.053	0.13	1	mg/Kg	63630		09/23/02 1318	tds
	Calcium, Solid*	11000			2.1	6.6	1	mg/Kg	63630		09/23/02 1318	tds
	Chromium, Solid*	21			0.15	0.66	1	mg/Kg	63630		09/23/02 1318	tds
	Cobalt, Solid*	6.9			0.093	0.33	1	mg/Kg	63630		09/23/02 1318	tds
	Copper, Solid*	16			0.60	0.66	1	mg/Kg	63630		09/23/02 1318	tds
	Iron, Solid*	17000			2.0	3.3	1	mg/Kg	63630		09/23/02 1318	tds
	Lead, Solid*	25			0.28	0.33	1	mg/Kg	63630		09/23/02 1318	tds
	Magnesium, Solid*	4200			1.1	6.6	1	mg/Kg	63630		09/23/02 1318	tds
	Manganese, Solid*	530			0.086	0.66	1	mg/Kg	63630		09/23/02 1318	tds
	Nickel, Solid*	15			0.17	0.66	1	mg/Kg	63630		09/23/02 1318	tds
	Potassium, Solid*	1100			9.1	33	1	mg/Kg	63630		09/23/02 1318	tds
	Selenium, Solid*	ND	U		0.26	0.66	1	mg/Kg	63630		09/23/02 1318	tds
	Silver, Solid*	ND	U		0.21	0.33	1	mg/Kg	63630		09/23/02 1318	tds
	Sodium, Solid*	630			57	66	1	mg/Kg	63672		09/24/02 1315	tds
	Thallium, Solid*	ND	U		0.44	0.66	1	mg/Kg	63630		09/23/02 1318	tds
	Vanadium, Solid*	35			0.14	0.33	1	mg/Kg	63630		09/23/02 1318	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 101-3
Date Sampled.....: 09/10/2002
Time Sampled.....: 18:40
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-8
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	54			0.26	1.3	1	mg/Kg	63630		09/23/02 1318	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927 Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 101-4
Date Sampled.....: 09/10/2002
Time Sampled.....: 18:50
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-9
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	91.5			0.10	0.10	1	%	62415		09/12/02 0008	clb
	% Moisture, Solid	8.5			0.10	0.10	1	%	62415		09/12/02 0008	clb
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.089			0.0059	0.036	1	mg/Kg	63552		09/23/02 1237	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			1.7	14	1	mg/Kg	63630		09/23/02 1324	tds
	Antimony, Solid*	ND	U		0.64	1.4	1	mg/Kg	63630		09/23/02 1324	tds
	Arsenic, Solid*	8.5			0.36	0.71	1	mg/Kg	63630		09/23/02 1324	tds
	Barium, Solid*	160			0.11	0.71	1	mg/Kg	63630		09/23/02 1324	tds
	Beryllium, Solid*	0.44			0.031	0.28	1	mg/Kg	63630		09/23/02 1324	tds
	Cadmium, Solid*	0.47			0.057	0.14	1	mg/Kg	63630		09/23/02 1324	tds
	Calcium, Solid*	4000			2.2	7.1	1	mg/Kg	63630		09/23/02 1324	tds
	Chromium, Solid*	24			0.16	0.71	1	mg/Kg	63630		09/23/02 1324	tds
	Cobalt, Solid*	7.6			0.099	0.35	1	mg/Kg	63630		09/23/02 1324	tds
	Copper, Solid*	22			0.64	0.71	1	mg/Kg	63630		09/23/02 1324	tds
	Iron, Solid*	18000			2.1	3.5	1	mg/Kg	63630		09/23/02 1324	tds
	Lead, Solid*	68			0.30	0.35	1	mg/Kg	63630		09/23/02 1324	tds
	Magnesium, Solid*	2400			1.2	7.1	1	mg/Kg	63630		09/23/02 1324	tds
	Manganese, Solid*	600			0.092	0.71	1	mg/Kg	63630		09/23/02 1324	tds
	Nickel, Solid*	18			0.18	0.71	1	mg/Kg	63630		09/23/02 1324	tds
	Potassium, Solid*	1600			9.8	35	1	mg/Kg	63630		09/23/02 1324	tds
	Selenium, Solid*	ND	U		0.28	0.71	1	mg/Kg	63630		09/23/02 1324	tds
	Silver, Solid*	ND	U		0.22	0.35	1	mg/Kg	63630		09/23/02 1324	tds
	Sodium, Solid*	200			61	71	1	mg/Kg	63672		09/24/02 1321	tds
	Thallium, Solid*	ND	U		0.47	0.71	1	mg/Kg	63630		09/23/02 1324	tds
	Vanadium, Solid*	31			0.15	0.35	1	mg/Kg	63630		09/23/02 1324	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

LABORATORY TEST RESULTS

Job Number: 211927

Date:09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 101-4
Date Sampled.....: 09/10/2002
Time Sampled.....: 18:50
Sample Matrix.....: Soil

Laboratory Sample ID: 211927-9
Date Received.....: 09/11/2002
Time Received.....: 08:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	87			0.28	1.4	1	mg/Kg	63630		09/23/02 1324	tds

* In Description = Dry Wgt.

SEVERN TRENT SERVICES

STL Chicago

LABORATORY CHRONICLE

Job Number: 211927 Date: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Lab ID: 211927-1 Client ID: 105-1 Date Recvd: 09/11/2002 Sample Date: 09/10/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	62415		09/12/2002 0008	
5035	5035 Archon Closed Purge & Trap	1	63292		09/19/2002 1159	
5035	5035 Preservation High (Methanol)	1	63412		09/11/2002 2259	
5035	5035 Preservation Low	1	63411		09/11/2002 2259	
8330	8330 Extraction (Explosives)	1	62869		09/16/2002 2130	
3050B	Acid Digestion: Solids (ICAP)	1	62896		09/17/2002 0935	
9014/9010B	Cyanide (Colorimetric)	1	63170	63170	09/18/2002 1443	
EDD	Electronic Data Deliverable	1				
8330	Explosives by 8330 (HPLC)	1	63654	62869	09/17/2002 2330	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	62701		09/14/2002 0830	
3550B	Extraction Ultrasonic (SVOC)	1	62700		09/14/2002 0815	
7471A	Mercury (CVAA) Solids	1	63552	63433	09/23/2002 1210	
6010B	Metals Analysis (ICAP Trace)	1	63630	62896	09/23/2002 1151	
6010B	Metals Analysis (ICAP Trace)	1	63672	62896	09/24/2002 1146	
8082	PCB Analysis	1	63718	62701	09/24/2002 2304	1.00000
4500PE	Phosphorous, All Forms	1	63806	63806	09/25/2002 1617	10.00
7470/7471	SW846 Digestion (Hg)	1	63433		09/23/2002 1045	
8270C	Semivolatile Organics	1	63720	62700	09/21/2002 0010	1.00000
8260B	Volatile Organics	1	63482	63411 -63292	09/19/2002 1159	1.00000

Lab ID: 211927-2 Client ID: 105-2 Date Recvd: 09/11/2002 Sample Date: 09/10/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	62415		09/12/2002 0008	
5035	5035 Archon Closed Purge & Trap	1	63292		09/19/2002 1102	
5035	5035 Preservation High (Methanol)	1	63412		09/11/2002 2301	
5035	5035 Preservation Low	1	63411		09/11/2002 2301	
8330	8330 Extraction (Explosives)	1	62869		09/16/2002 2130	
3050B	Acid Digestion: Solids (ICAP)	1	62896		09/17/2002 0935	
9014/9010B	Cyanide (Colorimetric)	1	63170	63170	09/18/2002 1444	
8330	Explosives by 8330 (HPLC)	1	63654	62869	09/18/2002 0245	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	62701		09/14/2002 0830	
3550B	Extraction Ultrasonic (SVOC)	1	62700		09/14/2002 0815	
7471A	Mercury (CVAA) Solids	1	63552	63433	09/23/2002 1221	
6010B	Metals Analysis (ICAP Trace)	1	63630	62896	09/23/2002 1222	
6010B	Metals Analysis (ICAP Trace)	1	63672	62896	09/24/2002 1219	
8082	PCB Analysis	1	63718	62701	09/25/2002 0041	1.00000
4500PE	Phosphorous, All Forms	1	63806	63806	09/25/2002 1617	20.00
7470/7471	SW846 Digestion (Hg)	1	63433		09/23/2002 1045	
8270C	Semivolatile Organics	1	63720	62700	09/21/2002 0042	1.00000
8260B	Volatile Organics	1	63482	63411 -63292	09/19/2002 1102	1.00000

Lab ID: 211927-3 Client ID: 105-3 Date Recvd: 09/11/2002 Sample Date: 09/10/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	62415		09/12/2002 0008	
5035	5035 Archon Closed Purge & Trap	1	63292		09/19/2002 1227	
5035	5035 Preservation High (Methanol)	1	63412		09/11/2002 2303	
5035	5035 Preservation Low	1	63411		09/11/2002 2303	
8330	8330 Extraction (Explosives)	1	62869		09/16/2002 2130	
3050B	Acid Digestion: Solids (ICAP)	1	62896		09/17/2002 0935	
9014/9010B	Cyanide (Colorimetric)	1	63170	63170	09/18/2002 1444	
8330	Explosives by 8330 (HPLC)	1	63654	62869	09/18/2002 0422	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	62701		09/14/2002 0830	
3550B	Extraction Ultrasonic (SVOC)	1	62700		09/14/2002 0815	
3550B	Extraction Ultrasonic (SVOC)	2	63295		09/20/2002 0815	
7471A	Mercury (CVAA) Solids	1	63552	63433	09/23/2002 1223	

LABORATORY CHRONICLE

Job Number: 211927 Date: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Lab ID: 211927-3 Client ID: 105-3 Date Recvd: 09/11/2002 Sample Date: 09/10/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
6010B	Metals Analysis (ICAP Trace)	1	63630	62896	09/23/2002	1228	
6010B	Metals Analysis (ICAP Trace)	1	63672	62896	09/24/2002	1225	
8082	PCB Analysis	1	63718	62701	09/25/2002	0114	1.00000
4500PE	Phosphorous, All Forms	1	63806	63806	09/25/2002	1618	10.00
7470/7471	SW846 Digestion (Hg)	1	63433		09/23/2002	1045	
8270C	Semivolatile Organics	1	63721	63295	09/20/2002	2233	1.00000
8270C	Semivolatile Organics	1	63721	63295	09/24/2002	1518	4.00000
8260B	Volatile Organics	1	63482	63411 -63292	09/19/2002	1227	1.00000

Lab ID: 211927-4 Client ID: 105-4 Date Recvd: 09/11/2002 Sample Date: 09/10/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	62415		09/12/2002	0008	
5035	5035 Archon Closed Purge & Trap	1	63292		09/19/2002	1130	
5035	5035 Preservation High (Methanol)	1	63412		09/11/2002	2306	
5035	5035 Preservation Low	1	63411		09/11/2002	2305	
8330	8330 Extraction (Explosives)	1	62869		09/16/2002	2130	
3050B	Acid Digestion: Solids (ICAP)	1	62896		09/17/2002	0935	
9014/9010B	Cyanide (Colorimetric)	1	63170	63170	09/18/2002	1444	
8330	Explosives by 8330 (HPLC)	1	63654	62869	09/18/2002	0527	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	62701		09/14/2002	0830	
3550B	Extraction Ultrasonic (SVOC)	1	62700		09/14/2002	0815	
7471A	Mercury (CVAA) Solids	1	63552	63433	09/23/2002	1226	
6010B	Metals Analysis (ICAP Trace)	1	63630	62896	09/23/2002	1234	
6010B	Metals Analysis (ICAP Trace)	1	63672	62896	09/24/2002	1231	
8082	PCB Analysis	1	63718	62701	09/25/2002	0147	1.00000
4500PE	Phosphorous, All Forms	1	63806	63806	09/25/2002	1618	20.00
7470/7471	SW846 Digestion (Hg)	1	63433		09/23/2002	1045	
8270C	Semivolatile Organics	1	63720	62700	09/24/2002	1551	1.00000
8260B	Volatile Organics	1	63482	63411 -63292	09/19/2002	1130	1.00000

Lab ID: 211927-5 Client ID: 105-5 Date Recvd: 09/11/2002 Sample Date: 09/10/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	62415		09/12/2002	0008	
5035	5035 Archon Closed Purge & Trap	1	63292		09/19/2002	1325	
5035	5035 Preservation High (Methanol)	1	63412		09/11/2002	2308	
5035	5035 Preservation Low	1	63411		09/11/2002	2306	
8330	8330 Extraction (Explosives)	1	62869		09/16/2002	2130	
3050B	Acid Digestion: Solids (ICAP)	1	62896		09/17/2002	0935	
9014/9010B	Cyanide (Colorimetric)	1	63170	63170	09/18/2002	1444	
8330	Explosives by 8330 (HPLC)	1	63654	62869	09/18/2002	0632	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	62701		09/14/2002	0830	
3550B	Extraction Ultrasonic (SVOC)	1	62700		09/14/2002	0815	
7471A	Mercury (CVAA) Solids	1	63552	63433	09/23/2002	1228	
6010B	Metals Analysis (ICAP Trace)	1	63630	62896	09/23/2002	1259	
6010B	Metals Analysis (ICAP Trace)	1	63672	62896	09/24/2002	1256	
8082	PCB Analysis	1	63718	62701	09/25/2002	0252	1.00000
4500PE	Phosphorous, All Forms	1	63806	63806	09/25/2002	1619	10.00
7470/7471	SW846 Digestion (Hg)	1	63433		09/23/2002	1045	
8270C	Semivolatile Organics	1	63720	62700	09/24/2002	1623	1.00000
8260B	Volatile Organics	1	63482	63411 -63292	09/19/2002	1325	1.00000

Lab ID: 211927-6 Client ID: 101-1 Date Recvd: 09/11/2002 Sample Date: 09/10/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	62415		09/12/2002	0008	
8330	8330 Extraction (Explosives)	1	62869		09/16/2002	2130	

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LABORATORY CHRONICLE

Job Number: 211927 — Date: 09/26/2002

CUSTOMER: SCS Engineers, Inc. — PROJECT: GSA - SLOP — ATTN: David Brewer

Lab ID: 211927-6 Client ID: 101-1 — Date Recvd: 09/11/2002 Sample Date: 09/10/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3050B	Acid Digestion: Solids (ICAP)	1	62896		09/17/2002	0935	
8330	Explosives by 8330 (HPLC)	1	63654	62869	09/18/2002	0737	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	62701		09/14/2002	0830	
7471A	Mercury (CVAA) Solids	1	63552	63433	09/23/2002	1230	
6010B	Metals Analysis (ICAP Trace)	1	63630	62896	09/23/2002	1305	
6010B	Metals Analysis (ICAP Trace)	1	63672	62896	09/24/2002	1303	
8082	PCB Analysis	1	63718	62701	09/25/2002	0325	1.00000
7470/7471	SW846 Digestion (Hg)	1	63433		09/23/2002	1045	

Lab ID: 211927-7 Client ID: 101-2 — Date Recvd: 09/11/2002 Sample Date: 09/10/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	62415		09/12/2002	0008	
8330	8330 Extraction (Explosives)	1	62869		09/16/2002	2130	
3050B	Acid Digestion: Solids (ICAP)	1	62896		09/17/2002	0935	
8330	Explosives by 8330 (HPLC)	1	63654	62869	09/18/2002	0842	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	62701		09/14/2002	0830	
7471A	Mercury (CVAA) Solids	1	63552	63433	09/23/2002	1232	
6010B	Metals Analysis (ICAP Trace)	1	63630	62896	09/23/2002	1312	
6010B	Metals Analysis (ICAP Trace)	1	63672	62896	09/24/2002	1309	
8082	PCB Analysis	1	63718	62701	09/25/2002	0357	1.00000
7470/7471	SW846 Digestion (Hg)	1	63433		09/23/2002	1045	

Lab ID: 211927-8 Client ID: 101-3 — Date Recvd: 09/11/2002 Sample Date: 09/10/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	62415		09/12/2002	0008	
3050B	Acid Digestion: Solids (ICAP)	1	62896		09/17/2002	0935	
7471A	Mercury (CVAA) Solids	1	63552	63433	09/23/2002	1235	
6010B	Metals Analysis (ICAP Trace)	1	63630	62896	09/23/2002	1318	
6010B	Metals Analysis (ICAP Trace)	1	63672	62896	09/24/2002	1315	
7470/7471	SW846 Digestion (Hg)	1	63433		09/23/2002	1045	

Lab ID: 211927-9 Client ID: 101-4 — Date Recvd: 09/11/2002 Sample Date: 09/10/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	62415		09/12/2002	0008	
3050B	Acid Digestion: Solids (ICAP)	1	62896		09/17/2002	0935	
7471A	Mercury (CVAA) Solids	1	63552	63433	09/23/2002	1237	
6010B	Metals Analysis (ICAP Trace)	1	63630	62896	09/23/2002	1324	
6010B	Metals Analysis (ICAP Trace)	1	63672	62896	09/24/2002	1321	
7470/7471	SW846 Digestion (Hg)	1	63433		09/23/2002	1045	

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STL Chicago

SURROGATE RECOVERIES REPORT

Job Number.: 211927 — Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. — PROJECT: GSA - SLOP — ATTN: David Brewer

Method.....: PCB Analysis — Method Code...: 8082 — Prep Batch....: 62701
Batch(s).....: 63718 — Test Matrix...: Solid — Equipment Code: INST0708

Lab ID	DT	Sample ID	Date	DCB	TCX
LCS			09/24/2002	81	65
MB			09/24/2002	78	66
211927- 1		105-1	09/24/2002	72	71
211927- 1	MS	105-1	09/24/2002	68	75
211927- 1	MSD	105-1	09/25/2002	79	77
211927- 2		105-2	09/25/2002	77	70
211927- 3		105-3	09/25/2002	70	58
211927- 4		105-4	09/25/2002	77	67
211927- 5		105-5	09/25/2002	75	67
211927- 6		101-1	09/25/2002	79	66
211927- 7		101-2	09/25/2002	76	68

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	24 - 154
TCX	Tetrachloro-m-xylene (surr)	25 - 138

SURROGATE RECOVERIES REPORT

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Method.....: Volatile Organics Method Code...: 8260B Prep Batch....: 62817
Batch(s).....: 63482 Test Matrix...: Solid Equipment Code: GCL5

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			09/15/2002	107	107	104	106
MB			09/15/2002	97	104	101	103

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	50 - 145
BRFLBE	4-Bromofluorobenzene (surr)	60 - 140
DBRFLM	Dibromofluoromethane (surr)	60 - 140
TOLD8	Toluene-d8 (surr)	66 - 141

Method.....: Volatile Organics Method Code...: 8260B Prep Batch....: 63292
Batch(s).....: 63482 Test Matrix...: Solid Equipment Code: GCL5

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			09/19/2002	102	108	98	115
MB			09/19/2002	94	91	95	110

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	50 - 145
BRFLBE	4-Bromofluorobenzene (surr)	60 - 140
DBRFLM	Dibromofluoromethane (surr)	60 - 140
TOLD8	Toluene-d8 (surr)	66 - 141

Method.....: Volatile Organics Method Code...: 8260B Prep Batch....: 63411
Batch(s).....: 63482 Test Matrix...: Solid Equipment Code: GCL5

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			09/15/2002	108	104	103	102
EB3			09/15/2002	102	105	104	103
211927- 1		105-1	09/19/2002	96	93	94	111
211927- 2		105-2	09/19/2002	109	90	105	110
211927- 3		105-3	09/19/2002	96	94	93	110
211927- 4		105-4	09/19/2002	104	94	104	113
211927- 5		105-5	09/19/2002	101	97	101	117

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	50 - 145
BRFLBE	4-Bromofluorobenzene (surr)	60 - 140
DBRFLM	Dibromofluoromethane (surr)	60 - 140
TOLD8	Toluene-d8 (surr)	66 - 141

SURROGATE RECOVERIES REPORT

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 62700
Batch(s).....: 63720 Test Matrix...: Solid Equipment Code: GCL4

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCS			09/19/2002	80	73	65	64	70	77
MB			09/19/2002	58	78	66	76	75	102
211927- 1		105-1	09/21/2002	68	67	47	46	60	90
211927- 2		105-2	09/21/2002	72	76	61	73	77	92
211927- 4		105-4	09/24/2002	57	60	51	57	63	68
211927- 5		105-5	09/24/2002	74	68	60	62	74	83

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	41 - 126
2FLUBP	2-Fluorobiphenyl (surr)	38 - 121
2FLUPH	2-Fluorophenol (surr)	37 - 113
NITRD5	Nitrobenzene-d5 (surr)	31 - 120
PHEND5	Phenol-d5 (surr)	44 - 113
TERD14	Terphenyl-d14 (surr)	43 - 121

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 63295
Batch(s).....: 63721 Test Matrix...: Solid Equipment Code: GCL4

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCD			09/20/2002	104	88	84	88	85	99
LCS			09/20/2002	102	88	80	87	85	100
MB			09/20/2002	76	78	69	72	82	91
211927- 3		105-3	09/20/2002	91	79	69	74	82	94
211927- 3	D1	105-3	09/24/2002	0 D	0 D	0 D	0 D	0 D	0 D
211927- 3 MS		105-3	09/20/2002	93	78	69	71	75	101
211927- 3 MSD		105-3	09/20/2002	85	75	53	61	66	99

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	41 - 126
2FLUBP	2-Fluorobiphenyl (surr)	38 - 121
2FLUPH	2-Fluorophenol (surr)	37 - 113
NITRD5	Nitrobenzene-d5 (surr)	31 - 120
PHEND5	Phenol-d5 (surr)	44 - 113
TERD14	Terphenyl-d14 (surr)	43 - 121

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SURROGATE RECOVERIES REPORT

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Method.....: Explosives by 8330 (HPLC) Method Code...: 8330 Prep Batch....: 62869
Batch(s).....: 63654 Test Matrix...: Solid Equipment Code: INST43

Lab ID	DT	Sample ID	Date	12DNBZ
LCS			09/17/2002	99
MB			09/17/2002	97
211927- 1		105-1	09/17/2002	99
211927- 1	MS	105-1	09/18/2002	99
211927- 1	MSD	105-1	09/18/2002	101
211927- 2		105-2	09/18/2002	100
211927- 3		105-3	09/18/2002	99
211927- 4		105-4	09/18/2002	100
211927- 5		105-5	09/18/2002	101
211927- 6		101-1	09/18/2002	101
211927- 7		101-2	09/18/2002	99

Test	Test Description	Limits
12DNBZ	1,2-Dinitrobenzene (surr)	80 - 120

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	002IWLPCBA	62701 -002		09/24/2002	2158

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 63718

Analyst...: mgk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016, Solid	ug/Kg	124.650		166.700	2.900 U	75	%	66-104	
Aroclor 1260, Solid	ug/Kg	131.770		167.000	2.500 U	79	%	68-108	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		62701 -001		09/24/2002	2126

Test Method.....: 8082 Equipment Code....: INST0708 Analyst...: mgk
Method Description.: PCB Analysis Batch.....: 63718

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016, Solid	ug/Kg	2.900	U							
Aroclor 1221, Solid	ug/Kg	6.700	U							
Aroclor 1232, Solid	ug/Kg	3.000	U							
Aroclor 1242, Solid	ug/Kg	6.300	U							
Aroclor 1248, Solid	ug/Kg	2.300	U							
Aroclor 1254, Solid	ug/Kg	2.700	U							
Aroclor 1260, Solid	ug/Kg	2.500	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	002IWLPCBA	211927-1		09/24/2002	2336

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 63718

Analyst...: mgk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016, Solid	ug/Kg	156.361		191.200	3.325 U	82	%	66-104	
Aroclor 1260, Solid	ug/Kg	154.843		191.500	2.867 U	81	%	68-108	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	0021WLPCBA	211927-1		09/25/2002	0009

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 63718

Analyst...: mgk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016, Solid	ug/Kg	160.243	156.361	193.500	3.366 U	83 1	% R	66-104 20	
Aroclor 1260, Solid	ug/Kg	157.465	154.843	193.900	2.902 U	81 0	% R	68-108 20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	002HWLEXPA	62869 -002		09/17/2002	2257

Test Method.....: 8330
Method Description.: Explosives by 8330 (HPLC)

Equipment Code....: INST43
Batch.....: 63654

Analyst...: san

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
HMX, Solid	ug/Kg	1021.350		1000.000	113.000 U	102	%	79-122	
RDX, Solid	ug/Kg	1021.650		1000.000	58.600 U	102	%	73-120	
1,3,5-Trinitrobenzene, Solid	ug/Kg	986.150		1000.000	17.500 U	99	%	78-112	
1,3-Dinitrobenzene, Solid	ug/Kg	1019.600		1000.000	17.800 U	102	%	84-110	
Nitrobenzene, Solid	ug/Kg	1004.750		1000.000	22.200 U	100	%	80-109	
2,4,6-TNT, Solid	ug/Kg	1000.850		1000.000	33.800 U	100	%	79-115	
Tetryl, Solid	ug/Kg	1753.600		2000.000	43.400 U	88	%	27-147	
2,4-Dinitrotoluene, Solid	ug/Kg	983.750		1000.000	35.600 U	98	%	83-114	
2,6-Dinitrotoluene, Solid	ug/Kg	2098.650		2000.000	47.500 U	105	%	82-108	
2-Amino-4,6-Dinitrotoluene, Solid	ug/Kg	2060.350		2000.000	36.000 U	103	%	81-109	
4-Amino-2,6-Dinitrotoluene, Solid	ug/Kg	2246.400		2000.000	97.200 U	112	%	84-119	
2-Nitrotoluene, Solid	ug/Kg	2018.800		2000.000	33.200 U	101	%	79-113	
4-Nitrotoluene, Solid	ug/Kg	1974.100		2000.000	46.600 U	99	%	78-112	
3-Nitrotoluene, Solid	ug/Kg	2060.500		2000.000	50.000 U	103	%	79-114	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		62869 -001		09/17/2002	2225

Test Method.....: 8330
Method Description.: Explosives by 8330 (HPLC)

Equipment Code....: INST43
Batch.....: 63654

Analyst...: san

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
HMX, Solid	ug/Kg	113.000	U						
RDX, Solid	ug/Kg	58.600	U						
1,3,5-Trinitrobenzene, Solid	ug/Kg	17.500	U						
1,3-Dinitrobenzene, Solid	ug/Kg	17.800	U						
Nitrobenzene, Solid	ug/Kg	22.200	U						
2,4,6-TNT, Solid	ug/Kg	33.800	U						
Tetryl, Solid	ug/Kg	43.400	U						
2,4-Dinitrotoluene, Solid	ug/Kg	35.600	U						
2,6-Dinitrotoluene, Solid	ug/Kg	47.500	U						
2-Amino-4,6-Dinitrotoluene, Solid	ug/Kg	36.000	U						
4-Amino-2,6-Dinitrotoluene, Solid	ug/Kg	97.200	U						
2-Nitrotoluene, Solid	ug/Kg	33.200	U						
4-Nitrotoluene, Solid	ug/Kg	46.600	U						
3-Nitrotoluene, Solid	ug/Kg	50.000	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	002HWLEXPA	211927-1		09/18/2002	0035

Test Method.....: 8330
Method Description.: Explosives by 8330 (HPLC)

Equipment Code....: INST43
Batch.....: 63654

Analyst...: san

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
HMX, Solid	ug/Kg	1163.657		1162.000	131.316 U	100	%	79-122	
RDX, Solid	ug/Kg	1106.133		1162.000	68.098 U	95	%	73-120	
1,3,5-Trinitrobenzene, Solid	ug/Kg	1217.113		1162.000	20.337 U	105	%	78-112	
1,3-Dinitrobenzene, Solid	ug/Kg	1195.091		1162.000	20.685 U	103	%	84-110	
Nitrobenzene, Solid	ug/Kg	1189.630		1162.000	25.798 U	102	%	80-109	
2,4,6-TNT, Solid	ug/Kg	1188.584		1162.000	39.279 U	102	%	79-115	
Tetryl, Solid	ug/Kg	2023.137		2324.000	50.435 U	87	%	27-147	
2,4-Dinitrotoluene, Solid	ug/Kg	1161.042		1162.000	41.370 U	100	%	83-114	
2,6-Dinitrotoluene, Solid	ug/Kg	2442.419		2324.000	55.199 U	105	%	82-108	
2-Amino-4,6-Dinitrotoluene, Solid	ug/Kg	2413.483		2324.000	41.835 U	104	%	81-109	
4-Amino-2,6-Dinitrotoluene, Solid	ug/Kg	2804.932		2324.000	112.955 U	121	%	84-119	*
2-Nitrotoluene, Solid	ug/Kg	2372.809		2324.000	38.581 U	102	%	79-113	
4-Nitrotoluene, Solid	ug/Kg	2309.069		2324.000	54.153 U	99	%	78-112	
3-Nitrotoluene, Solid	ug/Kg	2421.269		2324.000	58.104 U	104	%	79-114	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	002HWLEXPA	211927-1		09/18/2002	0140

Test Method.....: 8330 Equipment Code....: INST43 Analyst...: san
Method Description.: Explosives by 8330 (HPLC) Batch.....: 63654

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
HMX, Solid	ug/Kg	1173.475	1163.657	1168.000	131.966 U	100	%	79-122	
						0	R	30	
RDX, Solid	ug/Kg	1123.490	1106.133	1168.000	68.435 U	96	%	73-120	
						1	R	30	
1,3,5-Trinitrobenzene, Solid	ug/Kg	1232.102	1217.113	1168.000	20.437 U	106	%	78-112	
						1	R	30	
1,3-Dinitrobenzene, Solid	ug/Kg	1213.008	1195.091	1168.000	20.788 U	104	%	84-110	
						1	R	30	
Nitrobenzene, Solid	ug/Kg	1201.446	1189.630	1168.000	25.926 U	103	%	80-109	
						1	R	30	
2,4,6-TNT, Solid	ug/Kg	1190.117	1188.584	1168.000	39.473 U	102	%	79-115	
						0	R	30	
Tetryl, Solid	ug/Kg	2026.429	2023.137	2336.000	50.684 U	87	%	27-147	
						0	R	30	
2,4-Dinitrotoluene, Solid	ug/Kg	1156.308	1161.042	1168.000	41.575 U	99	%	83-114	
						1	R	30	
2,6-Dinitrotoluene, Solid	ug/Kg	2438.979	2442.419	2336.000	55.472 U	104	%	82-108	
						1	R	30	
2-Amino-4,6-Dinitrotoluene, Solid	ug/Kg	2440.322	2413.483	2336.000	42.042 U	104	%	81-109	
						0	R	30	
4-Amino-2,6-Dinitrotoluene, Solid	ug/Kg	2850.127	2804.932	2336.000	113.514 U	122	%	84-119	*
						1	R	30	
2-Nitrotoluene, Solid	ug/Kg	2400.789	2372.809	2336.000	38.772 U	103	%	79-113	
						1	R	30	
4-Nitrotoluene, Solid	ug/Kg	2334.162	2309.069	2336.000	54.421 U	100	%	78-112	
						1	R	30	
3-Nitrotoluene, Solid	ug/Kg	2446.161	2421.269	2336.000	58.392 U	105	%	79-114	
						1	R	30	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 — Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. — PROJECT: GSA - SLOP — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	0021WLBNAA	62700 -002		09/19/2002	1626

Test Method.....: 8270C — Equipment Code....: GCL4 — Analyst...: dpk
Method Description.: Semivolatile Organics — Batch.....: 63720

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Solid	ug/Kg	2193.861		3333.000	83.000 U	66	%	45-109	
Bis(2-chloroethyl)ether, Solid	ug/Kg	2181.898		3333.000	91.000 U	65	%	42-101	
1,3-Dichlorobenzene, Solid	ug/Kg	1997.283		3333.000	93.000 U	60	%	48-100	
1,4-Dichlorobenzene, Solid	ug/Kg	1968.367		3333.000	74.000 U	59	%	50-100	
1,2-Dichlorobenzene, Solid	ug/Kg	2125.029		3333.000	86.000 U	64	%	49-104	
Benzyl alcohol, Solid	ug/Kg	2345.597		3333.000	103.000 U	70	%	14-150	
2-Methylphenol (o-cresol), Solid	ug/Kg	2289.510		3333.000	124.000 U	69	%	50-102	
2,2-oxybis (1-chloropropane), Solid	ug/Kg	2380.633		3333.000	172.000 U	71	%	48-100	
n-Nitroso-di-n-propylamine, Solid	ug/Kg	2198.561		3333.000	101.000 U	66	%	49-138	
Hexachloroethane, Solid	ug/Kg	2231.661		3333.000	78.000 U	67	%	46-100	
4-Methylphenol (m/p-cresol), Solid	ug/Kg	2426.779		3333.000	118.000 U	73	%	49-109	
2-Chlorophenol, Solid	ug/Kg	2178.578		3333.000	69.000 U	65	%	52-103	
Nitrobenzene, Solid	ug/Kg	2136.325		3333.000	63.000 U	64	%	50-100	
Bis(2-chloroethoxy)methane, Solid	ug/Kg	2344.780		3333.000	59.000 U	70	%	55-116	
1,2,4-Trichlorobenzene, Solid	ug/Kg	2160.052		3333.000	49.000 U	65	%	53-107	
Benzoic acid, Solid	ug/Kg	2867.065		3333.000	171.000 U	86	%	40-143	
Isophorone, Solid	ug/Kg	2041.260		3333.000	50.000 U	61	%	52-116	
2,4-Dimethylphenol, Solid	ug/Kg	2403.806		3333.000	223.000 U	72	%	57-100	
Hexachlorobutadiene, Solid	ug/Kg	2131.092		3333.000	69.000 U	64	%	52-118	
Naphthalene, Solid	ug/Kg	2224.578		3333.000	64.000 U	67	%	57-100	
2,4-Dichlorophenol, Solid	ug/Kg	2369.803		3333.000	57.000 U	71	%	58-103	
4-Chloroaniline, Solid	ug/Kg	1289.537		3333.000	127.000 U	39	%	15-114	
2,4,6-Trichlorophenol, Solid	ug/Kg	2700.593		3333.000	68.000 U	81	%	57-105	
2,4,5-Trichlorophenol, Solid	ug/Kg	2147.099		3333.000	67.000 U	64	%	62-118	
Hexachlorocyclopentadiene, Solid	ug/Kg	1671.573		3333.000	121.000 U	50	%	32-100	
2-Methylnaphthalene, Solid	ug/Kg	2131.785		3333.000	238.000 U	64	%	53-100	
2-Nitroaniline, Solid	ug/Kg	2556.764		3333.000	107.000 U	77	%	55-106	
2-Chloronaphthalene, Solid	ug/Kg	2488.125		3333.000	54.000 U	75	%	59-114	
4-Chloro-3-methylphenol, Solid	ug/Kg	2488.062		3333.000	85.000 U	75	%	56-110	
2,6-Dinitrotoluene, Solid	ug/Kg	2670.287		3333.000	78.000 U	80	%	62-111	
2-Nitrophenol, Solid	ug/Kg	2222.354		3333.000	77.000 U	67	%	53-102	
3-Nitroaniline, Solid	ug/Kg	1797.085		3333.000	139.000 U	54	%	28-100	
Dimethyl phthalate, Solid	ug/Kg	2567.644		3333.000	75.000 U	77	%	63-105	
2,4-Dinitrophenol, Solid	ug/Kg	3098.389		3333.000	197.000 U	93	%	44-139	
Acenaphthylene, Solid	ug/Kg	2441.469		3333.000	55.000 U	73	%	60-102	
2,4-Dinitrotoluene, Solid	ug/Kg	2762.786		3333.000	74.000 U	83	%	61-113	
Acenaphthene, Solid	ug/Kg	2518.595		3333.000	53.000 U	76	%	61-100	
Dibenzofuran, Solid	ug/Kg	2480.442		3333.000	55.000 U	74	%	62-108	
4-Nitrophenol, Solid	ug/Kg	2411.813		3333.000	366.000 U	72	%	45-129	
Fluorene, Solid	ug/Kg	2368.840		3333.000	98.000 U	71	%	64-103	
4-Nitroaniline, Solid	ug/Kg	1532.445	J	3333.000	135.000 U	46	%	32-111	
4-Bromophenyl phenyl ether, Solid	ug/Kg	2952.390		3333.000	92.000 U	89	%	62-108	
Hexachlorobenzene, Solid	ug/Kg	2801.049		3333.000	71.000 U	84	%	62-105	
Diethyl phthalate, Solid	ug/Kg	2335.587		3333.000	95.000 U	70	%	62-110	
4-Chlorophenyl phenyl ether, Solid	ug/Kg	2394.899		3333.000	87.000 U	72	%	62-106	
Pentachlorophenol, Solid	ug/Kg	3158.228		3333.000	185.000 U	95	%	43-122	
n-Nitrosodiphenylamine, Solid	ug/Kg	2921.907		3333.000	108.000 U	88	%	63-108	
4,6-Dinitro-2-methylphenol, Solid	ug/Kg	3334.167		3333.000	141.000 U	100	%	67-130	
Phenanthrene, Solid	ug/Kg	2782.639		3333.000	69.000 U	83	%	64-108	
Anthracene, Solid	ug/Kg	2772.499		3333.000	73.000 U	83	%	63-107	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	002IWLBNAA	62700 -002		09/19/2002	1626

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	
Carbazole, Solid	ug/Kg	2939.574		3333.000	85.000 U	88	%	62-104	
Di-n-butyl phthalate, Solid	ug/Kg	2791.492		3333.000	72.000 U	84	%	58-117	
Benzidine, Solid	ug/Kg	1970.000	U	3333.000	1970.000 U	0	%	10-100	*
Fluoranthene, Solid	ug/Kg	2673.183		3333.000	94.000 U	80	%	56-116	
Pyrene, Solid	ug/Kg	2409.356		3333.000	143.000 U	72	%	51-123	
Butyl benzyl phthalate, Solid	ug/Kg	2857.768		3333.000	115.000 U	86	%	56-113	
Benzo(a)anthracene, Solid	ug/Kg	2778.186		3333.000	53.000 U	83	%	62-109	
Chrysene, Solid	ug/Kg	2825.612		3333.000	40.000 U	85	%	60-106	
3,3-Dichlorobenzidine, Solid	ug/Kg	2573.641		3333.000	114.000 U	77	%	22-106	
Bis(2-ethylhexyl)phthalate, Solid	ug/Kg	2955.860		3333.000	113.000 U	89	%	56-117	
Di-n-octyl phthalate, Solid	ug/Kg	2747.389		3333.000	266.000 U	82	%	45-130	
Benzo(b)fluoranthene, Solid	ug/Kg	2950.760		3333.000	108.000 U	89	%	52-124	
Benzo(k)fluoranthene, Solid	ug/Kg	2380.163		3333.000	115.000 U	71	%	44-130	
Benzo(a)pyrene, Solid	ug/Kg	2745.549		3333.000	58.000 U	82	%	53-121	
Indeno(1,2,3-cd)pyrene, Solid	ug/Kg	2921.291		3333.000	112.000 U	88	%	49-136	
Dibenzo(a,h)anthracene, Solid	ug/Kg	3224.748		3333.000	112.000 U	97	%	55-131	
Benzo(ghi)perylene, Solid	ug/Kg	2822.312		3333.000	152.000 U	85	%	48-139	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		62700-001		09/19/2002	1554

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL4
Batch.....: 63720

Analyst...: dpk

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Solid	ug/Kg	83.000	U							
Bis(2-chloroethyl)ether, Solid	ug/Kg	91.000	U							
1,3-Dichlorobenzene, Solid	ug/Kg	93.000	U							
1,4-Dichlorobenzene, Solid	ug/Kg	74.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	86.000	U							
Benzyl alcohol, Solid	ug/Kg	103.000	U							
2-Methylphenol (o-cresol), Solid	ug/Kg	124.000	U							
2,2-oxybis (1-chloropropane), Solid	ug/Kg	172.000	U							
n-Nitroso-di-n-propylamine, Solid	ug/Kg	101.000	U							
Hexachloroethane, Solid	ug/Kg	78.000	U							
4-Methylphenol (m/p-cresol), Solid	ug/Kg	118.000	U							
2-Chlorophenol, Solid	ug/Kg	69.000	U							
Nitrobenzene, Solid	ug/Kg	63.000	U							
Bis(2-chloroethoxy)methane, Solid	ug/Kg	59.000	U							
1,2,4-Trichlorobenzene, Solid	ug/Kg	49.000	U							
Benzoic acid, Solid	ug/Kg	171.000	U							
Isophorone, Solid	ug/Kg	50.000	U							
2,4-Dimethylphenol, Solid	ug/Kg	223.000	U							
Hexachlorobutadiene, Solid	ug/Kg	69.000	U							
Naphthalene, Solid	ug/Kg	64.000	U							
2,4-Dichlorophenol, Solid	ug/Kg	57.000	U							
4-Chloroaniline, Solid	ug/Kg	127.000	U							
2,4,6-Trichlorophenol, Solid	ug/Kg	68.000	U							
2,4,5-Trichlorophenol, Solid	ug/Kg	67.000	U							
Hexachlorocyclopentadiene, Solid	ug/Kg	121.000	U							
2-Methylnaphthalene, Solid	ug/Kg	238.000	U							
2-Nitroaniline, Solid	ug/Kg	107.000	U							
2-Chloronaphthalene, Solid	ug/Kg	54.000	U							
4-Chloro-3-methylphenol, Solid	ug/Kg	85.000	U							
2,6-Dinitrotoluene, Solid	ug/Kg	78.000	U							
2-Nitrophenol, Solid	ug/Kg	77.000	U							
3-Nitroaniline, Solid	ug/Kg	139.000	U							
Dimethyl phthalate, Solid	ug/Kg	75.000	U							
2,4-Dinitrophenol, Solid	ug/Kg	197.000	U							
Acenaphthylene, Solid	ug/Kg	55.000	U							
2,4-Dinitrotoluene, Solid	ug/Kg	74.000	U							
Acenaphthene, Solid	ug/Kg	53.000	U							
Dibenzofuran, Solid	ug/Kg	55.000	U							
4-Nitrophenol, Solid	ug/Kg	366.000	U							
Fluorene, Solid	ug/Kg	98.000	U							
4-Nitroaniline, Solid	ug/Kg	135.000	U							
4-Bromophenyl phenyl ether, Solid	ug/Kg	92.000	U							
Hexachlorobenzene, Solid	ug/Kg	71.000	U							
Diethyl phthalate, Solid	ug/Kg	95.000	U							
4-Chlorophenyl phenyl ether, Solid	ug/Kg	87.000	U							
Pentachlorophenol, Solid	ug/Kg	185.000	U							
n-Nitrosodiphenylamine, Solid	ug/Kg	108.000	U							
4,6-Dinitro-2-methylphenol, Solid	ug/Kg	141.000	U							
Phenanthrene, Solid	ug/Kg	69.000	U							
Anthracene, Solid	ug/Kg	73.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		62700 -001		09/19/2002	1554

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Solid	ug/Kg	85.000	U							
Di-n-butyl phthalate, Solid	ug/Kg	72.000	U							
Benzidine, Solid	ug/Kg	1970.000	U							
Fluoranthene, Solid	ug/Kg	94.000	U							
Pyrene, Solid	ug/Kg	143.000	U							
Butyl benzyl phthalate, Solid	ug/Kg	115.000	U							
Benzo(a)anthracene, Solid	ug/Kg	53.000	U							
Chrysene, Solid	ug/Kg	40.000	U							
3,3-Dichlorobenzidine, Solid	ug/Kg	114.000	U							
Bis(2-ethylhexyl)phthalate, Solid	ug/Kg	113.000	U							
Di-n-octyl phthalate, Solid	ug/Kg	266.000	U							
Benzo(b)fluoranthene, Solid	ug/Kg	108.000	U							
Benzo(k)fluoranthene, Solid	ug/Kg	115.000	U							
Benzo(a)pyrene, Solid	ug/Kg	58.000	U							
Indeno(1,2,3-cd)pyrene, Solid	ug/Kg	112.000	U							
Dibenzo(a,h)anthracene, Solid	ug/Kg	112.000	U							
Benzo(ghi)perylene, Solid	ug/Kg	152.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 — Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. — PROJECT: GSA - SLOP — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	002IWLBNAA	63295 -003		09/20/2002	1950

Test Method.....: 8270C — Equipment Code....: GCL4 — Analyst...: dpk
Method Description.: Semivolatile Organics — Batch.....: 63721

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Solid	ug/Kg	2604.724	2489.518	3333.000	83.000 U	78.5	%	45-109	
							R	20	
Bis(2-chloroethyl)ether, Solid	ug/Kg	2267.471	2310.430	3333.000	91.000 U	68.2	%	42-101	
							R	20	
1,3-Dichlorobenzene, Solid	ug/Kg	2586.081	2496.385	3333.000	93.000 U	78.4	%	48-100	
							R	20	
1,4-Dichlorobenzene, Solid	ug/Kg	2566.231	2561.551	3333.000	74.000 U	77.0	%	50-100	
							R	20	
1,2-Dichlorobenzene, Solid	ug/Kg	2673.537	2567.381	3333.000	86.000 U	80.4	%	49-104	
							R	20	
Benzyl alcohol, Solid	ug/Kg	3042.116	2940.417	3333.000	103.000 U	91.3	%	14-150	
							R	20	
2-Methylphenol (o-cresol), Solid	ug/Kg	2715.613	2643.330	3333.000	124.000 U	81.3	%	50-102	
							R	20	
2,2-oxybis (1-chloropropane), Solid	ug/Kg	3131.085	3006.330	3333.000	172.000 U	94.4	%	48-100	
							R	20	
n-Nitroso-di-n-propylamine, Solid	ug/Kg	2834.442	2773.596	3333.000	101.000 U	85.2	%	49-138	
							R	20	
Hexachloroethane, Solid	ug/Kg	2748.063	2600.701	3333.000	78.000 U	82.6	%	46-100	
							R	20	
4-Methylphenol (m/p-cresol), Solid	ug/Kg	2944.961	2799.769	3333.000	118.000 U	88.5	%	49-109	
							R	20	
2-Chlorophenol, Solid	ug/Kg	2836.642	2685.700	3333.000	69.000 U	85.5	%	52-103	
							R	20	
Nitrobenzene, Solid	ug/Kg	2870.041	2748.829	3333.000	63.000 U	86.4	%	50-100	
							R	20	
Bis(2-chloroethoxy)methane, Solid	ug/Kg	3111.196	2982.594	3333.000	59.000 U	93.4	%	55-116	
							R	20	
1,2,4-Trichlorobenzene, Solid	ug/Kg	2848.552	2665.077	3333.000	49.000 U	85.7	%	53-107	
							R	20	
Benzoic acid, Solid	ug/Kg	3258.197	3356.033	3333.000	171.000 U	98.3	%	40-143	
							R	20	
Isophorone, Solid	ug/Kg	2748.783	2645.210	3333.000	50.000 U	82.4	%	52-116	
							R	20	
2,4-Dimethylphenol, Solid	ug/Kg	2911.611	2870.001	3333.000	223.000 U	87.1	%	57-100	
							R	20	
Hexachlorobutadiene, Solid	ug/Kg	2794.919	2690.746	3333.000	69.000 U	84.4	%	52-118	
							R	20	
Naphthalene, Solid	ug/Kg	2818.535	2719.363	3333.000	64.000 U	85.4	%	57-100	
							R	20	
2,4-Dichlorophenol, Solid	ug/Kg	3043.736	2908.718	3333.000	57.000 U	91.5	%	58-103	
							R	20	
4-Chloroaniline, Solid	ug/Kg	2126.852	2108.579	3333.000	127.000 U	64.1	%	15-114	
							R	20	
2,4,6-Trichlorophenol, Solid	ug/Kg	2927.941	2929.391	3333.000	68.000 U	88.0	%	57-105	
							R	20	
2,4,5-Trichlorophenol, Solid	ug/Kg	3317.420	3192.561	3333.000	67.000 U	100.4	%	62-118	
							R	20	
Hexachlorocyclopentadiene, Solid	ug/Kg	2307.124	2254.897	3333.000	121.000 U	69.2	%	32-100	
							R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	0021WLBNAA	63295 -003		09/20/2002	1950

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
2-Methylnaphthalene, Solid	ug/Kg	2763.786	2670.177	3333.000	238.000 U	83.3	%	53-100
							R	20
2-Nitroaniline, Solid	ug/Kg	3064.543	2892.154	3333.000	107.000 U	92.6	%	55-106
							R	20
2-Chloronaphthalene, Solid	ug/Kg	2845.898	2856.068	3333.000	54.000 U	85.0	%	59-114
							R	20
4-Chloro-3-methylphenol, Solid	ug/Kg	3286.014	3115.169	3333.000	85.000 U	99.5	%	56-110
							R	20
2,6-Dinitrotoluene, Solid	ug/Kg	3167.002	3099.956	3333.000	78.000 U	95.2	%	62-111
							R	20
2-Nitrophenol, Solid	ug/Kg	2864.648	2796.062	3333.000	77.000 U	86.2	%	53-102
							R	20
3-Nitroaniline, Solid	ug/Kg	2578.654	2467.162	3333.000	139.000 U	77.4	%	28-100
							R	20
Dimethyl phthalate, Solid	ug/Kg	3094.952	2975.870	3333.000	75.000 U	93.4	%	63-105
							R	20
2,4-Dinitrophenol, Solid	ug/Kg	3213.525	2972.654	3333.000	197.000 U	96.8	%	44-139
							R	20
Acenaphthylene, Solid	ug/Kg	2844.692	2784.935	3333.000	55.000 U	85.2	%	60-102
							R	20
2,4-Dinitrotoluene, Solid	ug/Kg	3340.667	3129.139	3333.000	74.000 U	100.7	%	61-113
							R	20
Acenaphthene, Solid	ug/Kg	3056.786	3002.383	3333.000	53.000 U	92.2	%	61-100
							R	20
Dibenzofuran, Solid	ug/Kg	2867.578	2834.748	3333.000	55.000 U	86.1	%	62-108
							R	20
4-Nitrophenol, Solid	ug/Kg	3423.399	2918.441	3333.000	366.000 U	103.16	%	45-129
							R	20
Fluorene, Solid	ug/Kg	2885.601	2820.425	3333.000	98.000 U	87.2	%	64-103
							R	20
4-Nitroaniline, Solid	ug/Kg	2816.765	2706.526	3333.000	135.000 U	85.4	%	32-111
							R	20
4-Bromophenyl phenyl ether, Solid	ug/Kg	3111.182	3043.170	3333.000	92.000 U	93.2	%	62-108
							R	20
Hexachlorobenzene, Solid	ug/Kg	3023.630	3067.286	3333.000	71.000 U	91.1	%	62-105
							R	20
Diethyl phthalate, Solid	ug/Kg	3265.654	3124.989	3333.000	95.000 U	98.4	%	62-110
							R	20
4-Chlorophenyl phenyl ether, Solid	ug/Kg	2932.761	2908.378	3333.000	87.000 U	88.1	%	62-106
							R	20
Pentachlorophenol, Solid	ug/Kg	3756.996	3605.264	3333.000	185.000 U	113.4	%	43-122
							R	20
n-Nitrosodiphenylamine, Solid	ug/Kg	3243.984	3187.751	3333.000	108.000 U	97.2	%	63-108
							R	20
4,6-Dinitro-2-methylphenol, Solid	ug/Kg	3767.029	3637.930	3333.000	141.000 U	113.3	%	67-130
							R	20
Phenanthrene, Solid	ug/Kg	3024.206	2990.780	3333.000	69.000 U	91.1	%	64-108
							R	20
Anthracene, Solid	ug/Kg	3097.186	3103.766	3333.000	73.000 U	93.0	%	63-107
							R	20
Carbazole, Solid	ug/Kg	3582.498	3314.887	3333.000	85.000 U	107.8	%	62-104
							R	20
Di-n-butyl phthalate, Solid	ug/Kg	3161.225	3142.115	3333.000	72.000 U	95.1	%	58-117
							R	20

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	002IWLBNAA	63295 -003		09/20/2002	1950

Parameter/Test Description	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Benzidine, Solid	ug/Kg	1970.000	U	1970.000	U	3333.000	1970.000	U	37	%	10-100	
									8	R	20	
Fluoranthene, Solid	ug/Kg	3170.922		3042.456		3333.000	94.000	U	95	%	56-116	
									4	R	20	
Pyrene, Solid	ug/Kg	3034.616		3019.363		3333.000	143.000	U	91	%	51-123	
									1	R	20	
Butyl benzyl phthalate, Solid	ug/Kg	3284.330		3181.068		3333.000	115.000	U	99	%	56-113	
									3	R	20	
Benzo(a)anthracene, Solid	ug/Kg	3035.756		3014.303		3333.000	53.000	U	91	%	62-109	
									1	R	20	
Chrysene, Solid	ug/Kg	2879.461		2855.115		3333.000	40.000	U	86	%	60-106	
									1	R	20	
3,3-Dichlorobenzidine, Solid	ug/Kg	2947.127		3074.443		3333.000	114.000	U	88	%	22-106	
									4	R	20	
Bis(2-ethylhexyl)phthalate, Solid	ug/Kg	3285.097		3138.602		3333.000	113.000	U	99	%	56-117	
									5	R	20	
Di-n-octyl phthalate, Solid	ug/Kg	3302.767		3134.389		3333.000	266.000	U	99	%	45-130	
									5	R	20	
Benzo(b)fluoranthene, Solid	ug/Kg	3012.457		3260.764		3333.000	108.000	U	90	%	52-124	
									8	R	20	
Benzo(k)fluoranthene, Solid	ug/Kg	3079.786		2850.621		3333.000	115.000	U	92	%	44-130	
									8	R	20	
Benzo(a)pyrene, Solid	ug/Kg	3093.356		3100.429		3333.000	58.000	U	93	%	53-121	
									0	R	20	
Indeno(1,2,3-cd)pyrene, Solid	ug/Kg	3060.706		3189.598		3333.000	112.000	U	92	%	49-136	
									4	R	20	
Dibenzo(a,h)anthracene, Solid	ug/Kg	3205.881		3333.833		3333.000	112.000	U	96	%	55-131	
									4	R	20	
Benzo(ghi)perylene, Solid	ug/Kg	3085.786		3226.531		3333.000	152.000	U	93	%	48-139	
									4	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	0021WLBNAA	63295 -002		09/20/2002	1917

Test Method.....: 8270C
Method Description.: Semivolatile Organics

Equipment Code....: GCL4
Batch.....: 63721

Analyst...: dpk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Solid	ug/Kg	2489.518		3333.000	83.000 U	75	%	45-109	
Bis(2-chloroethyl)ether, Solid	ug/Kg	2310.430		3333.000	91.000 U	69	%	42-101	
1,3-Dichlorobenzene, Solid	ug/Kg	2496.385		3333.000	93.000 U	75	%	48-100	
1,4-Dichlorobenzene, Solid	ug/Kg	2561.551		3333.000	74.000 U	77	%	50-100	
1,2-Dichlorobenzene, Solid	ug/Kg	2567.381		3333.000	86.000 U	77	%	49-104	
Benzyl alcohol, Solid	ug/Kg	2940.417		3333.000	103.000 U	88	%	14-150	
2-Methylphenol (o-cresol), Solid	ug/Kg	2643.330		3333.000	124.000 U	79	%	50-102	
2,2-oxybis (1-chloropropane), Solid	ug/Kg	3006.330		3333.000	172.000 U	90	%	48-100	
n-Nitroso-di-n-propylamine, Solid	ug/Kg	2773.596		3333.000	101.000 U	83	%	49-138	
Hexachloroethane, Solid	ug/Kg	2600.701		3333.000	78.000 U	78	%	46-100	
4-Methylphenol (m/p-cresol), Solid	ug/Kg	2799.769		3333.000	118.000 U	84	%	49-109	
2-Chlorophenol, Solid	ug/Kg	2685.700		3333.000	69.000 U	81	%	52-103	
Nitrobenzene, Solid	ug/Kg	2748.829		3333.000	63.000 U	82	%	50-100	
Bis(2-chloroethoxy)methane, Solid	ug/Kg	2982.594		3333.000	59.000 U	89	%	55-116	
1,2,4-Trichlorobenzene, Solid	ug/Kg	2665.077		3333.000	49.000 U	80	%	53-107	
Benzoic acid, Solid	ug/Kg	3356.033		3333.000	171.000 U	101	%	40-143	
Isophorone, Solid	ug/Kg	2645.210		3333.000	50.000 U	79	%	52-116	
2,4-Dimethylphenol, Solid	ug/Kg	2870.001		3333.000	223.000 U	86	%	57-100	
Hexachlorobutadiene, Solid	ug/Kg	2690.746		3333.000	69.000 U	81	%	52-118	
Naphthalene, Solid	ug/Kg	2719.363		3333.000	64.000 U	82	%	57-100	
2,4-Dichlorophenol, Solid	ug/Kg	2908.718		3333.000	57.000 U	87	%	58-103	
4-Chloroaniline, Solid	ug/Kg	2108.579		3333.000	127.000 U	63	%	15-114	
2,4,6-Trichlorophenol, Solid	ug/Kg	2929.391		3333.000	68.000 U	88	%	57-105	
2,4,5-Trichlorophenol, Solid	ug/Kg	3192.561		3333.000	67.000 U	96	%	62-118	
Hexachlorocyclopentadiene, Solid	ug/Kg	2254.897		3333.000	121.000 U	68	%	32-100	
2-Methylnaphthalene, Solid	ug/Kg	2670.177		3333.000	238.000 U	80	%	53-100	
2-Nitroaniline, Solid	ug/Kg	2892.154		3333.000	107.000 U	87	%	55-106	
2-Chloronaphthalene, Solid	ug/Kg	2856.068		3333.000	54.000 U	86	%	59-114	
4-Chloro-3-methylphenol, Solid	ug/Kg	3115.169		3333.000	85.000 U	93	%	56-110	
2,6-Dinitrotoluene, Solid	ug/Kg	3099.956		3333.000	78.000 U	93	%	62-111	
2-Nitrophenol, Solid	ug/Kg	2796.062		3333.000	77.000 U	84	%	53-102	
3-Nitroaniline, Solid	ug/Kg	2467.162		3333.000	139.000 U	74	%	28-100	
Dimethyl phthalate, Solid	ug/Kg	2975.870		3333.000	75.000 U	89	%	63-105	
2,4-Dinitrophenol, Solid	ug/Kg	2972.654		3333.000	197.000 U	89	%	44-139	
Acenaphthylene, Solid	ug/Kg	2784.935		3333.000	55.000 U	84	%	60-102	
2,4-Dinitrotoluene, Solid	ug/Kg	3129.139		3333.000	74.000 U	94	%	61-113	
Acenaphthene, Solid	ug/Kg	3002.383		3333.000	53.000 U	90	%	61-100	
Dibenzofuran, Solid	ug/Kg	2834.748		3333.000	55.000 U	85	%	62-108	
4-Nitrophenol, Solid	ug/Kg	2918.441		3333.000	366.000 U	88	%	45-129	
Fluorene, Solid	ug/Kg	2820.425		3333.000	98.000 U	85	%	64-103	
4-Nitroaniline, Solid	ug/Kg	2706.526		3333.000	135.000 U	81	%	32-111	
4-Bromophenyl phenyl ether, Solid	ug/Kg	3043.170		3333.000	92.000 U	91	%	62-108	
Hexachlorobenzene, Solid	ug/Kg	3067.286		3333.000	71.000 U	92	%	62-105	
Diethyl phthalate, Solid	ug/Kg	3124.989		3333.000	95.000 U	94	%	62-110	
4-Chlorophenyl phenyl ether, Solid	ug/Kg	2908.378		3333.000	87.000 U	87	%	62-106	
Pentachlorophenol, Solid	ug/Kg	3605.264		3333.000	185.000 U	108	%	43-122	
n-Nitrosodiphenylamine, Solid	ug/Kg	3187.751		3333.000	108.000 U	96	%	63-108	
4,6-Dinitro-2-methylphenol, Solid	ug/Kg	3637.930		3333.000	141.000 U	109	%	67-130	
Phenanthrene, Solid	ug/Kg	2990.780		3333.000	69.000 U	90	%	64-108	
Anthracene, Solid	ug/Kg	3103.766		3333.000	73.000 U	93	%	63-107	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	0021WLBNAA	63295 -002		09/20/2002	1917

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Solid	ug/Kg	3314.887		3333.000	85.000 U	99	%	62-104	
Di-n-butyl phthalate, Solid	ug/Kg	3142.115		3333.000	72.000 U	94	%	58-117	
Benzidine, Solid	ug/Kg	1970.000	U	3333.000	1970.000 U	34	%	10-100	
Fluoranthene, Solid	ug/Kg	3042.456		3333.000	94.000 U	91	%	56-116	
Pyrene, Solid	ug/Kg	3019.363		3333.000	143.000 U	91	%	51-123	
Butyl benzyl phthalate, Solid	ug/Kg	3181.068		3333.000	115.000 U	95	%	56-113	
Benzo(a)anthracene, Solid	ug/Kg	3014.303		3333.000	53.000 U	90	%	62-109	
Chrysene, Solid	ug/Kg	2855.115		3333.000	40.000 U	86	%	60-106	
3,3-Dichlorobenzidine, Solid	ug/Kg	3074.443		3333.000	114.000 U	92	%	22-106	
Bis(2-ethylhexyl)phthalate, Solid	ug/Kg	3138.602		3333.000	113.000 U	94	%	56-117	
Di-n-octyl phthalate, Solid	ug/Kg	3134.389		3333.000	266.000 U	94	%	45-130	
Benzo(b)fluoranthene, Solid	ug/Kg	3260.764		3333.000	108.000 U	98	%	52-124	
Benzo(k)fluoranthene, Solid	ug/Kg	2850.621		3333.000	115.000 U	86	%	44-130	
Benzo(a)pyrene, Solid	ug/Kg	3100.429		3333.000	58.000 U	93	%	53-121	
Indeno(1,2,3-cd)pyrene, Solid	ug/Kg	3189.598		3333.000	112.000 U	96	%	49-136	
Dibenzo(a,h)anthracene, Solid	ug/Kg	3333.833		3333.000	112.000 U	100	%	55-131	
Benzo(ghi)perylene, Solid	ug/Kg	3226.531		3333.000	152.000 U	97	%	48-139	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 — Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. — PROJECT: GSA - SLOP — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		63295 -001		09/20/2002	1844

Test Method.....: 8270C — Equipment Code....: GCL4 — Analyst...: dpk
Method Description.: Semivolatile Organics — Batch.....: 63721

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Solid	ug/Kg	83.000	U							
Bis(2-chloroethyl)ether, Solid	ug/Kg	91.000	U							
1,3-Dichlorobenzene, Solid	ug/Kg	93.000	U							
1,4-Dichlorobenzene, Solid	ug/Kg	74.000	U							
1,2-Dichlorobenzene, Solid	ug/Kg	86.000	U							
Benzyl alcohol, Solid	ug/Kg	103.000	U							
2-Methylphenol (o-cresol), Solid	ug/Kg	124.000	U							
2,2-oxybis (1-chloropropane), Solid	ug/Kg	172.000	U							
n-Nitroso-di-n-propylamine, Solid	ug/Kg	101.000	U							
Hexachloroethane, Solid	ug/Kg	78.000	U							
4-Methylphenol (m/p-cresol), Solid	ug/Kg	118.000	U							
2-Chlorophenol, Solid	ug/Kg	69.000	U							
Nitrobenzene, Solid	ug/Kg	63.000	U							
Bis(2-chloroethoxy)methane, Solid	ug/Kg	59.000	U							
1,2,4-Trichlorobenzene, Solid	ug/Kg	49.000	U							
Benzoic acid, Solid	ug/Kg	171.000	U							
Isophorone, Solid	ug/Kg	50.000	U							
2,4-Dimethylphenol, Solid	ug/Kg	223.000	U							
Hexachlorobutadiene, Solid	ug/Kg	69.000	U							
Naphthalene, Solid	ug/Kg	64.000	U							
2,4-Dichlorophenol, Solid	ug/Kg	57.000	U							
4-Chloroaniline, Solid	ug/Kg	127.000	U							
2,4,6-Trichlorophenol, Solid	ug/Kg	68.000	U							
2,4,5-Trichlorophenol, Solid	ug/Kg	67.000	U							
Hexachlorocyclopentadiene, Solid	ug/Kg	121.000	U							
2-Methylnaphthalene, Solid	ug/Kg	238.000	U							
2-Nitroaniline, Solid	ug/Kg	107.000	U							
2-Chloronaphthalene, Solid	ug/Kg	54.000	U							
4-Chloro-3-methylphenol, Solid	ug/Kg	85.000	U							
2,6-Dinitrotoluene, Solid	ug/Kg	78.000	U							
2-Nitrophenol, Solid	ug/Kg	77.000	U							
3-Nitroaniline, Solid	ug/Kg	139.000	U							
Dimethyl phthalate, Solid	ug/Kg	75.000	U							
2,4-Dinitrophenol, Solid	ug/Kg	197.000	U							
Acenaphthylene, Solid	ug/Kg	55.000	U							
2,4-Dinitrotoluene, Solid	ug/Kg	74.000	U							
Acenaphthene, Solid	ug/Kg	53.000	U							
Dibenzofuran, Solid	ug/Kg	55.000	U							
4-Nitrophenol, Solid	ug/Kg	366.000	U							
Fluorene, Solid	ug/Kg	98.000	U							
4-Nitroaniline, Solid	ug/Kg	135.000	U							
4-Bromophenyl phenyl ether, Solid	ug/Kg	92.000	U							
Hexachlorobenzene, Solid	ug/Kg	71.000	U							
Diethyl phthalate, Solid	ug/Kg	95.000	U							
4-Chlorophenyl phenyl ether, Solid	ug/Kg	87.000	U							
Pentachlorophenol, Solid	ug/Kg	185.000	U							
n-Nitrosodiphenylamine, Solid	ug/Kg	108.000	U							
4,6-Dinitro-2-methylphenol, Solid	ug/Kg	141.000	U							
Phenanthrene, Solid	ug/Kg	69.000	U							
Anthracene, Solid	ug/Kg	73.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		63295 -001		09/20/2002	1844

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Solid	ug/Kg	85.000	U							
Di-n-butyl phthalate, Solid	ug/Kg	72.000	U							
Benzidine, Solid	ug/Kg	1970.000	U							
Fluoranthene, Solid	ug/Kg	94.000	U							
Pyrene, Solid	ug/Kg	143.000	U							
Butyl benzyl phthalate, Solid	ug/Kg	115.000	U							
Benzo(a)anthracene, Solid	ug/Kg	53.000	U							
Chrysene, Solid	ug/Kg	40.000	U							
3,3-Dichlorobenzidine, Solid	ug/Kg	114.000	U							
Bis(2-ethylhexyl)phthalate, Solid	ug/Kg	113.000	U							
Di-n-octyl phthalate, Solid	ug/Kg	266.000	U							
Benzo(b)fluoranthene, Solid	ug/Kg	108.000	U							
Benzo(k)fluoranthene, Solid	ug/Kg	115.000	U							
Benzo(a)pyrene, Solid	ug/Kg	58.000	U							
Indeno(1,2,3-cd)pyrene, Solid	ug/Kg	112.000	U							
Dibenzo(a,h)anthracene, Solid	ug/Kg	112.000	U							
Benzo(ghi)perylene, Solid	ug/Kg	152.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 — Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. — PROJECT: GSA - SLOP — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	0021WLBNAA	211927-3		09/20/2002	2305

Test Method.....: 8270C — Equipment Code....: GCL4 — Analyst...: dpk
Method Description.: Semivolatile Organics — Batch.....: 63721

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Solid	ug/Kg	2725.909		3939.000	98.082 U	69	%	45-109	
Bis(2-chloroethyl)ether, Solid	ug/Kg	2140.808		3939.000	107.535 U	54	%	42-101	
1,3-Dichlorobenzene, Solid	ug/Kg	2410.601		3939.000	109.899 U	61	%	48-100	
1,4-Dichlorobenzene, Solid	ug/Kg	2445.537		3939.000	87.446 U	62	%	50-100	
1,2-Dichlorobenzene, Solid	ug/Kg	2602.851		3939.000	101.627 U	66	%	49-104	
Benzyl alcohol, Solid	ug/Kg	3132.392		3939.000	121.716 U	80	%	14-150	
2-Methylphenol (o-cresol), Solid	ug/Kg	2858.141		3939.000	146.532 U	73	%	50-102	
2,2-oxybis (1-chloropropane), Solid	ug/Kg	2856.526		3939.000	203.254 U	73	%	48-100	
n-Nitroso-di-n-propylamine, Solid	ug/Kg	2887.745		3939.000	119.353 U	73	%	49-138	
Hexachloroethane, Solid	ug/Kg	2489.502		3939.000	92.173 U	63	%	46-100	
4-Methylphenol (m/p-cresol), Solid	ug/Kg	3166.423		3939.000	139.442 U	80	%	49-109	
2-Chlorophenol, Solid	ug/Kg	2772.587		3939.000	81.538 U	70	%	52-103	
Nitrobenzene, Solid	ug/Kg	2755.233		3939.000	74.448 U	70	%	50-100	
Bis(2-chloroethoxy)methane, Solid	ug/Kg	3112.962		3939.000	69.721 U	79	%	55-116	
1,2,4-Trichlorobenzene, Solid	ug/Kg	2660.376		3939.000	57.904 U	68	%	53-107	
Benzoic acid, Solid	ug/Kg	3438.074		3939.000	202.072 U	87	%	40-143	
Isophorone, Solid	ug/Kg	2799.635		3939.000	59.085 U	71	%	52-116	
2,4-Dimethylphenol, Solid	ug/Kg	3068.258		3939.000	263.521 U	78	%	57-100	
Hexachlorobutadiene, Solid	ug/Kg	2658.836		3939.000	81.538 U	68	%	52-118	
Naphthalene, Solid	ug/Kg	2796.326		3939.000	75.629 U	71	%	57-100	
2,4-Dichlorophenol, Solid	ug/Kg	3162.012		3939.000	67.357 U	80	%	58-103	
4-Chloroaniline, Solid	ug/Kg	2648.273		3939.000	150.077 U	67	%	15-114	
2,4,6-Trichlorophenol, Solid	ug/Kg	3341.307		3939.000	80.356 U	85	%	57-105	
2,4,5-Trichlorophenol, Solid	ug/Kg	3637.804		3939.000	79.174 U	92	%	62-118	
Hexachlorocyclopentadiene, Solid	ug/Kg	1924.748		3939.000	142.987 U	49	%	32-100	
2-Methylnaphthalene, Solid	ug/Kg	2819.033		3939.000	281.247 U	72	%	53-100	
2-Nitroaniline, Solid	ug/Kg	3371.608		3939.000	126.443 U	86	%	55-106	
2-Chloronaphthalene, Solid	ug/Kg	3090.586		3939.000	63.812 U	78	%	59-114	
4-Chloro-3-methylphenol, Solid	ug/Kg	3559.774		3939.000	100.445 U	90	%	56-110	
2,6-Dinitrotoluene, Solid	ug/Kg	3538.788		3939.000	92.173 U	90	%	62-111	
2-Nitrophenol, Solid	ug/Kg	2795.019		3939.000	90.992 U	71	%	53-102	
3-Nitroaniline, Solid	ug/Kg	3084.060		3939.000	164.258 U	78	%	28-100	
Dimethyl phthalate, Solid	ug/Kg	3404.784		3939.000	88.628 U	86	%	63-105	
2,4-Dinitrophenol, Solid	ug/Kg	2460.052		3939.000	232.797 U	62	%	44-139	
Acenaphthylene, Solid	ug/Kg	3062.089		3939.000	64.994 U	78	%	60-102	
2,4-Dinitrotoluene, Solid	ug/Kg	3585.994		3939.000	87.446 U	91	%	61-113	
Acenaphthene, Solid	ug/Kg	3410.149		3939.000	874.375	64	%	61-100	
Dibenzofuran, Solid	ug/Kg	3166.395		3939.000	393.879	70	%	62-108	
4-Nitrophenol, Solid	ug/Kg	3734.430		3939.000	432.505 U	95	%	45-129	
Fluorene, Solid	ug/Kg	3196.700		3939.000	1013.424	55	%	64-103	*
4-Nitroaniline, Solid	ug/Kg	3074.028		3939.000	159.531 U	78	%	32-111	
4-Bromophenyl phenyl ether, Solid	ug/Kg	3567.494		3939.000	108.717 U	91	%	62-108	
Hexachlorobenzene, Solid	ug/Kg	3495.167		3939.000	83.901 U	89	%	62-105	
Diethyl phthalate, Solid	ug/Kg	3552.263		3939.000	112.262 U	90	%	62-110	
4-Chlorophenyl phenyl ether, Solid	ug/Kg	3224.000		3939.000	102.809 U	82	%	62-106	
Pentachlorophenol, Solid	ug/Kg	4026.346		3939.000	218.616 U	102	%	43-122	
n-Nitrosodiphenylamine, Solid	ug/Kg	3725.386		3939.000	127.625 U	95	%	63-108	
4,6-Dinitro-2-methylphenol, Solid	ug/Kg	3266.243		3939.000	166.621 U	83	%	67-130	
Phenanthrene, Solid	ug/Kg	4717.872		3939.000	8602.818	-99	%	64-108	*
Anthracene, Solid	ug/Kg	3615.921		3939.000	1819.670	46	%	63-107	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 — Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. — PROJECT: GSA - SLOP — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	002IWLBNAA	211927-3		09/20/2002	2305

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Carbazole, Solid	ug/Kg	3872.290		3939.000	992.895	73	%	62-104	
Di-n-butyl phthalate, Solid	ug/Kg	3484.497		3939.000	85.083 U	88	%	58-117	
Benzidine, Solid	ug/Kg	2327.966 U		3939.000	2327.966 U	28	%	10-100	
Fluoranthene, Solid	ug/Kg	5269.376		3939.000	10359.657	-129	%	56-116	*
Pyrene, Solid	ug/Kg	5178.351		3939.000	7961.865	-71	%	51-123	*
Butyl benzyl phthalate, Solid	ug/Kg	3874.027		3939.000	135.897 U	98	%	56-113	
Benzo(a)anthracene, Solid	ug/Kg	4182.793		3939.000	4387.845	-5	%	62-109	*
Chrysene, Solid	ug/Kg	4280.868		3939.000	5346.339	-27	%	60-106	*
3,3-Dichlorobenzidine, Solid	ug/Kg	3624.495		3939.000	134.715 U	92	%	22-106	
Bis(2-ethylhexyl)phthalate, Solid	ug/Kg	3802.310		3939.000	133.533 U	97	%	56-117	
Di-n-octyl phthalate, Solid	ug/Kg	3879.321		3939.000	314.335 U	98	%	45-130	
Benzo(b)fluoranthene, Solid	ug/Kg	4504.747		3939.000	4786.091	-7	%	52-124	*
Benzo(k)fluoranthene, Solid	ug/Kg	3953.440		3939.000	3469.391	12	%	44-130	*
Benzo(a)pyrene, Solid	ug/Kg	4172.159		3939.000	3720.833	11	%	53-121	*
Indeno(1,2,3-cd)pyrene, Solid	ug/Kg	3733.264		3939.000	2355.671	35	%	49-136	*
Dibenzo(a,h)anthracene, Solid	ug/Kg	3801.491		3939.000	1078.335	69	%	55-131	
Benzo(ghi)perylene, Solid	ug/Kg	3915.986		3939.000	2551.533	35	%	48-139	*

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	0021WL8NAA	211927-3		09/20/2002	2338

Test Method.....: 8270C Equipment Code....: GCL4 Analyst...: dpk
Method Description.: Semivolatile Organics Batch.....: 63721

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol, Solid	ug/Kg	2409.132	2725.909	3939.000	98.082 U	61 12	% R	45-109 20	
Bis(2-chloroethyl)ether, Solid	ug/Kg	1593.366	2140.808	3939.000	107.535 U	40 30	% R	42-101 20	* *
1,3-Dichlorobenzene, Solid	ug/Kg	1623.552	2410.601	3939.000	109.899 U	41 39	% R	48-100 20	*
1,4-Dichlorobenzene, Solid	ug/Kg	1712.631	2445.537	3939.000	87.446 U	43 36	% R	50-100 20	*
1,2-Dichlorobenzene, Solid	ug/Kg	1910.139	2602.851	3939.000	101.627 U	48 32	% R	49-104 20	*
Benzyl alcohol, Solid	ug/Kg	2779.098	3132.392	3939.000	121.716 U	71 12	% R	14-150 20	
2-Methylphenol (o-cresol), Solid	ug/Kg	2614.128	2858.141	3939.000	146.532 U	66 10	% R	50-102 20	
2,2-oxybis (1-chloropropane), Solid	ug/Kg	2112.678	2856.526	3939.000	203.254 U	54 30	% R	48-100 20	*
n-Nitroso-di-n-propylamine, Solid	ug/Kg	2494.149	2887.745	3939.000	119.353 U	63 15	% R	49-138 20	
Hexachloroethane, Solid	ug/Kg	1751.203	2489.502	3939.000	92.173 U	44 36	% R	46-100 20	*
4-Methylphenol (m/p-cresol), Solid	ug/Kg	2790.958	3166.423	3939.000	139.442 U	71 12	% R	49-109 20	
2-Chlorophenol, Solid	ug/Kg	2368.330	2772.587	3939.000	81.538 U	60 15	% R	52-103 20	
Nitrobenzene, Solid	ug/Kg	2389.308	2755.233	3939.000	74.448 U	61 14	% R	50-100 20	
Bis(2-chloroethoxy)methane, Solid	ug/Kg	2785.676	3112.962	3939.000	69.721 U	71 11	% R	55-116 20	
1,2,4-Trichlorobenzene, Solid	ug/Kg	2400.254	2660.376	3939.000	57.904 U	61 11	% R	53-107 20	
Benzoic acid, Solid	ug/Kg	2973.798	3438.074	3939.000	202.072 U	76 13	% R	40-143 20	
Isophorone, Solid	ug/Kg	2538.941	2799.635	3939.000	59.085 U	64 10	% R	52-116 20	
2,4-Dimethylphenol, Solid	ug/Kg	2981.085	3068.258	3939.000	263.521 U	76 3	% R	57-100 20	
Hexachlorobutadiene, Solid	ug/Kg	2143.916	2658.836	3939.000	81.538 U	54 23	% R	52-118 20	*
Naphthalene, Solid	ug/Kg	2582.511	2796.326	3939.000	75.629 U	66 7	% R	57-100 20	
2,4-Dichlorophenol, Solid	ug/Kg	3071.574	3162.012	3939.000	67.357 U	78 3	% R	58-103 20	
4-Chloroaniline, Solid	ug/Kg	2501.015	2648.273	3939.000	150.077 U	63 6	% R	15-114 20	
2,4,6-Trichlorophenol, Solid	ug/Kg	3082.925	3341.307	3939.000	80.356 U	78 9	% R	57-105 20	
2,4,5-Trichlorophenol, Solid	ug/Kg	3529.883	3637.804	3939.000	79.174 U	90 2	% R	62-118 20	
Hexachlorocyclopentadiene, Solid	ug/Kg	1386.987	1924.748	3939.000	142.987 U	35 33	% R	32-100 20	*

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time
MSD	Matrix Spike Duplicate	0021WLBNAA	211927-3		09/20/2002 2338

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
2-Methylnaphthalene, Solid	ug/Kg	2650.545	2819.033	3939.000	281.247	U 67 7	%	53-100	
							R	20	
2-Nitroaniline, Solid	ug/Kg	3289.426	3371.608	3939.000	126.443	U 84 2	%	55-106	
							R	20	
2-Chloronaphthalene, Solid	ug/Kg	2951.635	3090.586	3939.000	63.812	U 75 4	%	59-114	
							R	20	
4-Chloro-3-methylphenol, Solid	ug/Kg	3306.327	3559.774	3939.000	100.445	U 84 7	%	56-110	
							R	20	
2,6-Dinitrotoluene, Solid	ug/Kg	3269.854	3538.788	3939.000	92.173	U 83 8	%	62-111	
							R	20	
2-Nitrophenol, Solid	ug/Kg	2485.890	2795.019	3939.000	90.992	U 63 12	%	53-102	
							R	20	
3-Nitroaniline, Solid	ug/Kg	2921.452	3084.060	3939.000	164.258	U 74 5	%	28-100	
							R	20	
Dimethyl phthalate, Solid	ug/Kg	3250.874	3404.784	3939.000	88.628	U 83 4	%	63-105	
							R	20	
2,4-Dinitrophenol, Solid	ug/Kg	2158.182	2460.052	3939.000	232.797	U 55 12	%	44-139	
							R	20	
Acenaphthylene, Solid	ug/Kg	2933.525	3062.089	3939.000	64.994	U 74 5	%	60-102	
							R	20	
2,4-Dinitrotoluene, Solid	ug/Kg	3240.397	3585.994	3939.000	87.446	U 82 10	%	61-113	
							R	20	
Acenaphthene, Solid	ug/Kg	4568.121	3410.149	3939.000	874.375	94 38	%	61-100	
							R	20	*
Dibenzofuran, Solid	ug/Kg	3619.934	3166.395	3939.000	393.879	82 16	%	62-108	
							R	20	
4-Nitrophenol, Solid	ug/Kg	3152.787	3734.430	3939.000	432.505	U 80 17	%	45-129	
							R	20	
Fluorene, Solid	ug/Kg	4209.616	3196.700	3939.000	1013.424	81 38	%	64-103	
							R	20	*
4-Nitroaniline, Solid	ug/Kg	2795.397	3074.028	3939.000	159.531	U 71 9	%	32-111	
							R	20	
4-Bromophenyl phenyl ether, Solid	ug/Kg	3903.056	3567.494	3939.000	108.717	U 99 8	%	62-108	
							R	20	
Hexachlorobenzene, Solid	ug/Kg	3696.204	3495.167	3939.000	83.901	U 94 5	%	62-105	
							R	20	
Diethyl phthalate, Solid	ug/Kg	3230.853	3552.263	3939.000	112.262	U 82 9	%	62-110	
							R	20	
4-Chlorophenyl phenyl ether, Solid	ug/Kg	2717.480	3224.000	3939.000	102.809	U 69 17	%	62-106	
							R	20	
Pentachlorophenol, Solid	ug/Kg	3645.698	4026.346	3939.000	218.616	U 93 9	%	43-122	
							R	20	
n-Nitrosodiphenylamine, Solid	ug/Kg	4177.515	3725.386	3939.000	127.625	U 106 11	%	63-108	
							R	20	
4,6-Dinitro-2-methylphenol, Solid	ug/Kg	2947.562	3266.243	3939.000	166.621	U 75 10	%	67-130	
							R	20	
Phenanthrene, Solid	ug/Kg	17496.590	4717.872	3939.000	8602.818	226 512	%	64-108	*
							R	20	*
Anthracene, Solid	ug/Kg	6423.626	3615.921	3939.000	1819.670	117 87	%	63-107	*
							R	20	*
Carbazole, Solid	ug/Kg	5954.876	3872.290	3939.000	992.895	126 53	%	62-104	*
							R	20	*
Di-n-butyl phthalate, Solid	ug/Kg	3616.122	3484.497	3939.000	85.083	U 92 4	%	58-117	
							R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	0021WL8NAA	211927-3		09/20/2002	2338

Parameter/Test Description	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.		Limits	
Benzidine, Solid	ug/Kg	2327.966	U	2327.966	U	3939.000	2327.966	U	37	%	10-100	
									28	R	20	
Fluoranthene, Solid	ug/Kg	18415.422		5269.376		3939.000	10359.657		205	%	56-116	*
									879	R	20	*
Pyrene, Solid	ug/Kg	15835.817		5178.351		3939.000	7961.865		200	%	51-123	
									420	R	20	
Butyl benzyl phthalate, Solid	ug/Kg	3745.458		3874.027		3939.000	135.897	U	95	%	56-113	
									3	R	20	
Benzo(a)anthracene, Solid	ug/Kg	12084.592		4182.793		3939.000	4387.845		195	%	62-109	
									211	R	20	
Chrysene, Solid	ug/Kg	13168.063		4280.868		3939.000	5346.339		199	%	60-106	
									263	R	20	*
3,3-Dichlorobenzidine, Solid	ug/Kg	3150.266		3624.495		3939.000	134.715	U	80	%	22-106	
									14	R	20	
Bis(2-ethylhexyl)phthalate, Solid	ug/Kg	3783.491		3802.310		3939.000	133.533	U	96	%	56-117	
									1	R	20	
Di-n-octyl phthalate, Solid	ug/Kg	3312.046		3879.321		3939.000	314.335	U	84	%	45-130	
									15	R	20	
Benzo(b)fluoranthene, Solid	ug/Kg	15281.438		4504.747		3939.000	4786.091		266	%	52-124	
									211	R	20	
Benzo(k)fluoranthene, Solid	ug/Kg	6973.200		3953.440		3939.000	3469.391		89	%	44-130	
									152	R	20	*
Benzo(a)pyrene, Solid	ug/Kg	10594.052		4172.159		3939.000	3720.833		175	%	53-121	
									176	R	20	
Indeno(1,2,3-cd)pyrene, Solid	ug/Kg	8504.703		3733.264		3939.000	2355.671		156	%	49-136	*
									127	R	20	*
Dibenzo(a,h)anthracene, Solid	ug/Kg	6015.296		3801.491		3939.000	1078.335		125	%	55-131	
									58	R	20	
Benzo(ghi)perylene, Solid	ug/Kg	8656.345		3915.986		3939.000	2551.533		155	%	48-139	
									126	R	20	*

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1		63411-006		09/15/2002	1328

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL5
Batch.....: 63482

Analyst...: jso

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	0.750	U							
Chloromethane, Solid	ug/Kg	0.940	U							
Vinyl chloride, Solid	ug/Kg	0.740	U							
Bromomethane, Solid	ug/Kg	2.900	U							
Chloroethane, Solid	ug/Kg	1.600	U							
Trichlorofluoromethane, Solid	ug/Kg	0.710	U							
1,1-Dichloroethene, Solid	ug/Kg	1.000	U							
Carbon disulfide, Solid	ug/Kg	2.000	U							
Acetone, Solid	ug/Kg	4.100	U							
Methylene chloride, Solid	ug/Kg	1.800	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	0.940	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	0.640	U							
1,1-Dichloroethane, Solid	ug/Kg	0.880	U							
2,2-Dichloropropane, Solid	ug/Kg	1.300	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	1.200	U							
2-Butanone (MEK), Solid	ug/Kg	4.200	U							
Bromochloromethane, Solid	ug/Kg	0.990	U							
Chloroform, Solid	ug/Kg	0.620	U							
1,1,1-Trichloroethane, Solid	ug/Kg	0.610	U							
1,1-Dichloropropene, Solid	ug/Kg	0.800	U							
Carbon tetrachloride, Solid	ug/Kg	0.830	U							
Benzene, Solid	ug/Kg	0.660	U							
1,2-Dichloroethane, Solid	ug/Kg	0.580	U							
Trichloroethene, Solid	ug/Kg	0.590	U							
1,2-Dichloropropane, Solid	ug/Kg	0.960	U							
Dibromomethane, Solid	ug/Kg	0.690	U							
Bromodichloromethane, Solid	ug/Kg	0.680	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	0.790	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	3.000	U							
Toluene, Solid	ug/Kg	1.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	0.840	U							
1,1,2-Trichloroethane, Solid	ug/Kg	0.710	U							
Tetrachloroethene, Solid	ug/Kg	0.670	U							
1,3-Dichloropropane, Solid	ug/Kg	0.930	U							
2-Hexanone, Solid	ug/Kg	1.700	U							
Dibromochloromethane, Solid	ug/Kg	0.690	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	0.760	U							
Chlorobenzene, Solid	ug/Kg	0.910	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	0.730	U							
Ethylbenzene, Solid	ug/Kg	1.100	U							
m&p-Xylenes, Solid	ug/Kg	2.100	U							
o-Xylene, Solid	ug/Kg	0.930	U							
Styrene, Solid	ug/Kg	1.000	U							
Bromoform, Solid	ug/Kg	0.910	U							
Isopropylbenzene, Solid	ug/Kg	0.750	U							
Bromobenzene, Solid	ug/Kg	0.710	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	0.640	U							
1,2,3-Trichloropropane, Solid	ug/Kg	1.100	U							
n-Propylbenzene, Solid	ug/Kg	0.860	U							
2-Chlorotoluene, Solid	ug/Kg	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1		63411 -006		09/15/2002	1328

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	0.580 U							
4-Chlorotoluene, Solid	ug/Kg	0.770 U							
tert-Butylbenzene, Solid	ug/Kg	0.780 U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	0.820 U							
sec-Butylbenzene, Solid	ug/Kg	0.810 U							
p-Isopropyltoluene, Solid	ug/Kg	0.680 U							
n-Butylbenzene, Solid	ug/Kg	0.840 U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	1.100 U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	0.990 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank		63411 -007		09/15/2002	1357

Test Method.....: 8260B Equipment Code....: GCL5 Analyst...: jso
Method Description.: Volatile Organics Batch.....: 63482

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	0.750	U							
Chloromethane, Solid	ug/Kg	0.940	U							
Vinyl chloride, Solid	ug/Kg	0.740	U							
Bromomethane, Solid	ug/Kg	2.900	U							
Chloroethane, Solid	ug/Kg	1.600	U							
Trichlorofluoromethane, Solid	ug/Kg	0.710	U							
1,1-Dichloroethene, Solid	ug/Kg	1.000	U							
Carbon disulfide, Solid	ug/Kg	2.000	U							
Acetone, Solid	ug/Kg	4.100	U							
Methylene chloride, Solid	ug/Kg	1.800	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	0.940	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	0.640	U							
1,1-Dichloroethane, Solid	ug/Kg	0.880	U							
2,2-Dichloropropane, Solid	ug/Kg	1.300	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	1.200	U							
2-Butanone (MEK), Solid	ug/Kg	4.200	U							
Bromochloromethane, Solid	ug/Kg	0.990	U							
Chloroform, Solid	ug/Kg	0.620	U							
1,1,1-Trichloroethane, Solid	ug/Kg	0.610	U							
1,1-Dichloropropene, Solid	ug/Kg	0.800	U							
Carbon tetrachloride, Solid	ug/Kg	0.830	U							
Benzene, Solid	ug/Kg	0.660	U							
1,2-Dichloroethane, Solid	ug/Kg	0.580	U							
Trichloroethene, Solid	ug/Kg	0.590	U							
1,2-Dichloropropane, Solid	ug/Kg	0.960	U							
Dibromomethane, Solid	ug/Kg	0.690	U							
Bromodichloromethane, Solid	ug/Kg	0.680	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	0.790	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	3.000	U							
Toluene, Solid	ug/Kg	1.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	0.840	U							
1,1,2-Trichloroethane, Solid	ug/Kg	0.710	U							
Tetrachloroethene, Solid	ug/Kg	0.670	U							
1,3-Dichloropropane, Solid	ug/Kg	0.930	U							
2-Hexanone, Solid	ug/Kg	1.700	U							
Dibromochloromethane, Solid	ug/Kg	0.690	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	0.760	U							
Chlorobenzene, Solid	ug/Kg	0.910	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	0.730	U							
Ethylbenzene, Solid	ug/Kg	1.100	U							
m&p-Xylenes, Solid	ug/Kg	2.100	U							
o-Xylene, Solid	ug/Kg	0.930	U							
Styrene, Solid	ug/Kg	1.000	U							
Bromoform, Solid	ug/Kg	0.910	U							
Isopropylbenzene, Solid	ug/Kg	0.750	U							
Bromobenzene, Solid	ug/Kg	0.710	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	0.640	U							
1,2,3-Trichloropropane, Solid	ug/Kg	1.100	U							
n-Propylbenzene, Solid	ug/Kg	0.860	U							
2-Chlorotoluene, Solid	ug/Kg	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank		63411 -007		09/15/2002	1357

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	0.580	U							
4-Chlorotoluene, Solid	ug/Kg	0.770	U							
tert-Butylbenzene, Solid	ug/Kg	0.780	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	0.820	U							
sec-Butylbenzene, Solid	ug/Kg	0.810	U							
p-Isopropyltoluene, Solid	ug/Kg	0.680	U							
n-Butylbenzene, Solid	ug/Kg	0.840	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	1.100	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	0.990	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V021150SB	62817 -016		09/15/2002	1201

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL5
Batch.....: 63482

Analyst...: jso

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	70.395		50.000	0.750 U	141	%	43-121	*
Chloromethane, Solid	ug/Kg	50.080		50.000	0.940 U	100	%	45-141	
Vinyl chloride, Solid	ug/Kg	60.704		50.000	0.740 U	121	%	58-140	
Bromomethane, Solid	ug/Kg	32.301		50.000	2.900 U	65	%	48-127	
Chloroethane, Solid	ug/Kg	73.316		50.000	1.600 U	147	%	59-163	
Trichlorofluoromethane, Solid	ug/Kg	52.711		50.000	0.710 U	105	%	57-135	
1,1-Dichloroethene, Solid	ug/Kg	48.094		50.000	1.000 U	96	%	51-132	
Carbon disulfide, Solid	ug/Kg	39.557		50.000	2.000 U	79	%	23-138	
Acetone, Solid	ug/Kg	53.687		50.000	4.100 U	107	%	46-167	
Methylene chloride, Solid	ug/Kg	54.369		50.000	1.800 U	109	%	58-143	
trans-1,2-Dichloroethene, Solid	ug/Kg	49.171		50.000	0.940 U	98	%	58-139	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	53.644		50.000	0.640 U	107	%	61-132	
1,1-Dichloroethane, Solid	ug/Kg	51.746		50.000	0.880 U	103	%	63-133	
2,2-Dichloropropane, Solid	ug/Kg	54.497		50.000	1.300 U	109	%	67-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	52.230		50.000	1.200 U	104	%	68-148	
2-Butanone (MEK), Solid	ug/Kg	44.140		50.000	4.200 U	88	%	50-150	
Bromochloromethane, Solid	ug/Kg	52.090		50.000	0.990 U	104	%	68-129	
Chloroform, Solid	ug/Kg	53.334		50.000	0.620 U	107	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	52.991		50.000	0.610 U	106	%	63-133	
1,1-Dichloropropene, Solid	ug/Kg	51.207		50.000	0.800 U	102	%	78-148	
Carbon tetrachloride, Solid	ug/Kg	53.109		50.000	0.830 U	106	%	67-127	
Benzene, Solid	ug/Kg	52.634		50.000	0.660 U	105	%	72-128	
1,2-Dichloroethane, Solid	ug/Kg	54.397		50.000	0.580 U	109	%	69-125	
Trichloroethene, Solid	ug/Kg	51.345		50.000	0.590 U	103	%	75-129	
1,2-Dichloropropane, Solid	ug/Kg	53.562		50.000	0.960 U	107	%	76-132	
Dibromomethane, Solid	ug/Kg	52.461		50.000	0.690 U	105	%	70-130	
Bromodichloromethane, Solid	ug/Kg	54.010		50.000	0.680 U	108	%	74-128	
cis-1,3-Dichloropropene, Solid	ug/Kg	53.656		52.000	0.790 U	103	%	80-124	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	51.420		50.000	3.000 U	103	%	68-134	
Toluene, Solid	ug/Kg	52.862		50.000	1.000 U	106	%	75-125	
trans-1,3-Dichloropropene, Solid	ug/Kg	50.114		48.000	0.840 U	104	%	75-134	
1,1,2-Trichloroethane, Solid	ug/Kg	52.666		50.000	0.710 U	105	%	71-143	
Tetrachloroethene, Solid	ug/Kg	49.717		50.000	0.670 U	99	%	75-129	
1,3-Dichloropropane, Solid	ug/Kg	51.201		50.000	0.930 U	102	%	78-127	
2-Hexanone, Solid	ug/Kg	49.057		50.000	1.700 U	98	%	69-140	
Dibromochloromethane, Solid	ug/Kg	50.123		50.000	0.690 U	100	%	77-127	
1,2-Dibromoethane (EDB), Solid	ug/Kg	52.086		50.000	0.760 U	104	%	72-133	
Chlorobenzene, Solid	ug/Kg	50.746		50.000	0.910 U	101	%	83-125	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	51.342		50.000	0.730 U	103	%	83-123	
Ethylbenzene, Solid	ug/Kg	51.979		50.000	1.100 U	104	%	79-123	
m&p-Xylenes, Solid	ug/Kg	107.138		100.000	2.100 U	107	%	79-123	
o-Xylene, Solid	ug/Kg	52.952		50.000	0.930 U	106	%	80-123	
Styrene, Solid	ug/Kg	52.681		50.000	1.000 U	105	%	85-126	
Bromoform, Solid	ug/Kg	49.225		50.000	0.910 U	98	%	78-132	
Isopropylbenzene, Solid	ug/Kg	47.548		50.000	0.750 U	95	%	77-118	
Bromobenzene, Solid	ug/Kg	47.582		50.000	0.710 U	95	%	81-123	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	47.417		50.000	0.640 U	95	%	68-139	
1,2,3-Trichloropropane, Solid	ug/Kg	47.250		50.000	1.100 U	95	%	71-129	
n-Propylbenzene, Solid	ug/Kg	48.442		50.000	0.860 U	97	%	77-124	
2-Chlorotoluene, Solid	ug/Kg	48.939		50.000	1.000 U	98	%	63-137	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V02115DSB	62817 -016		09/15/2002	1201

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	50.175		50.000	0.580 U	100	%	72-128	
4-Chlorotoluene, Solid	ug/Kg	50.008		50.000	0.770 U	100	%	76-123	
tert-Butylbenzene, Solid	ug/Kg	49.213		50.000	0.780 U	98	%	79-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	52.548		50.000	0.820 U	105	%	74-133	
sec-Butylbenzene, Solid	ug/Kg	50.568		50.000	0.810 U	101	%	77-128	
p-Isopropyltoluene, Solid	ug/Kg	52.454		50.000	0.680 U	105	%	74-126	
n-Butylbenzene, Solid	ug/Kg	54.577		50.000	0.840 U	109	%	65-138	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	46.703		50.000	1.100 U	93	%	59-124	
1,2,3-Trichlorobenzene, Solid	ug/Kg	48.189		50.000	0.990 U	96	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V02I19DSB	63292-009		09/19/2002	1018

Test Method.....: 8260B Equipment Code....: GCL5 Analyst...: jso
Method Description.: Volatile Organics Batch.....: 63482

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	50.654		50.000	0.750 U	101	%	43-121	
Chloromethane, Solid	ug/Kg	43.040		50.000	0.940 U	86	%	45-141	
Vinyl chloride, Solid	ug/Kg	50.011		50.000	0.740 U	100	%	58-140	
Bromomethane, Solid	ug/Kg	31.147		50.000	2.900 U	62	%	48-127	
Chloroethane, Solid	ug/Kg	58.062		50.000	1.600 U	116	%	59-163	
Trichlorofluoromethane, Solid	ug/Kg	46.585		50.000	0.710 U	93	%	57-135	
1,1-Dichloroethene, Solid	ug/Kg	46.377		50.000	1.000 U	93	%	51-132	
Carbon disulfide, Solid	ug/Kg	46.060		50.000	2.000 U	92	%	23-138	
Acetone, Solid	ug/Kg	57.851		50.000	4.100 U	116	%	46-167	
Methylene chloride, Solid	ug/Kg	42.030		50.000	1.800 U	84	%	58-143	
trans-1,2-Dichloroethene, Solid	ug/Kg	46.300		50.000	0.940 U	93	%	58-139	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	49.644		50.000	0.640 U	99	%	61-132	
1,1-Dichloroethane, Solid	ug/Kg	45.932		50.000	0.880 U	92	%	63-133	
2,2-Dichloropropane, Solid	ug/Kg	48.371		50.000	1.300 U	97	%	67-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	48.808		50.000	1.200 U	98	%	68-148	
2-Butanone (MEK), Solid	ug/Kg	57.572		50.000	4.200 U	115	%	50-150	
Bromochloromethane, Solid	ug/Kg	34.767		50.000	0.990 U	70	%	68-129	
Chloroform, Solid	ug/Kg	45.495		50.000	0.620 U	91	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	48.278		50.000	0.610 U	97	%	63-133	
1,1-Dichloropropene, Solid	ug/Kg	45.418		50.000	0.800 U	91	%	78-148	
Carbon tetrachloride, Solid	ug/Kg	40.966		50.000	0.830 U	82	%	67-127	
Benzene, Solid	ug/Kg	46.420		50.000	0.660 U	93	%	72-128	
1,2-Dichloroethane, Solid	ug/Kg	44.756		50.000	0.580 U	90	%	69-125	
Trichloroethene, Solid	ug/Kg	39.080		50.000	0.590 U	78	%	75-129	
1,2-Dichloropropane, Solid	ug/Kg	42.969		50.000	0.960 U	86	%	76-132	
Dibromomethane, Solid	ug/Kg	37.881		50.000	0.690 U	76	%	70-130	
Bromodichloromethane, Solid	ug/Kg	39.034		50.000	0.680 U	78	%	74-128	
cis-1,3-Dichloropropene, Solid	ug/Kg	44.550		52.000	0.790 U	86	%	80-124	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	57.299		50.000	3.000 U	115	%	68-134	
Toluene, Solid	ug/Kg	48.226		50.000	1.000 U	96	%	75-125	
trans-1,3-Dichloropropene, Solid	ug/Kg	42.360		48.000	0.840 U	88	%	75-134	
1,1,2-Trichloroethane, Solid	ug/Kg	49.667		50.000	0.710 U	99	%	71-143	
Tetrachloroethene, Solid	ug/Kg	38.123		50.000	0.670 U	76	%	75-129	
1,3-Dichloropropane, Solid	ug/Kg	45.628		50.000	0.930 U	91	%	78-127	
2-Hexanone, Solid	ug/Kg	60.073		50.000	1.700 U	120	%	69-140	
Dibromochloromethane, Solid	ug/Kg	36.563		50.000	0.690 U	73	%	77-127	*
1,2-Dibromoethane (EDB), Solid	ug/Kg	41.100		50.000	0.760 U	82	%	72-133	
Chlorobenzene, Solid	ug/Kg	44.528		50.000	0.910 U	89	%	83-125	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	40.136		50.000	0.730 U	80	%	83-123	*
Ethylbenzene, Solid	ug/Kg	49.116		50.000	1.100 U	98	%	79-123	
m&p-Xylenes, Solid	ug/Kg	99.282		100.000	2.100 U	99	%	79-123	
o-Xylene, Solid	ug/Kg	47.065		50.000	0.930 U	94	%	80-123	
Styrene, Solid	ug/Kg	48.735		50.000	1.000 U	97	%	85-126	
Bromoform, Solid	ug/Kg	38.474		50.000	0.910 U	77	%	78-132	*
Isopropylbenzene, Solid	ug/Kg	54.976		50.000	0.750 U	110	%	77-118	
Bromobenzene, Solid	ug/Kg	43.184		50.000	0.710 U	86	%	81-123	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	48.681		50.000	0.640 U	97	%	68-139	
1,2,3-Trichloropropane, Solid	ug/Kg	54.214		50.000	1.100 U	108	%	71-129	
n-Propylbenzene, Solid	ug/Kg	51.402		50.000	0.860 U	103	%	77-124	
2-Chlorotoluene, Solid	ug/Kg	50.591		50.000	1.000 U	101	%	63-137	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V02119DSB	63292 -009		09/19/2002	1018

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	54.124		50.000	0.580 U	108	%	72-128	
4-Chlorotoluene, Solid	ug/Kg	50.524		50.000	0.770 U	101	%	76-123	
tert-Butylbenzene, Solid	ug/Kg	52.346		50.000	0.780 U	105	%	79-124	
1,2,4-Trimethylbenzene, Solid	ug/Kg	55.892		50.000	0.820 U	112	%	74-133	
sec-Butylbenzene, Solid	ug/Kg	56.419		50.000	0.810 U	113	%	77-128	
p-Isopropyltoluene, Solid	ug/Kg	53.016		50.000	0.680 U	106	%	74-126	
n-Butylbenzene, Solid	ug/Kg	55.126		50.000	0.840 U	110	%	65-138	
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	46.734		50.000	1.100 U	93	%	59-124	
1,2,3-Trichlorobenzene, Solid	ug/Kg	53.130		50.000	0.990 U	106	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		62817 -015		09/15/2002	1128

Test Method.....: 8260B Equipment Code....: GCL5 Analyst...: jso
Method Description.: Volatile Organics Batch.....: 63482

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	0.750	U							
Chloromethane, Solid	ug/Kg	0.940	U							
Vinyl chloride, Solid	ug/Kg	0.740	U							
Bromomethane, Solid	ug/Kg	2.900	U							
Chloroethane, Solid	ug/Kg	1.600	U							
Trichlorofluoromethane, Solid	ug/Kg	0.710	U							
1,1-Dichloroethene, Solid	ug/Kg	1.000	U							
Carbon disulfide, Solid	ug/Kg	2.000	U							
Acetone, Solid	ug/Kg	4.100	U							
Methylene chloride, Solid	ug/Kg	1.800	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	0.940	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	0.640	U							
1,1-Dichloroethane, Solid	ug/Kg	0.880	U							
2,2-Dichloropropane, Solid	ug/Kg	1.300	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	1.200	U							
2-Butanone (MEK), Solid	ug/Kg	4.200	U							
Bromochloromethane, Solid	ug/Kg	0.990	U							
Chloroform, Solid	ug/Kg	0.620	U							
1,1,1-Trichloroethane, Solid	ug/Kg	0.610	U							
1,1-Dichloropropene, Solid	ug/Kg	0.800	U							
Carbon tetrachloride, Solid	ug/Kg	0.830	U							
Benzene, Solid	ug/Kg	0.660	U							
1,2-Dichloroethane, Solid	ug/Kg	0.580	U							
Trichloroethene, Solid	ug/Kg	0.590	U							
1,2-Dichloropropane, Solid	ug/Kg	0.960	U							
Dibromomethane, Solid	ug/Kg	0.690	U							
Bromodichloromethane, Solid	ug/Kg	0.680	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	0.790	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	3.000	U							
Toluene, Solid	ug/Kg	1.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	0.840	U							
1,1,2-Trichloroethane, Solid	ug/Kg	0.710	U							
Tetrachloroethene, Solid	ug/Kg	0.670	U							
1,3-Dichloropropane, Solid	ug/Kg	0.930	U							
2-Hexanone, Solid	ug/Kg	1.700	U							
Dibromochloromethane, Solid	ug/Kg	0.690	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	0.760	U							
Chlorobenzene, Solid	ug/Kg	0.910	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	0.730	U							
Ethylbenzene, Solid	ug/Kg	1.100	U							
m&p-Xylenes, Solid	ug/Kg	2.100	U							
o-Xylene, Solid	ug/Kg	0.930	U							
Styrene, Solid	ug/Kg	1.000	U							
Bromoform, Solid	ug/Kg	0.910	U							
Isopropylbenzene, Solid	ug/Kg	0.750	U							
Bromobenzene, Solid	ug/Kg	0.710	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	0.640	U							
1,2,3-Trichloropropane, Solid	ug/Kg	1.100	U							
n-Propylbenzene, Solid	ug/Kg	0.860	U							
2-Chlorotoluene, Solid	ug/Kg	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		62817-015		09/15/2002	1128

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	0.580	U							
4-Chlorotoluene, Solid	ug/Kg	0.770	U							
tert-Butylbenzene, Solid	ug/Kg	0.780	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	0.820	U							
sec-Butylbenzene, Solid	ug/Kg	0.810	U							
p-Isopropyltoluene, Solid	ug/Kg	0.680	U							
n-Butylbenzene, Solid	ug/Kg	0.840	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	1.100	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	0.990	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		63292 -008		09/19/2002	0934

Test Method.....: 8260B Equipment Code....: GCL5 Analyst...: jso
Method Description.: Volatile Organics Batch.....: 63482

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	0.750	U							
Chloromethane, Solid	ug/Kg	0.940	U							
Vinyl chloride, Solid	ug/Kg	0.740	U							
Bromomethane, Solid	ug/Kg	2.900	U							
Chloroethane, Solid	ug/Kg	1.600	U							
Trichlorofluoromethane, Solid	ug/Kg	0.710	U							
1,1-Dichloroethene, Solid	ug/Kg	1.000	U							
Carbon disulfide, Solid	ug/Kg	2.000	U							
Acetone, Solid	ug/Kg	4.100	U							
Methylene chloride, Solid	ug/Kg	1.800	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	0.940	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	0.640	U							
1,1-Dichloroethane, Solid	ug/Kg	0.880	U							
2,2-Dichloropropane, Solid	ug/Kg	1.300	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	1.200	U							
2-Butanone (MEK), Solid	ug/Kg	4.200	U							
Bromochloromethane, Solid	ug/Kg	0.990	U							
Chloroform, Solid	ug/Kg	0.620	U							
1,1,1-Trichloroethane, Solid	ug/Kg	0.610	U							
1,1-Dichloropropene, Solid	ug/Kg	0.800	U							
Carbon tetrachloride, Solid	ug/Kg	0.830	U							
Benzene, Solid	ug/Kg	0.660	U							
1,2-Dichloroethane, Solid	ug/Kg	0.580	U							
Trichloroethene, Solid	ug/Kg	0.590	U							
1,2-Dichloropropane, Solid	ug/Kg	0.960	U							
Dibromomethane, Solid	ug/Kg	0.690	U							
Bromodichloromethane, Solid	ug/Kg	0.680	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	0.790	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	3.000	U							
Toluene, Solid	ug/Kg	1.000	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	0.840	U							
1,1,2-Trichloroethane, Solid	ug/Kg	0.710	U							
Tetrachloroethene, Solid	ug/Kg	0.670	U							
1,3-Dichloropropane, Solid	ug/Kg	0.930	U							
2-Hexanone, Solid	ug/Kg	1.700	U							
Dibromochloromethane, Solid	ug/Kg	0.690	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	0.760	U							
Chlorobenzene, Solid	ug/Kg	0.910	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	0.730	U							
Ethylbenzene, Solid	ug/Kg	1.100	U							
m&p-Xylenes, Solid	ug/Kg	2.100	U							
o-Xylene, Solid	ug/Kg	0.930	U							
Styrene, Solid	ug/Kg	1.000	U							
Bromoform, Solid	ug/Kg	0.910	U							
Isopropylbenzene, Solid	ug/Kg	0.750	U							
Bromobenzene, Solid	ug/Kg	0.710	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	0.640	U							
1,2,3-Trichloropropane, Solid	ug/Kg	1.100	U							
n-Propylbenzene, Solid	ug/Kg	0.860	U							
2-Chlorotoluene, Solid	ug/Kg	1.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		63292 -008		09/19/2002	0934

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,3,5-Trimethylbenzene, Solid	ug/Kg	0.580	U							
4-Chlorotoluene, Solid	ug/Kg	0.770	U							
tert-Butylbenzene, Solid	ug/Kg	0.780	U							
1,2,4-Trimethylbenzene, Solid	ug/Kg	0.820	U							
sec-Butylbenzene, Solid	ug/Kg	0.810	U							
p-Isopropyltoluene, Solid	ug/Kg	0.680	U							
n-Butylbenzene, Solid	ug/Kg	0.840	U							
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	1.100	U							
1,2,3-Trichlorobenzene, Solid	ug/Kg	0.990	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B Equipment Code....: ICP3 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 63630

LCS	Laboratory Control Sample	M02ISPK004	62896 -002		09/23/2002 1144

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	205.53		200.00	2.50	B 103	%	80-120	
Antimony, Solid	mg/Kg	44.89		50.00	0.90	U 90	%	80-120	
Arsenic, Solid	mg/Kg	9.32		10.00	0.51	U 93	%	80-120	
Barium, Solid	mg/Kg	190.35		200.00	0.16	U 95	%	80-120	
Beryllium, Solid	mg/Kg	4.46		5.00	0.04	U 89	%	80-120	
Cadmium, Solid	mg/Kg	4.57		5.00	0.08	U 91	%	80-120	
Calcium, Solid	mg/Kg	924.21		1000.00	7.69	B 92	%	80-120	
Chromium, Solid	mg/Kg	19.12		20.00	0.22	U 96	%	80-120	
Cobalt, Solid	mg/Kg	46.63		50.00	0.14	U 93	%	80-120	
Copper, Solid	mg/Kg	24.73		25.00	0.90	U 99	%	80-120	
Iron, Solid	mg/Kg	100.05		100.00	4.18	B 100	%	80-120	
Lead, Solid	mg/Kg	9.85		10.00	0.43	U 98	%	80-120	
Magnesium, Solid	mg/Kg	943.36		1000.00	2.00	B 94	%	80-120	
Manganese, Solid	mg/Kg	47.92		50.00	0.13	U 96	%	80-120	
Nickel, Solid	mg/Kg	46.01		50.00	0.44	B 92	%	80-120	
Potassium, Solid	mg/Kg	872.98		1000.00	15.36	B 87	%	80-120	
Selenium, Solid	mg/Kg	9.47		10.00	0.40	U 95	%	80-120	
Silver, Solid	mg/Kg	4.66		5.00	0.31	U 93	%	80-120	
Thallium, Solid	mg/Kg	9.55		10.00	0.66	U 95	%	80-120	
Vanadium, Solid	mg/Kg	47.45		50.00	0.21	U 95	%	80-120	
Zinc, Solid	mg/Kg	46.77		50.00	0.40	U 94	%	80-120	

LCS	Laboratory Control Sample	M02ISPK004	63406 -002		09/23/2002 1400

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony, Solid	mg/Kg	46.39		50.00	0.90	U 93	%	80-120	
Arsenic, Solid	mg/Kg	9.59		10.00	0.51	U 96	%	80-120	
Barium, Solid	mg/Kg	197.01		200.00	0.16	U 99	%	80-120	
Beryllium, Solid	mg/Kg	4.58		5.00	0.04	U 92	%	80-120	
Cadmium, Solid	mg/Kg	4.66		5.00	0.08	U 93	%	80-120	
Chromium, Solid	mg/Kg	19.86		20.00	0.22	U 99	%	80-120	
Copper, Solid	mg/Kg	24.76		25.00	0.90	U 99	%	80-120	
Iron, Solid	mg/Kg	92.66		100.00	5.06	93	%	80-120	
Lead, Solid	mg/Kg	10.07		10.00	0.43	U 101	%	80-120	
Magnesium, Solid	mg/Kg	959.63		1000.00	1.70	U 96	%	80-120	
Manganese, Solid	mg/Kg	49.33		50.00	0.13	U 99	%	80-120	
Nickel, Solid	mg/Kg	46.64		50.00	0.25	U 93	%	80-120	
Potassium, Solid	mg/Kg	817.08		1000.00	20.10	B 82	%	80-120	
Selenium, Solid	mg/Kg	9.22		10.00	0.40	U 92	%	80-120	
Silver, Solid	mg/Kg	4.86		5.00	0.31	U 97	%	80-120	
Thallium, Solid	mg/Kg	9.71		10.00	0.66	U 97	%	80-120	
Vanadium, Solid	mg/Kg	48.83		50.00	0.21	U 98	%	80-120	
Zinc, Solid	mg/Kg	46.90		50.00	0.40	U 94	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B Equipment Code....: ICP3 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 63630

MB	Method Blank	62896	62896 -001		09/23/2002	1138

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	2.50	B							
Antimony, Solid	mg/Kg	0.90	U							
Arsenic, Solid	mg/Kg	0.51	U							
Barium, Solid	mg/Kg	0.16	U							
Beryllium, Solid	mg/Kg	0.04	U							
Cadmium, Solid	mg/Kg	0.08	U							
Calcium, Solid	mg/Kg	7.69	B							
Chromium, Solid	mg/Kg	0.22	U							
Cobalt, Solid	mg/Kg	0.14	U							
Copper, Solid	mg/Kg	0.90	U							
Iron, Solid	mg/Kg	4.18	B							
Lead, Solid	mg/Kg	0.43	U							
Magnesium, Solid	mg/Kg	2.00	B							
Manganese, Solid	mg/Kg	0.13	U							
Nickel, Solid	mg/Kg	0.44	B							
Potassium, Solid	mg/Kg	15.36	B							
Selenium, Solid	mg/Kg	0.40	U							
Silver, Solid	mg/Kg	0.31	U							
Thallium, Solid	mg/Kg	0.66	U							
Vanadium, Solid	mg/Kg	0.21	U							
Zinc, Solid	mg/Kg	0.40	U							

MB	Method Blank	63406	63406 -001		09/23/2002	1354

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony, Solid	mg/Kg	0.90	U							
Arsenic, Solid	mg/Kg	0.51	U							
Barium, Solid	mg/Kg	0.16	U							
Beryllium, Solid	mg/Kg	0.04	U							
Cadmium, Solid	mg/Kg	0.08	U							
Chromium, Solid	mg/Kg	0.22	U							
Copper, Solid	mg/Kg	0.90	U							
Iron, Solid	mg/Kg	5.06								H
Lead, Solid	mg/Kg	0.43	U							
Magnesium, Solid	mg/Kg	1.70	U							
Manganese, Solid	mg/Kg	0.13	U							
Nickel, Solid	mg/Kg	0.25	U							
Potassium, Solid	mg/Kg	20.10	B							
Selenium, Solid	mg/Kg	0.40	U							
Silver, Solid	mg/Kg	0.31	U							
Thallium, Solid	mg/Kg	0.66	U							
Vanadium, Solid	mg/Kg	0.21	U							
Zinc, Solid	mg/Kg	0.40	U							

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	63409	63409-001		09/23/2002	1933

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron	mg/L	0.03960 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		211927-1		09/23/2002	1157

Test Method.....: 6010B Equipment Code....: ICP3 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 63630

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	9501.56			9942.37	4.5	R	20.0	
Antimony, Solid	mg/Kg	0.69	U		0.69	U			
Arsenic, Solid	mg/Kg	5.75			5.68	1.2	R	20.0	
Barium, Solid	mg/Kg	111.15			140.05	23.0	R	20.0	*
Beryllium, Solid	mg/Kg	0.26	B		0.28	B 0.02	A	0.31	
Cadmium, Solid	mg/Kg	0.26			0.16	0.09	A	0.15	
Calcium, Solid	mg/Kg	54949.47			27222.77	67.5	R	20.0	
Chromium, Solid	mg/Kg	17.39			17.65	1.5	R	20.0	
Cobalt, Solid	mg/Kg	5.76			6.09	5.5	R	20.0	
Copper, Solid	mg/Kg	12.30			13.17	6.8	R	20.0	
Iron, Solid	mg/Kg	13997.69			14479.63	3.4	R	20.0	
Lead, Solid	mg/Kg	15.94			19.30	19.1	R	20.0	
Magnesium, Solid	mg/Kg	3421.98			3305.96	3.4	R	20.0	
Manganese, Solid	mg/Kg	351.18			361.18	2.8	R	20.0	
Nickel, Solid	mg/Kg	13.70			14.07	2.6	R	20.0	
Potassium, Solid	mg/Kg	1286.04			1202.18	6.7	R	20.0	
Selenium, Solid	mg/Kg	0.31	U		0.31	U			
Silver, Solid	mg/Kg	0.24	U		0.24	U 0.04	A	0.38	
Thallium, Solid	mg/Kg	0.50	U		0.50	U 0.03	A	0.76	
Vanadium, Solid	mg/Kg	28.99			30.14	3.9	R	20.0	
Zinc, Solid	mg/Kg	61.49			56.20	9.0	R	20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M021SPK004	211927-1		09/23/2002	1203

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 63630

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	12364.09		147.80	9942.37		1638	%	75-125	4
Antimony, Solid	mg/Kg	12.65		36.96	0.67	U	34	%	75-125	N
Arsenic, Solid	mg/Kg	11.19		7.39	5.68		75	%	75-125	
Barium, Solid	mg/Kg	247.64		147.80	140.05		73	%	75-125	N
Beryllium, Solid	mg/Kg	3.12		3.70	0.28	B	84	%	75-125	
Cadmium, Solid	mg/Kg	3.00		3.70	0.16		77	%	75-125	
Calcium, Solid	mg/Kg	30126.48		739.10	27222.77		393	%	75-125	4
Chromium, Solid	mg/Kg	33.10		14.78	17.65		105	%	75-125	
Cobalt, Solid	mg/Kg	34.45		36.96	6.09		77	%	75-125	
Copper, Solid	mg/Kg	28.81		18.48	13.17		85	%	75-125	
Iron, Solid	mg/Kg	14560.86		73.91	14479.63		110	%	75-125	4
Lead, Solid	mg/Kg	20.92		7.39	19.30		22	%	75-125	N
Magnesium, Solid	mg/Kg	4116.51		739.10	3305.96		110	%	75-125	4
Manganese, Solid	mg/Kg	360.92		36.96	361.18		-1	%	75-125	4
Nickel, Solid	mg/Kg	42.33		36.96	14.07		76	%	75-125	
Potassium, Solid	mg/Kg	2269.63		739.10	1202.18		144	%	75-125	N
Selenium, Solid	mg/Kg	5.83		7.39	0.30	U	79	%	75-125	
Silver, Solid	mg/Kg	3.19		3.70	0.23	U	86	%	75-125	
Thallium, Solid	mg/Kg	6.39		7.39	0.49	U	86	%	75-125	
Vanadium, Solid	mg/Kg	64.29		36.96	30.14		92	%	75-125	
Zinc, Solid	mg/Kg	87.41		36.96	56.20		84	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M02ISPK004	211927-1		09/23/2002	1209

Test Method.....: 6010B Equipment Code....: ICP3 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 63630

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	13168.82	12364.09	146.70	9942.37		2199	%	75-125	4
							29.2	R	20	*
Antimony, Solid	mg/Kg	13.27	12.65	36.68	0.66	U	36	%	75-125	N
							5.7	R	20	
Arsenic, Solid	mg/Kg	11.61	11.19	7.34	5.68		81	%	75-125	
							7.7	R	20	
Barium, Solid	mg/Kg	469.91	247.64	146.70	140.05		225	%	75-125	N
							102.0	R	20	*
Beryllium, Solid	mg/Kg	3.07	3.12	3.67	0.28	B	84	%	75-125	
							0.0	R	20	
Cadmium, Solid	mg/Kg	3.03	3.00	3.67	0.16		78	%	75-125	
							1.3	R	20	
Calcium, Solid	mg/Kg	23273.12	30126.48	733.60	27222.77		-538	%	75-125	4
							-1284.1	R	20	
Chromium, Solid	mg/Kg	42.31	33.10	14.67	17.65		168	%	75-125	N
							46.2	R	20	*
Cobalt, Solid	mg/Kg	34.14	34.45	36.68	6.09		76	%	75-125	
							1.3	R	20	
Copper, Solid	mg/Kg	28.67	28.81	18.34	13.17		85	%	75-125	
							0.0	R	20	
Iron, Solid	mg/Kg	15635.12	14560.86	73.36	14479.63		1575	%	75-125	4
							173.9	R	20	*
Lead, Solid	mg/Kg	170.16	20.92	7.34	19.30		2057	%	75-125	N
							195.8	R	20	*
Magnesium, Solid	mg/Kg	4066.22	4116.51	733.60	3305.96		104	%	75-125	4
							5.6	R	20	
Manganese, Solid	mg/Kg	373.76	360.92	36.68	361.18		34	%	75-125	4
							212.1	R	20	*
Nickel, Solid	mg/Kg	42.04	42.33	36.68	14.07		76	%	75-125	
							0.0	R	20	
Potassium, Solid	mg/Kg	2370.19	2269.63	733.60	1202.18		159	%	75-125	N
							9.9	R	20	
Selenium, Solid	mg/Kg	5.76	5.83	7.34	0.29	U	79	%	75-125	
							0.0	R	20	
Silver, Solid	mg/Kg	3.13	3.19	3.67	0.23	U	85	%	75-125	
							1.2	R	20	
Thallium, Solid	mg/Kg	6.41	6.39	7.34	0.48	U	87	%	75-125	
							1.2	R	20	
Vanadium, Solid	mg/Kg	66.13	64.29	36.68	30.14		98	%	75-125	
							6.3	R	20	
Zinc, Solid	mg/Kg	105.69	87.41	36.68	56.20		135	%	75-125	N
							46.6	R	20	*

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		211927-1		09/23/2002	1215

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 63630

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits		F
Aluminum, Solid	mg/Kg	2252.89			9942.37	13.3		D 10.0		E
Antimony, Solid	mg/Kg	0.68	U		0.68	U				
Arsenic, Solid	mg/Kg	1.44			5.68					
Barium, Solid	mg/Kg	31.26			140.05	11.6		D 10.0	*	E
Beryllium, Solid	mg/Kg	0.07	B		0.28	B				
Cadmium, Solid	mg/Kg	0.06	U		0.16					
Calcium, Solid	mg/Kg	6040.98			27222.77	11.0		D 10.0		E
Chromium, Solid	mg/Kg	4.09			17.65	15.7		D 10.0		E
Cobalt, Solid	mg/Kg	1.42			6.09	16.9		D 10.0		E
Copper, Solid	mg/Kg	2.84			13.17					
Iron, Solid	mg/Kg	3325.70			14479.63	14.8		D 10.0		E
Lead, Solid	mg/Kg	4.48			19.30	16.1		D 10.0		E
Magnesium, Solid	mg/Kg	758.89			3305.96	14.8		D 10.0		E
Manganese, Solid	mg/Kg	83.19			361.18	15.2		D 10.0		E
Nickel, Solid	mg/Kg	3.33			14.07	18.2		D 10.0		E
Potassium, Solid	mg/Kg	226.07			1202.18	6.0		D 10.0		
Selenium, Solid	mg/Kg	0.30	U		0.30	U				
Silver, Solid	mg/Kg	0.24	U		0.24	U				
Thallium, Solid	mg/Kg	0.50	U		0.50	U				
Vanadium, Solid	mg/Kg	6.81			30.14	13.0		D 10.0		E
Zinc, Solid	mg/Kg	12.72			56.20	13.2		D 10.0		E

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M02ISPK004	62896 -002		09/24/2002	1140

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 63672

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	916.36		1000.00		92	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	62896	62896-001		09/24/2002	1133

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 63672

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	86.70	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

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QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		211927-1		09/24/2002	1152

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 63672

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	795.29			757.25	4.9	R	20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M02ISPK004	211927-1		09/24/2002	1158

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 63672

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	1531.33		739.10	757.25	105	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927

Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M02ISPK004	211927-1		09/24/2002	1204

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 63672

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	1527.79	1531.33	733.60	757.25	105	%	75-125	
						0.0	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		211927-1		09/24/2002	1212

Test Method.....: 6010B Equipment Code....: ICP4 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 63672

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	158.45			757.25				

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT SERVICES

STL Chicago

QUALITY CONTROL RESULTS

Job Number.: 211927 Report Date.: 09/26/2002

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Test Method.....: Method
Method Description.: % Solids Determination
Parameter.....: % Solids
Batch.....: 62415
Equipment Code....:
Analyst...: clb
Test Code.: %SOLID

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	62415-001		%	0.1000 U								09/12/2002	0008

Test Method.....: 9014/9010B
Method Description.: Cyanide (Colorimetric)
Parameter.....: Cyanide, Total
Batch.....: 63170
Equipment Code....: SPEC1
Analyst...: rnm
Test Code.: CN

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	63170 -004		mg/L	0.00320 U								09/18/2002	1437
LCS	63170 -005	I02FSTCN2	mg/L	0.09640		0.09600	0.00320 U	100		%	80-120	09/18/2002	1437

Test Method.....: 4500PE
Method Description.: Phosphorous, All Forms
Parameter.....: Phosphorous, Total as P
Batch.....: 63806
Equipment Code....: SPEC1
Analyst...: cvw
Test Code.: PTOT

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	63806 -004		mg/L	0.00600 B								09/25/2002	1611
LCS	63806 -005	I02BSTPS2	mg/L	0.52400		0.50000	0.00600 B	105		%	80-120	09/25/2002	1611
MS	211927-1	I02BSTPS2	mg/Kg	877.31		10990.00	509.25	67	N	%	75-125	09/25/2002	1619
MSD	211927-1	I02BSTPS2	mg/Kg	878.56	877.31	10740.00	509.25	69	N	%	75-125	09/25/2002	1620
								2.9		R	20		

Test Method.....: 7471A
Method Description.: Mercury (CVAA) Solids
Parameter.....: Mercury
Batch.....: 63552
Equipment Code....: HG4
Analyst...: gok
Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	63433 -007		mg/Kg	0.01 U								09/23/2002	1159
LCS	63433 -008	M02ESTK010	mg/Kg	0.33		0.33	0.01 U	98		%	80-120	09/23/2002	1201
MD	211927-1		mg/Kg	0.02 B			0.02 B	0.00		A	0.04	09/23/2002	1212
MS	211927-1	M01JSTK012	mg/Kg	0.23		0.20	0.02 B	116		%	75-125	09/23/2002	1219

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/26/2002

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) Arizona Environmental Laboratory License number AZ0603.
6) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
-	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/26/2002

P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/26/2002

RT	Retention Time
RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

[redacted] Rep[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] Bill To: [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] Shaded Areas For Internal Use Only 1 of 2

SEVERN TRENT SERVICES

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Contact: Dave Brewer
Company: SCS
Address: 10401 Holmes Rd #400
Kansas City Mo 64131
Phone: 816 941 7510
Fax: 816 941 8025
E-Mail: DBrewer@scsEngineers.com

Contact: Sandy Weeks
Company: SCS
Address:
Phone:
Fax:
PO#: Quote:

Lab Lot# 21129927

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No

Temperature °C of Cooler 4.8

Within Hold Time	Preserv. Indicated
(Yes) No	(Yes) No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No (NA)	Yes No (NA)

Sample Labels and COC Agree
(Yes) No COC not present

Sampler Name: Mark Orr
Signature:
Project Name: GSA SLOP
Project Number: 02207000.11
Project Location:
Lab PM:
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refrg #	# / Cont.	Volume	Preserv	VOC (Backup)	SVOC/Explosives/PCB/Inorganics/Chlorophenols	VOC (En Core)	Additional Analyses / Remarks
								1	1	1				
								2oz	16oz	5gr				
								NA	NA	NP				
1		105-1	9.10.02	15:30	S									
2		105-2		15:40										
3		105-3		16:10										
4		105-4		16:50										
5		105-5		17:30										
1		105-1		15:30										
2		105-2		16:00										
3		105-3		16:20										
4		105-4		17:00										
5		105-5		17:40										
1		105-1		15:30										
2		105-2		15:40										

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
(b) (6)	SCS	9.10.02	8:00	(b) (6)	STL	9.11.02	0845
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other
_____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 9 / 11 / 02
Courier: FX **Hand Delivered** ☐
Bill of Lading See attach

SEVERN TRENT SERVICES

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Dave Brewer
Company: SCS
Address: 10401 Holmes Rd #400
Kansas City Mo 64131
Phone: 816 941 7510
Fax: 816 941 8025
E-Mail: DBrewer@scsengineers.com

Bill To:
Contact: Sandy Weeks
Company: SCS
Address:
Phone:
Fax:
PO#: Quote:

Lab Lot# 211927

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No

Temperature °C of Cooler

Sampler Name: Mark Orr
Signature:
Project Name: GSA SLOP
Project Number: 022070000.11
Project Location:
Lab PM:
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___

Refrg #												
# / Cont.	1	1	1									
Volume	5gr	160z	160z									
Preserv	NA	NA	NA									

Within Hold Time	Preserv. Indicated
(Yes) No	(Yes) No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No (NA)	Yes No (NA)

Sample Labels and COC Agree
(Yes) No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOC (En Core)	Metals	PCB/Explosives	Additional Analyses / Remarks
3		105-3	9.10.02	16:10	S					
4		105-4		16:50						
5		105-5		17:30						
6		101-1		18:25	S					
7		101-2		18:30						
8		101-3		18:40						
9		101-4		18:50						

RELINQUISHED	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
(b) (6)	SCS	9.10.02	8:00	(b) (6)	STL	9-11-02	0845
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = ____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other ____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 9 / 11 / 02
Courier: FX **Hand Delivered** ☐
Bill of Lading see attach

[redacted] -8208 [redacted]

SEVERN TRENT STL

STL Chicago
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SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 222879

Prepared For:

SCS Engineers, Inc.
10401 Holmes Road
Suite 400
Kansas City, MO 64131

Project: GSA - SLOP - Investigation

Attention: David Brewer

Date: 12/22/2003

(b) (6) [redacted]

Signature

Name: Richard C. Wright

Title: Project Manager

E-Mail: rwright@stl-inc.com

12/22/03

Date

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

This Report Contains (28) Pages

Severn Trent Laboratories - Chicago
METALS CASE NARRATIVE

Client: SCS Engineers, Inc. Date Rec'd: 12/08/03
Project. GSA - SLOP
STL#: 222879

1. This narrative covers Metals analysis of samples in the above Job 222879.

   Method Refs: USEPA, SW-846

2. All analyses were performed within the required holding times.

3. All Initial and Continuing Calibration Verification (ICV/CCV's) that bracket the samples were within control limits.

4. All Initial and Continuing Calibration Blanks (ICB/CCB's) that bracket the samples were within control limits.

5. All ICP Interference (ICSA/ICSAB) check Standards were within control limits.

6. All Preparation/Method Blanks were less than the Reporting Limit.

7. Laboratory Control Sample (LCS) recoveries were within the 80-120% control limit.

8. Matrix QC performed on Sample 1.

   Serial dilution analysis was within control limits except for Zn.

   Matrix Spike recovery was within the 75-125% control limits except for Sb (MS/MSD) and Mg, K (MS). (Control limits are not applicable when the sample concentration exceeds the spike added concentration by a factor of 4 or more)

   Duplicate analysis was within the 20% RPD control limits for sample concentrations greater than 5X the RL or +\- the RL for sample concentrations less than 5X the RL except for Ca.

(b) (6) [redacted]

Jodi L. Wojcik
Metals Unit Leader

12-22-03
Date

STL Chicago is part of Severn Trent Laboratories, Inc.

SAMPLE INFORMATION
Date: 12/22/2003

Job Number.: 222879
Customer...: SCS Engineers, Inc.
Attn.....: David Brewer

Project Number.....: 20002601
Customer Project ID....: GSA - SLOP
Project Description....: GSA - SLOP - Investigation

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
222879-1	SS1 ST. VINCENT PARK	Soil	12/04/2003	08:35	12/08/2003	09:00
222879-2	SS1 ARMY RESERVES	Soil	12/04/2003	09:00	12/08/2003	09:00
222879-3	SS1 SCHNUCKS PLAZA	Soil	12/04/2003	09:15	12/08/2003	09:00
222879-4	SS1 CLARA STREET	Soil	12/04/2003	09:30	12/08/2003	09:00

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LABORATORY TEST RESULTS

Job Number: 222879

Date:12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SS1 ST. VINCENT PARK
Date Sampled.....: 12/04/2003
Time Sampled.....: 08:35
Sample Matrix.....: Soil

Laboratory Sample ID: 222879-1
Date Received.....: 12/08/2003
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	77.1			0.10	0.10	1	%	105003		12/18/03 2230	clb
	% Moisture, Solid	22.9			0.10	0.10	1	%	105003		12/18/03 2230	clb
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.031			0.0056	0.021	1	mg/Kg	105161		12/20/03 1020	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	5700			3.0	25	1	mg/Kg	105053		12/18/03 1923	tds
	Antimony, Solid*	ND	U		1.1	2.5	1	mg/Kg	105053		12/18/03 1923	tds
	Arsenic, Solid*	5.3			0.64	1.3	1	mg/Kg	105053		12/18/03 1923	tds
	Barium, Solid*	130			0.20	1.3	1	mg/Kg	105053		12/18/03 1923	tds
	Beryllium, Solid*	0.12	B		0.055	0.50	1	mg/Kg	105053		12/18/03 1923	tds
	Cadmium, Solid*	0.32			0.10	0.25	1	mg/Kg	105053		12/18/03 1923	tds
	Calcium, Solid*	1900			3.9	13	1	mg/Kg	105053		12/18/03 1923	tds
	Chromium, Solid*	9.8			0.28	1.3	1	mg/Kg	105053		12/18/03 1923	tds
	Cobalt, Solid*	6.5			0.18	0.63	1	mg/Kg	105053		12/18/03 1923	tds
	Copper, Solid*	12			1.1	1.3	1	mg/Kg	105053		12/18/03 1923	tds
	Iron, Solid*	10000			3.8	6.3	1	mg/Kg	105053		12/18/03 1923	tds
	Lead, Solid*	30			0.54	0.63	1	mg/Kg	105053		12/18/03 1923	tds
	Magnesium, Solid*	1200			2.1	13	1	mg/Kg	105053		12/18/03 1923	tds
	Manganese, Solid*	730			0.16	1.3	1	mg/Kg	105053		12/18/03 1923	tds
	Nickel, Solid*	10			0.31	1.3	1	mg/Kg	105053		12/18/03 1923	tds
	Potassium, Solid*	1200			17	63	1	mg/Kg	105053		12/18/03 1923	tds
	Selenium, Solid*	0.64	B		0.50	1.3	1	mg/Kg	105053		12/18/03 1923	tds
	Silver, Solid*	ND	U		0.39	0.63	1	mg/Kg	105053		12/18/03 1923	tds
	Sodium, Solid*	ND	U		110	130	1	mg/Kg	105110		12/19/03 1253	tds
	Thallium, Solid*	1.3			0.83	1.3	1	mg/Kg	105053		12/18/03 1923	tds
	Vanadium, Solid*	18			0.26	0.63	1	mg/Kg	105053		12/18/03 1923	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222879

Date:12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SS1 ST. VINCENT PARK
Date Sampled.....: 12/04/2003
Time Sampled.....: 08:35
Sample Matrix.....: Soil

Laboratory Sample ID: 222879-1
Date Received.....: 12/08/2003
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	53			0.50	2.5	1	mg/Kg	105053		12/18/03 1923	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222879

Date:12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SS1 ARMY RESERVES
Date Sampled.....: 12/04/2003
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 222879-2
Date Received.....: 12/08/2003
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	74.6			0.10	0.10	1	%	105003		12/18/03 2230	clb
	% Moisture, Solid	25.4			0.10	0.10	1	%	105003		12/18/03 2230	clb
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.047			0.0058	0.022	1	mg/Kg	105161		12/20/03 1022	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	10000			3.1	25	1	mg/Kg	105053		12/18/03 1957	tds
	Antimony, Solid*	ND	U		1.1	2.5	1	mg/Kg	105053		12/18/03 1957	tds
	Arsenic, Solid*	7.2			0.65	1.3	1	mg/Kg	105053		12/18/03 1957	tds
	Barium, Solid*	130			0.20	1.3	1	mg/Kg	105053		12/18/03 1957	tds
	Beryllium, Solid*	0.27	B		0.056	0.51	1	mg/Kg	105053		12/18/03 1957	tds
	Cadmium, Solid*	0.47			0.10	0.25	1	mg/Kg	105053		12/18/03 1957	tds
	Calcium, Solid*	4700			3.9	13	1	mg/Kg	105053		12/18/03 1957	tds
	Chromium, Solid*	17			0.28	1.3	1	mg/Kg	105053		12/18/03 1957	tds
	Cobalt, Solid*	8.1			0.18	0.64	1	mg/Kg	105053		12/18/03 1957	tds
	Copper, Solid*	19			1.1	1.3	1	mg/Kg	105053		12/18/03 1957	tds
	Iron, Solid*	18000			3.8	6.4	1	mg/Kg	105053		12/18/03 1957	tds
	Lead, Solid*	64			0.55	0.64	1	mg/Kg	105053		12/18/03 1957	tds
	Magnesium, Solid*	2700			2.2	13	1	mg/Kg	105053		12/18/03 1957	tds
	Manganese, Solid*	600			0.17	1.3	1	mg/Kg	105053		12/18/03 1957	tds
	Nickel, Solid*	18			0.32	1.3	1	mg/Kg	105053		12/18/03 1957	tds
	Potassium, Solid*	1500			18	64	1	mg/Kg	105053		12/18/03 1957	tds
	Selenium, Solid*	0.89	B		0.51	1.3	1	mg/Kg	105053		12/18/03 1957	tds
	Silver, Solid*	ND	U		0.39	0.64	1	mg/Kg	105053		12/18/03 1957	tds
	Sodium, Solid*	ND	U		110	130	1	mg/Kg	105110		12/19/03 1324	tds
	Thallium, Solid*	1.0	B		0.84	1.3	1	mg/Kg	105053		12/18/03 1957	tds
	Vanadium, Solid*	28			0.27	0.64	1	mg/Kg	105053		12/18/03 1957	tds

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 222879

Date:12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SS1 ARMY RESERVES
Date Sampled.....: 12/04/2003
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 222879-2
Date Received.....: 12/08/2003
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	80			0.51	2.5	1	mg/Kg	105053		12/18/03 1957	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222879

Date:12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SS1 SCHNUCKS PLAZA
Date Sampled.....: 12/04/2003
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 222879-3
Date Received.....: 12/08/2003
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	83.3			0.10	0.10	1	%	105003		12/18/03 2230	clb
	% Moisture, Solid	16.7			0.10	0.10	1	%	105003		12/18/03 2230	clb
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.042			0.0052	0.020	1	mg/Kg	105161		12/20/03 1024	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.7	23	1	mg/Kg	105053		12/18/03 2003	tds
	Antimony, Solid*	ND	U		1.0	2.3	1	mg/Kg	105053		12/18/03 2003	tds
	Arsenic, Solid*	9.2			0.58	1.1	1	mg/Kg	105053		12/18/03 2003	tds
	Barium, Solid*	130			0.18	1.1	1	mg/Kg	105053		12/18/03 2003	tds
	Beryllium, Solid*	0.26	B		0.050	0.46	1	mg/Kg	105053		12/18/03 2003	tds
	Cadmium, Solid*	0.17	B		0.091	0.23	1	mg/Kg	105053		12/18/03 2003	tds
	Calcium, Solid*	20000			3.5	11	1	mg/Kg	105053		12/18/03 2003	tds
	Chromium, Solid*	16			0.25	1.1	1	mg/Kg	105053		12/18/03 2003	tds
	Cobalt, Solid*	5.0			0.16	0.57	1	mg/Kg	105053		12/18/03 2003	tds
	Copper, Solid*	16			1.0	1.1	1	mg/Kg	105053		12/18/03 2003	tds
	Iron, Solid*	19000			3.4	5.7	1	mg/Kg	105053		12/18/03 2003	tds
	Lead, Solid*	18			0.49	0.57	1	mg/Kg	105053		12/18/03 2003	tds
	Magnesium, Solid*	3600			1.9	11	1	mg/Kg	105053		12/18/03 2003	tds
	Manganese, Solid*	410			0.15	1.1	1	mg/Kg	105053		12/18/03 2003	tds
	Nickel, Solid*	17			0.29	1.1	1	mg/Kg	105053		12/18/03 2003	tds
	Potassium, Solid*	1500			16	57	1	mg/Kg	105053		12/18/03 2003	tds
	Selenium, Solid*	0.74	B		0.46	1.1	1	mg/Kg	105053		12/18/03 2003	tds
	Silver, Solid*	ND	U		0.35	0.57	1	mg/Kg	105053		12/18/03 2003	tds
	Sodium, Solid*	ND	U		99	110	1	mg/Kg	105110		12/19/03 1331	tds
	Thallium, Solid*	0.96	B		0.75	1.1	1	mg/Kg	105053		12/18/03 2003	tds
	Vanadium, Solid*	28			0.24	0.57	1	mg/Kg	105053		12/18/03 2003	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222879

Date:12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SS1 SCHNUCKS PLAZA
Date Sampled.....: 12/04/2003
Time Sampled.....: 09:15
Sample Matrix.....: Soil

Laboratory Sample ID: 222879-3
Date Received.....: 12/08/2003
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	48			0.46	2.3	1	mg/Kg	105053		12/18/03 2003	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222879

Date:12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SS1 CLARA STREET
Date Sampled.....: 12/04/2003
Time Sampled.....: 09:30
Sample Matrix.....: Soil

Laboratory Sample ID: 222879-4
Date Received.....: 12/08/2003
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	78.4			0.10	0.10	1	%	105003		12/18/03 2230	clb
	% Moisture, Solid	21.6			0.10	0.10	1	%	105003		12/18/03 2230	clb
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.084			0.0055	0.021	1	mg/Kg	105161		12/20/03 1026	gok
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9100			2.8	23	1	mg/Kg	105053		12/18/03 2010	tds
	Antimony, Solid*	ND	U		1.0	2.3	1	mg/Kg	105053		12/18/03 2010	tds
	Arsenic, Solid*	7.3			0.59	1.2	1	mg/Kg	105053		12/18/03 2010	tds
	Barium, Solid*	230			0.18	1.2	1	mg/Kg	105053		12/18/03 2010	tds
	Beryllium, Solid*	0.26	B		0.051	0.46	1	mg/Kg	105053		12/18/03 2010	tds
	Cadmium, Solid*	0.62			0.092	0.23	1	mg/Kg	105053		12/18/03 2010	tds
	Calcium, Solid*	4100			3.6	12	1	mg/Kg	105053		12/18/03 2010	tds
	Chromium, Solid*	14			0.25	1.2	1	mg/Kg	105053		12/18/03 2010	tds
	Cobalt, Solid*	11			0.16	0.58	1	mg/Kg	105053		12/18/03 2010	tds
	Copper, Solid*	26			1.0	1.2	1	mg/Kg	105053		12/18/03 2010	tds
	Iron, Solid*	17000			3.5	5.8	1	mg/Kg	105053		12/18/03 2010	tds
	Lead, Solid*	88			0.49	0.58	1	mg/Kg	105053		12/18/03 2010	tds
	Magnesium, Solid*	2000			2.0	12	1	mg/Kg	105053		12/18/03 2010	tds
	Manganese, Solid*	1900			0.15	1.2	1	mg/Kg	105053		12/18/03 2010	tds
	Nickel, Solid*	19			0.29	1.2	1	mg/Kg	105053		12/18/03 2010	tds
	Potassium, Solid*	1500			16	58	1	mg/Kg	105053		12/18/03 2010	tds
	Selenium, Solid*	0.92	B		0.46	1.2	1	mg/Kg	105053		12/18/03 2010	tds
	Silver, Solid*	ND	U		0.36	0.58	1	mg/Kg	105053		12/18/03 2010	tds
	Sodium, Solid*	ND	U		100	120	1	mg/Kg	105110		12/19/03 1337	tds
	Thallium, Solid*	3.0			0.76	1.2	1	mg/Kg	105053		12/18/03 2010	tds
	Vanadium, Solid*	25			0.24	0.58	1	mg/Kg	105053		12/18/03 2010	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222879

Date:12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SS1 CLARA STREET
Date Sampled.....: 12/04/2003
Time Sampled.....: 09:30
Sample Matrix.....: Soil

Laboratory Sample ID: 222879-4
Date Received.....: 12/08/2003
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
	Zinc, Solid*	140			0.46	2.3	1	mg/Kg	105053		12/18/03 2010	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY CHRONICLE

Job Number: 222879 Date: 12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Lab ID: 222879-1 Client ID: SS1 ST. VINCENT PARK Date Recvd: 12/08/2003 Sample Date: 12/04/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	105003		12/18/2003 2230	
3050B	Acid Digestion: Solids (ICAP)	1	104851		12/17/2003 1745	
EDD	Electronic Data Deliverable	1				
7471A	Mercury (CVAA) Solids	1	105161	105160	12/20/2003 1020	
6010B	Metals Analysis (ICAP Trace)	1	105053	104851	12/18/2003 1923	
6010B	Metals Analysis (ICAP Trace)	1	105110	104851	12/19/2003 1253	
7470/7471	SW846 Digestion (Hg)	1	105160		12/19/2003 1730	

Lab ID: 222879-2 Client ID: SS1 ARMY RESERVES Date Recvd: 12/08/2003 Sample Date: 12/04/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	105003		12/18/2003 2230	
3050B	Acid Digestion: Solids (ICAP)	1	104851		12/17/2003 1745	
7471A	Mercury (CVAA) Solids	1	105161	105160	12/20/2003 1022	
6010B	Metals Analysis (ICAP Trace)	1	105053	104851	12/18/2003 1957	
6010B	Metals Analysis (ICAP Trace)	1	105110	104851	12/19/2003 1324	
7470/7471	SW846 Digestion (Hg)	1	105160		12/19/2003 1730	

Lab ID: 222879-3 Client ID: SS1 SCHNUCKS PLAZA Date Recvd: 12/08/2003 Sample Date: 12/04/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	105003		12/18/2003 2230	
3050B	Acid Digestion: Solids (ICAP)	1	104851		12/17/2003 1745	
7471A	Mercury (CVAA) Solids	1	105161	105160	12/20/2003 1024	
6010B	Metals Analysis (ICAP Trace)	1	105053	104851	12/18/2003 2003	
6010B	Metals Analysis (ICAP Trace)	1	105110	104851	12/19/2003 1331	
7470/7471	SW846 Digestion (Hg)	1	105160		12/19/2003 1730	

Lab ID: 222879-4 Client ID: SS1 CLARA STREET Date Recvd: 12/08/2003 Sample Date: 12/04/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	105003		12/18/2003 2230	
3050B	Acid Digestion: Solids (ICAP)	1	104851		12/17/2003 1745	
7471A	Mercury (CVAA) Solids	1	105161	105160	12/20/2003 1026	
6010B	Metals Analysis (ICAP Trace)	1	105053	104851	12/18/2003 2010	
6010B	Metals Analysis (ICAP Trace)	1	105110	104851	12/19/2003 1337	
7470/7471	SW846 Digestion (Hg)	1	105160		12/19/2003 1730	

QUALITY CONTROL RESULTS

Job Number.: 222879

Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. | PROJECT: GSA - SLOP | ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 105053

Analyst...: tds

LCS	Laboratory Control Sample	M03KSPK003	104686-002		12/18/2003 1309

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Vanadium, Solid	mg/Kg	47.08		50.00	0.21	U	94	%	80-120	

LCS	Laboratory Control Sample	M03KSPK003	104851-002		12/18/2003 1751

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	190.94		200.00	2.60	B	95	%	80-120	
Antimony, Solid	mg/Kg	43.37		50.00	0.90	U	87	%	80-120	
Arsenic, Solid	mg/Kg	9.45		10.00	0.51	U	94	%	80-120	
Barium, Solid	mg/Kg	177.99		200.00	0.16	U	89	%	80-120	
Beryllium, Solid	mg/Kg	4.45		5.00	0.04	U	89	%	80-120	
Cadmium, Solid	mg/Kg	4.68		5.00	0.08	U	94	%	80-120	
Calcium, Solid	mg/Kg	944.07		1000.00	3.10	U	94	%	80-120	
Chromium, Solid	mg/Kg	19.01		20.00	0.22	U	95	%	80-120	
Cobalt, Solid	mg/Kg	47.20		50.00	0.14	U	94	%	80-120	
Copper, Solid	mg/Kg	23.29		25.00	0.90	U	93	%	80-120	
Iron, Solid	mg/Kg	100.05		100.00	4.91	B	100	%	80-120	
Lead, Solid	mg/Kg	9.92		10.00	0.43	U	99	%	80-120	
Magnesium, Solid	mg/Kg	961.24		1000.00	1.73	B	96	%	80-120	
Manganese, Solid	mg/Kg	47.93		50.00	0.13	U	96	%	80-120	
Nickel, Solid	mg/Kg	47.27		50.00	0.25	U	95	%	80-120	
Potassium, Solid	mg/Kg	881.76		1000.00	13.80	U	88	%	80-120	
Selenium, Solid	mg/Kg	9.54		10.00	0.40	U	95	%	80-120	
Silver, Solid	mg/Kg	4.48		5.00	0.31	U	90	%	80-120	
Thallium, Solid	mg/Kg	9.62		10.00	0.66	U	96	%	80-120	
Vanadium, Solid	mg/Kg	46.45		50.00	0.21	U	93	%	80-120	
Zinc, Solid	mg/Kg	46.33		50.00	0.40	U	93	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879 Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B Equipment Code....: ICP3 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 105053

MB	Method Blank	104686	104686-001		12/18/2003	1302

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vanadium, Solid	mg/Kg	0.21	U							

MB	Method Blank	104851	104851-001		12/18/2003	1744

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits
Aluminum, Solid	mg/Kg	2.60	B						
Antimony, Solid	mg/Kg	0.90	U						
Arsenic, Solid	mg/Kg	0.51	U						
Barium, Solid	mg/Kg	0.16	U						
Beryllium, Solid	mg/Kg	0.04	U						
Cadmium, Solid	mg/Kg	0.08	U						
Calcium, Solid	mg/Kg	3.10	U						
Chromium, Solid	mg/Kg	0.22	U						
Cobalt, Solid	mg/Kg	0.14	U						
Copper, Solid	mg/Kg	0.90	U						
Iron, Solid	mg/Kg	4.91	B						
Lead, Solid	mg/Kg	0.43	U						
Magnesium, Solid	mg/Kg	1.73	B						
Manganese, Solid	mg/Kg	0.13	U						
Nickel, Solid	mg/Kg	0.25	U						
Potassium, Solid	mg/Kg	13.80	U						
Selenium, Solid	mg/Kg	0.40	U						
Silver, Solid	mg/Kg	0.31	U						
Thallium, Solid	mg/Kg	0.66	U						
Vanadium, Solid	mg/Kg	0.21	U						
Zinc, Solid	mg/Kg	0.40	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879

Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		222879-1		12/18/2003	1937

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 105053

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	5732.50			5673.40	1.0	R	20.0	
Antimony, Solid	mg/Kg	1.08	U		1.08	U 0.15	A	2.41	
Arsenic, Solid	mg/Kg	5.63			5.29	0.34	A	1.20	
Barium, Solid	mg/Kg	129.97			129.64	0.3	R	20.0	
Beryllium, Solid	mg/Kg	0.13	B		0.12	B 0.01	A	0.48	
Cadmium, Solid	mg/Kg	0.34			0.32	0.01	A	0.24	
Calcium, Solid	mg/Kg	2908.00			1873.95	43.2	R	20.0	*
Chromium, Solid	mg/Kg	10.01			9.83	1.8	R	20.0	
Cobalt, Solid	mg/Kg	7.01			6.50	7.6	R	20.0	
Copper, Solid	mg/Kg	12.12			12.24	1.0	R	20.0	
Iron, Solid	mg/Kg	10337.53			10056.40	2.8	R	20.0	
Lead, Solid	mg/Kg	29.83			29.78	0.2	R	20.0	
Magnesium, Solid	mg/Kg	1231.08			1180.88	4.2	R	20.0	
Manganese, Solid	mg/Kg	795.02			726.97	8.9	R	20.0	
Nickel, Solid	mg/Kg	10.44			10.14	2.9	R	20.0	
Potassium, Solid	mg/Kg	1240.30			1242.63	0.2	R	20.0	
Selenium, Solid	mg/Kg	0.97	B		0.64	B 0.33	A	1.20	
Silver, Solid	mg/Kg	0.37	U		0.37	U 0.02	A	0.60	
Thallium, Solid	mg/Kg	1.74			1.28	0.46	A	1.20	
Vanadium, Solid	mg/Kg	18.67			18.31	2.0	R	20.0	
Zinc, Solid	mg/Kg	52.76			53.05	0.6	R	20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879

Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M03KSPK003	222879-1		12/18/2003	1943

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 105053

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	10780.99		240.40	5673.40	2125	%	75-125	4
Antimony, Solid	mg/Kg	25.39		60.10	1.08 U	42	%	75-125	N
Arsenic, Solid	mg/Kg	17.67		12.02	5.29	103	%	75-125	
Barium, Solid	mg/Kg	357.55		240.40	129.64	95	%	75-125	
Beryllium, Solid	mg/Kg	5.20		6.01	0.12 B	86	%	75-125	
Cadmium, Solid	mg/Kg	5.65		6.01	0.32	89	%	75-125	
Calcium, Solid	mg/Kg	3125.99		1202.00	1873.95	104	%	75-125	
Chromium, Solid	mg/Kg	35.07		24.04	9.83	105	%	75-125	
Cobalt, Solid	mg/Kg	66.77		60.10	6.50	100	%	75-125	
Copper, Solid	mg/Kg	39.79		30.05	12.24	92	%	75-125	
Iron, Solid	mg/Kg	13343.99		120.20	10056.40	2735	%	75-125	4
Lead, Solid	mg/Kg	41.28		12.02	29.78	96	%	75-125	
Magnesium, Solid	mg/Kg	2814.45		1202.00	1180.88	136	%	75-125	N
Manganese, Solid	mg/Kg	1027.66		60.10	726.97	500	%	75-125	4
Nickel, Solid	mg/Kg	67.34		60.10	10.14	95	%	75-125	
Potassium, Solid	mg/Kg	2789.25		1202.00	1242.63	129	%	75-125	N
Selenium, Solid	mg/Kg	11.33		12.02	0.64 B	94	%	75-125	
Silver, Solid	mg/Kg	5.24		6.01	0.37 U	87	%	75-125	
Thallium, Solid	mg/Kg	12.22		12.02	1.28	91	%	75-125	
Vanadium, Solid	mg/Kg	79.87		60.10	18.31	102	%	75-125	
Zinc, Solid	mg/Kg	112.32		60.10	53.05	99	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879 — Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. — PROJECT: GSA - SLOP — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M03KSPK003	222879-1		12/18/2003	1950

Test Method.....: 6010B — Equipment Code....: ICP3 — Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) — Batch.....: 105053

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	9289.89	10780.99	239.30	5673.40		1511	%	75-125	4
							33.8	R	20	*
Antimony, Solid	mg/Kg	25.15	25.39	59.83	1.08	U	42	%	75-125	N
							0.0	R	20	
Arsenic, Solid	mg/Kg	16.37	17.67	11.97	5.29		93	%	75-125	
							10.2	R	20	
Barium, Solid	mg/Kg	349.85	357.55	239.30	129.64		92	%	75-125	
							3.2	R	20	
Beryllium, Solid	mg/Kg	5.20	5.20	5.98	0.12	B	87	%	75-125	
							1.2	R	20	
Cadmium, Solid	mg/Kg	5.67	5.65	5.98	0.32		89	%	75-125	
							0.0	R	20	
Calcium, Solid	mg/Kg	3038.86	3125.99	1197.00	1873.95		97	%	75-125	
							7.0	R	20	
Chromium, Solid	mg/Kg	34.12	35.07	23.93	9.83		101	%	75-125	
							3.9	R	20	
Cobalt, Solid	mg/Kg	61.13	66.77	59.83	6.50		91	%	75-125	
							9.4	R	20	
Copper, Solid	mg/Kg	38.82	39.79	29.91	12.24		89	%	75-125	
							3.3	R	20	
Iron, Solid	mg/Kg	11023.41	13343.99	119.70	10056.40		808	%	75-125	4
							108.8	R	20	*
Lead, Solid	mg/Kg	41.82	41.28	11.97	29.78		101	%	75-125	
							5.1	R	20	
Magnesium, Solid	mg/Kg	2579.75	2814.45	1197.00	1180.88		117	%	75-125	
							15.0	R	20	
Manganese, Solid	mg/Kg	869.07	1027.66	59.83	726.97		238	%	75-125	4
							71.0	R	20	*
Nickel, Solid	mg/Kg	65.32	67.34	59.83	10.14		92	%	75-125	
							3.2	R	20	
Potassium, Solid	mg/Kg	2688.35	2789.25	1197.00	1242.63		121	%	75-125	
							6.4	R	20	
Selenium, Solid	mg/Kg	11.13	11.33	11.97	0.64	B	93	%	75-125	
							1.1	R	20	
Silver, Solid	mg/Kg	5.22	5.24	5.98	0.37	U	87	%	75-125	
							0.0	R	20	
Thallium, Solid	mg/Kg	12.48	12.22	11.97	1.28		94	%	75-125	
							3.2	R	20	
Vanadium, Solid	mg/Kg	76.83	79.87	59.83	18.31		98	%	75-125	
							4.0	R	20	
Zinc, Solid	mg/Kg	108.50	112.32	59.83	53.05		93	%	75-125	
							6.2	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879 — Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. — PROJECT: GSA - SLOP — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		222879-1		12/18/2003	1930

Test Method.....: 6010B — Equipment Code....: ICP3 — Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) — Batch.....: 105053

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	1228.26			5673.40	8.2	D	10.0	
Antimony, Solid	mg/Kg	1.13	U		1.13	U			
Arsenic, Solid	mg/Kg	1.24	B		5.29				
Barium, Solid	mg/Kg	27.72			129.64	6.9	D	10.0	
Beryllium, Solid	mg/Kg	0.06	U		0.12	B			
Cadmium, Solid	mg/Kg	0.10	U		0.32				
Calcium, Solid	mg/Kg	398.99			1873.95	6.5	D	10.0	
Chromium, Solid	mg/Kg	2.05			9.83				
Cobalt, Solid	mg/Kg	1.42			6.50				
Copper, Solid	mg/Kg	2.62			12.24				
Iron, Solid	mg/Kg	2175.92			10056.40	8.2	D	10.0	
Lead, Solid	mg/Kg	6.43			29.78	8.0	D	10.0	
Magnesium, Solid	mg/Kg	255.20			1180.88	8.1	D	10.0	
Manganese, Solid	mg/Kg	157.40			726.97	8.3	D	10.0	
Nickel, Solid	mg/Kg	2.14			10.14				
Potassium, Solid	mg/Kg	266.10			1242.63	7.1	D	10.0	
Selenium, Solid	mg/Kg	0.50	U		0.64	B			
Silver, Solid	mg/Kg	0.39	U		0.39	U			
Thallium, Solid	mg/Kg	0.83	U		1.28				
Vanadium, Solid	mg/Kg	3.90			18.31	6.5	D	10.0	
Zinc, Solid	mg/Kg	11.84			53.05	11.6	D	10.0	E

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879

Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M03KSPK003	104851-002		12/19/2003	1130

Test Method.....: 60108
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 105110

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	893.44		1000.00	86.70 U	89	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879

Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	104851	104851-001		12/19/2003	1124

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 105110

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	86.70	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879 Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		222879-1		12/19/2003	1306

Test Method.....: 60108 Equipment Code....: ICP4 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 105110

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	104.41	U			104.41	U	3.71	A	120.43	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879

Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	MO3KSPK003	222879-1		12/19/2003	1312

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 105110

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	1132.47		1202.00	104.22 U	94	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879

Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M03KSPK003	222879-1		12/19/2003	1318

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 105110

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Sodium, Solid	mg/Kg	1117.40	1132.47	1197.00	103.74	U	93	%	75-125	
							1.1	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879

Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		222879-1		12/19/2003	1300

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 105110

Analyst...: tds

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	
Sodium, Solid	mg/Kg	108.55	U			108.55	U				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222879 Report Date.: 12/22/2003

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Test Method.....: Method Batch.....: 105003 Analyst...: clb
Method Description.: % Solids Determination Equipment Code....: Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	105003-001		%	0.1000 U								12/18/2003	2230

Test Method.....: 7471A Batch.....: 105161 Analyst...: gok
Method Description.: Mercury (CVAA) Solids Equipment Code....: HG3 Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	105160-007		mg/Kg	0.00 U								12/20/2003	1013
LCS	105160-008	M02ESTK010	mg/Kg	0.17		0.17	0.00 U	102		%	80-120	12/20/2003	1016

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: David Brewer
Company: SCS Engineers
Address: 10401 Holmes Rd Ste 400
Kansas City, MO 64131
Phone: 816-941-7510
Fax: 816-941-8025
E-Mail: JBrewer@SCSEngineers.com

Bill To:
Contact: Sandy Weeks
Company: (Same)
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use Only 1 of 1

Lab Lot# 222879

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No

Temperature °C of Cooler 2.4

Within Hold Time	Preserv. Indicated
(Yes) No	Yes No (NA)
pH Check OK	**Res Cl_2 Check OK**
Yes No (NA)	Yes No (NA)

Sample Labels and COC Agree
(Yes) No COC not present

Sampler Name: J. Dowling
Signature: (b) (6)
Project Name: GSA Slop
Project Number: 02200070.19
Project Location: St. Louis, MO
Date Required Hard Copy: / / Fax: / /
Lab PM: Eric Lang

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	6010B Metals	Additional Analyses / Remarks
1		SS1 St. Vincent Park	12-4-03	8:35	S	G	X	
2		SS1 Army Reserves		9:00	S	G	X	
3		SS1 Schnucks Plaza		9:15	S	G	X	
4		SS1 Clara Street		9:30	S	G	X	

RELINQUISHED BY	COMPANY	DATE	TIME	RELINQUISHED BY	COMPANY	DATE	TIME
(b) (6)	SCS	12-5-03	10:30	(b) (6)	FX	12-8-03	0900

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air, SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received 12/8/03
Courier: FX **Hand Delivered** ☐
Bill of Lading

SEVERN TRENT STL

STL Chicago
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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 223218

Prepared For:

SCS Engineers, Inc.
10401 Holmes Road
Suite 400
Kansas City, MO 64131

Project: GSA - SLOP - Investigation

Attention: David Brewer

Date: 01/28/2004

(b) (6) [redacted]

Signature

Name: Richard C. Wright

Title: Project Manager

E-Mail: rwright@stl-inc.com

1/28/04

Date

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

This Report Contains (91) Pages

Severn Trent Laboratories Chicago
GC/MS Case Narrative

SCS Engineers
GSA - SLOP
Job Number: 223218
VOA DATA:

1. The sample preparation and analyses were performed within the recommended hold times from the date of collection.

2. The Method Blank and Extraction Blanks had all target compounds below the reporting limits.

3. All of the spike recoveries for the control compounds were within the in-house generated QC limits in the LCS samples.

4. Matrix Spike/Matrix Spike Duplicate analyses were not performed on this sample set.

5. All volatile samples had surrogate recoveries within the in-house generated QC limits.

6. The soil samples were prepared using Method 5035 and analyzed following SW846 Method 8260B/8000B. All calibration criteria are met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. All internal standard areas and retention times were within SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The soil samples were analyzed using the low-level soil method. The results and reporting limits were adjusted to account for the sample weights the analytical procedure and on a dry weight basis.

9. The soil samples underwent an effervescence test. Samples 1, 3 and 5 effervesced when mixed with preservative. The soil samples were prepared in water and immediately frozen.

(b) (6) [redacted]

Louis Manzano
GC/MS VOA Dept.

1-2-04
Date

STL Chicago
PCB Case Narrative

SCS Engineers, Inc.
GSA – SLOP - Investigation
Job #: 223218-1, 2, 3, 4, 6 through 17, 19, 20, 21, 22, and 23
PCBs

1. STL Chicago used the following Gas Chromatographic systems for the analysis of PCBs:

ID#	INSTRUMENT	COLUMN TYPE	DETECTOR
07	Varian 3400	Rtx-5	Electron Capture
08	Varian 3400	Rtx-Clp2	Electron Capture

2. These soil samples were extracted based on SW846 method 3550. All extracts were analyzed for PCBs based on SW846 method 8082. All extracts received a sulfuric acid cleanup and a GPC cleanup in order to reduce matrix interference.

3. All required holding times were met for the extraction and analysis.

4. The method blanks were below the reporting limits for all Aroclors.

5. The surrogate compounds used for this analysis were Decachlorobiphenyl (DCB) and Tetrachloro-m-xylene (TCX). All surrogate recoveries were within statistical control limits.

6. A solution containing Aroclor 1016 and Aroclor 1260 was used for spiking.

7. The blank spike recoveries were within statistical control limits.

8. A matrix spike and a matrix spike duplicate were performed on sample 223218-1 (SBSS12). All matrix spike and matrix spike duplicate recoveries and RPDs were within statistical control limits.

9. All initial and continuing standard calibrations associated with these samples were in control on both columns.

10. Target compounds were confirmed using a second column.

11. Samples 223218-22 and 223218-23 were analyzed at 1/10 dilutions due to level of target compounds as well as sample matrix. Reporting limits have been adjusted to reflect the necessary dilutions.

(b) (6)

Patti Gibson
Organics Section Manager

1/5/04
Date

STL Chicago
Extractable Hydrocarbon Case Narrative

SCS Engineering, Inc.
GSA – SLOP - Investigation
Job #: 223218-10, 19, 20, 21, 22, and 23
Diesel Range Organics (DRO)

1. These soil samples were extracted based on SW846 method 3541. The extracts were analyzed for DRO based on SW846 method 8015B. An HP5890 gas chromatograph equipped with a flame ionization detector and an Xti-5 column was used for the analysis.

2. All required holding times were met for the extraction and the analysis.

3. The method blank was below the reporting limit for DRO.

4. The surrogate compounds used for this analysis were o-Terphenyl and 2-Fluorobiphenyl. All surrogate recoveries were within statistical control limits.

5. The blank spike recovery was within statistical control limits. A solution of Diesel Fuel was used for spiking.

6. A matrix spike and a matrix spike duplicate were not performed on a sample from this SDG.

7. A Diesel Fuel #2 standard was used for quantitating of the DRO results, using a hydrocarbon range from C10 through C28. An alkane standard ranging from C8 through C36 was analyzed for qualitative purposes.

8. All initial and continuing standard calibrations associated with these samples were in control.

9. Not all samples had DRO detected but those that did appear to match a typical fuel type pattern that is "heavier" than Diesel fuel.

(b) (6) [redacted]

Patti Gibson
Organics Section Manager

12/31/03
Date

STL Chicago
Explosives Case Narrative

SCS Engineers, Inc.
GSA – SLOP - Investigation
Job #: 223218-1, 2, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, and 17
Explosives

1. STL Chicago uses the following HPLC systems for analysis of Nitroaromatics and Nitramines:

ID#	INSTRUMENT	COLUMN TYPE	DETECTOR
43	Agilent 1100	C-18	UV – 254nm
44	Agilent 1100	Phenyl Hexyl	UV – 254nm

2. These samples were extracted and analyzed for explosives based on SW846 method 8330.

3. All required holding times were met for the extraction and analysis.

4. The method blank was below the reporting limit for all target compounds.

5. The surrogate compound used for this analysis was 1,2-Dinitrobenzene (1,2-DNB). All surrogate recoveries were within statistical control limits.

6. All blank spike recoveries were within statistical control limits.

7. A matrix spike and a matrix spike duplicate were performed on sample 223218-12 (SBSS23). All matrix spike and matrix spike duplicate recoveries were within statistical control limits except Tetryl, which had 30% recovery for both. All RPDs were <30%. This could be attributed to sample matrix.

8. All initial and continuing standard calibrations associated with these samples were in control on the primary column (C18).

9. Target compounds were not detected in the primary analysis. Therefore, a second column confirmation was not required.

(b) (6)

Patti Gibson
Organics Section Manager

12/31/03
Date

STL Chicago is part of Severn Trent Laboratories, Inc.

SAMPLE INFORMATION
Date: 01/28/2004

Job Number.: 223218
Customer...: SCS Engineers, Inc.
Attn.....: David Brewer

Project Number.....: 20002601
Customer Project ID....: GSA - SLOP
Project Description....: GSA - SLOP - Investigation

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
223218-1	SB18	Soil	12/17/2003	10:15	12/19/2003	10:15
223218-2	SB19	Soil	12/17/2003	11:15	12/19/2003	10:15
223218-3	SB20	Soil	12/17/2003	12:20	12/19/2003	10:15
223218-4	SB21	Soil	12/17/2003	12:50	12/19/2003	10:15
223218-5	SB22	Soil	12/17/2003	13:45	12/19/2003	10:15
223218-6	SB23	Soil	12/17/2003	14:00	12/19/2003	10:15
223218-7	SB24	Soil	12/17/2003	14:30	12/19/2003	10:15
223218-8	SB25	Soil	12/17/2003	15:10	12/19/2003	10:15
223218-9	SB26	Soil	12/17/2003	15:45	12/19/2003	10:15
223218-10	SB27	Soil	12/17/2003	17:00	12/19/2003	10:15
223218-11	SB28	Soil	12/17/2003	08:30	12/19/2003	10:15
223218-12	SB29	Soil	12/17/2003	09:00	12/19/2003	10:15
223218-13	SB30	Soil	12/17/2003	09:45	12/19/2003	10:15
223218-14	SB31	Soil	12/17/2003	10:30	12/19/2003	10:15
223218-15	SB32	Soil	12/17/2003	11:15	12/19/2003	10:15
223218-16	SB33	Soil	12/17/2003	13:00	12/19/2003	10:15
223218-17	SB34	Soil	12/17/2003	13:45	12/19/2003	10:15
223218-18	SB35	Soil	12/17/2003	14:15	12/19/2003	10:15
223218-19	SB36	Soil	12/17/2003	15:15	12/19/2003	10:15
223218-20	SB37	Soil	12/17/2003	16:10	12/19/2003	10:15
223218-21	SB38	Soil	12/17/2003	16:30	12/19/2003	10:15
223218-22	SB39	Soil	12/17/2003	17:10	12/19/2003	10:15
223218-23	SB40	Soil	12/17/2003	17:30	12/19/2003	10:15

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB18
Date Sampled.....: 12/17/2003
Time Sampled.....: 10:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-1
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	80.0			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	20.0			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.6	21	1.00000	ug/Kg	105996		12/29/03 1546	mgk
	Aroclor 1221, Solid*	ND		U	8.4	21	1.00000	ug/Kg	105996		12/29/03 1546	mgk
	Aroclor 1232, Solid*	ND		U	3.8	21	1.00000	ug/Kg	105996		12/29/03 1546	mgk
	Aroclor 1242, Solid*	ND		U	7.9	21	1.00000	ug/Kg	105996		12/29/03 1546	mgk
	Aroclor 1248, Solid*	ND		U	2.9	21	1.00000	ug/Kg	105996		12/29/03 1546	mgk
	Aroclor 1254, Solid*	ND		U	3.4	21	1.00000	ug/Kg	105996		12/29/03 1546	mgk
	Aroclor 1260, Solid*	ND		U	3.1	21	1.00000	ug/Kg	105996		12/29/03 1546	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	105995		12/29/03 2204	san
	RDX, Solid	ND		U	58	99	1.00000	ug/Kg	105995		12/29/03 2204	san
	1,3,5-Trinitrobenzene, Solid	ND		U	17	99	1.00000	ug/Kg	105995		12/29/03 2204	san
	1,3-Dinitrobenzene, Solid	ND		U	18	99	1.00000	ug/Kg	105995		12/29/03 2204	san
	Nitrobenzene, Solid	ND		U	22	99	1.00000	ug/Kg	105995		12/29/03 2204	san
	2,4,6-TNT, Solid	ND		U	33	99	1.00000	ug/Kg	105995		12/29/03 2204	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	105995		12/29/03 2204	san
	2,4-Dinitrotoluene, Solid	ND		U	35	99	1.00000	ug/Kg	105995		12/29/03 2204	san
	2,6-Dinitrotoluene, Solid	ND		U	47	200	1.00000	ug/Kg	105995		12/29/03 2204	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND		U	35	200	1.00000	ug/Kg	105995		12/29/03 2204	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND		U	96	200	1.00000	ug/Kg	105995		12/29/03 2204	san
	2-Nitrotoluene, Solid	ND		U	33	200	1.00000	ug/Kg	105995		12/29/03 2204	san
	4-Nitrotoluene, Solid	ND		U	46	490	1.00000	ug/Kg	105995		12/29/03 2204	san
	3-Nitrotoluene, Solid	ND		U	49	200	1.00000	ug/Kg	105995		12/29/03 2204	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB18
Date Sampled.....: 12/17/2003
Time Sampled.....: 10:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-1
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.032			0.0054	0.021	1	mg/Kg	106028		12/31/03 1407	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.9	24	1	mg/Kg	106021		12/31/03 0115	tds
	Antimony, Solid*	ND	U		1.1	2.4	1	mg/Kg	106021		12/31/03 0115	tds
	Arsenic, Solid*	5.5			0.61	1.2	1	mg/Kg	106021		12/31/03 0115	tds
	Barium, Solid*	100			0.19	1.2	1	mg/Kg	106021		12/31/03 0115	tds
	Beryllium, Solid*	0.86			0.053	0.48	1	mg/Kg	106021		12/31/03 0115	tds
	Cadmium, Solid*	ND	U		0.096	0.24	1	mg/Kg	106021		12/31/03 0115	tds
	Calcium, Solid*	1800			3.7	12	1	mg/Kg	106021		12/31/03 0115	tds
	Chromium, Solid*	21			0.26	1.2	1	mg/Kg	106021		12/31/03 0115	tds
	Cobalt, Solid*	5.1			0.17	0.60	1	mg/Kg	106021		12/31/03 0115	tds
	Copper, Solid*	12			1.1	1.2	1	mg/Kg	106021		12/31/03 0115	tds
	Iron, Solid*	17000			3.6	6.0	1	mg/Kg	106021		12/31/03 0115	tds
	Lead, Solid*	7.3			0.52	0.60	1	mg/Kg	106021		12/31/03 0115	tds
	Magnesium, Solid*	2500			2.0	12	1	mg/Kg	106021		12/31/03 0115	tds
	Manganese, Solid*	260			0.16	1.2	1	mg/Kg	106021		12/31/03 0115	tds
	Nickel, Solid*	14			0.30	1.2	1	mg/Kg	106021		12/31/03 0115	tds
	Potassium, Solid*	800			17	60	1	mg/Kg	106131		01/01/04 0033	lmr
	Selenium, Solid*	ND	U		0.48	1.2	1	mg/Kg	106021		12/31/03 0115	tds
	Silver, Solid*	ND	U		0.37	0.60	1	mg/Kg	106021		12/31/03 0115	tds
	Sodium, Solid*	220			100	120	1	mg/Kg	106021		12/31/03 0115	tds
	Thallium, Solid*	ND	U		0.79	1.2	1	mg/Kg	106021		12/31/03 0115	tds
	Vanadium, Solid*	32			0.25	0.60	1	mg/Kg	106131		01/01/04 0033	lmr
	Zinc, Solid*	34			0.48	2.4	1	mg/Kg	106021		12/31/03 0115	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB19
Date Sampled.....: 12/17/2003
Time Sampled.....: 11:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-2
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	80.1			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	19.9			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.6	21	1.00000	ug/Kg	105996		12/29/03 1757	mgk
	Aroclor 1221, Solid*	ND		U	8.3	21	1.00000	ug/Kg	105996		12/29/03 1757	mgk
	Aroclor 1232, Solid*	ND		U	3.7	21	1.00000	ug/Kg	105996		12/29/03 1757	mgk
	Aroclor 1242, Solid*	ND		U	7.8	21	1.00000	ug/Kg	105996		12/29/03 1757	mgk
	Aroclor 1248, Solid*	ND		U	2.9	21	1.00000	ug/Kg	105996		12/29/03 1757	mgk
	Aroclor 1254, Solid*	ND		U	3.3	21	1.00000	ug/Kg	105996		12/29/03 1757	mgk
	Aroclor 1260, Solid*	ND		U	3.1	21	1.00000	ug/Kg	105996		12/29/03 1757	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	105995		12/29/03 2236	san
	RDX, Solid	ND		U	58	100	1.00000	ug/Kg	105995		12/29/03 2236	san
	1,3,5-Trinitrobenzene, Solid	ND		U	17	100	1.00000	ug/Kg	105995		12/29/03 2236	san
	1,3-Dinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	105995		12/29/03 2236	san
	Nitrobenzene, Solid	ND		U	22	100	1.00000	ug/Kg	105995		12/29/03 2236	san
	2,4,6-TNT, Solid	ND		U	34	100	1.00000	ug/Kg	105995		12/29/03 2236	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	105995		12/29/03 2236	san
	2,4-Dinitrotoluene, Solid	ND		U	35	100	1.00000	ug/Kg	105995		12/29/03 2236	san
	2,6-Dinitrotoluene, Solid	ND		U	47	200	1.00000	ug/Kg	105995		12/29/03 2236	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND		U	36	200	1.00000	ug/Kg	105995		12/29/03 2236	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND		U	97	200	1.00000	ug/Kg	105995		12/29/03 2236	san
	2-Nitrotoluene, Solid	ND		U	33	200	1.00000	ug/Kg	105995		12/29/03 2236	san
	4-Nitrotoluene, Solid	ND		U	46	500	1.00000	ug/Kg	105995		12/29/03 2236	san
	3-Nitrotoluene, Solid	ND		U	50	200	1.00000	ug/Kg	105995		12/29/03 2236	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB19
Date Sampled.....: 12/17/2003
Time Sampled.....: 11:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-2
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.035			0.0054	0.021	1	mg/Kg	106028		12/31/03 1415	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	15000			2.9	24	1	mg/Kg	106021		12/31/03 0146	tds
	Antimony, Solid*	ND	U		1.1	2.4	1	mg/Kg	106021		12/31/03 0146	tds
	Arsenic, Solid*	4.4			0.62	1.2	1	mg/Kg	106021		12/31/03 0146	tds
	Barium, Solid*	240			0.19	1.2	1	mg/Kg	106021		12/31/03 0146	tds
	Beryllium, Solid*	0.71			0.053	0.48	1	mg/Kg	106021		12/31/03 0146	tds
	Cadmium, Solid*	ND	U		0.097	0.24	1	mg/Kg	106021		12/31/03 0146	tds
	Calcium, Solid*	2600			3.8	12	1	mg/Kg	106021		12/31/03 0146	tds
	Chromium, Solid*	24			0.27	1.2	1	mg/Kg	106021		12/31/03 0146	tds
	Cobalt, Solid*	7.4			0.17	0.61	1	mg/Kg	106021		12/31/03 0146	tds
	Copper, Solid*	15			1.1	1.2	1	mg/Kg	106021		12/31/03 0146	tds
	Iron, Solid*	18000			3.6	6.1	1	mg/Kg	106021		12/31/03 0146	tds
	Lead, Solid*	8.0			0.52	0.61	1	mg/Kg	106021		12/31/03 0146	tds
	Magnesium, Solid*	3100			2.1	12	1	mg/Kg	106021		12/31/03 0146	tds
	Manganese, Solid*	1100			0.16	1.2	1	mg/Kg	106021		12/31/03 0146	tds
	Nickel, Solid*	21			0.30	1.2	1	mg/Kg	106021		12/31/03 0146	tds
	Potassium, Solid*	1300			17	61	1	mg/Kg	106131		01/01/04 0107	lmr
	Selenium, Solid*	ND	U		0.48	1.2	1	mg/Kg	106021		12/31/03 0146	tds
	Silver, Solid*	ND	U		0.38	0.61	1	mg/Kg	106021		12/31/03 0146	tds
	Sodium, Solid*	430			100	120	1	mg/Kg	106021		12/31/03 0146	tds
	Thallium, Solid*	ND	U		0.80	1.2	1	mg/Kg	106021		12/31/03 0146	tds
	Vanadium, Solid*	27			0.25	0.61	1	mg/Kg	106131		01/01/04 0107	lmr
	Zinc, Solid*	52			0.48	2.4	1	mg/Kg	106021		12/31/03 0146	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB20
Date Sampled.....: 12/17/2003
Time Sampled.....: 12:20
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-3
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	78.9			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	21.1			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.7	21	1.00000	ug/Kg	105996		12/29/03 1830	mgk
	Aroclor 1221, Solid*	ND		U	8.5	21	1.00000	ug/Kg	105996		12/29/03 1830	mgk
	Aroclor 1232, Solid*	ND		U	3.8	21	1.00000	ug/Kg	105996		12/29/03 1830	mgk
	Aroclor 1242, Solid*	ND		U	8.0	21	1.00000	ug/Kg	105996		12/29/03 1830	mgk
	Aroclor 1248, Solid*	ND		U	2.9	21	1.00000	ug/Kg	105996		12/29/03 1830	mgk
	Aroclor 1254, Solid*	ND		U	3.4	21	1.00000	ug/Kg	105996		12/29/03 1830	mgk
	Aroclor 1260, Solid*	ND		U	3.2	21	1.00000	ug/Kg	105996		12/29/03 1830	mgk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.035			0.0054	0.021	1	mg/Kg	106028		12/31/03 1424	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.8	23	1	mg/Kg	106021		12/31/03 0152	tds
	Antimony, Solid*	ND		U	1.0	2.3	1	mg/Kg	106021		12/31/03 0152	tds
	Arsenic, Solid*	9.2			0.59	1.2	1	mg/Kg	106021		12/31/03 0152	tds
	Barium, Solid*	170			0.19	1.2	1	mg/Kg	106021		12/31/03 0152	tds
	Beryllium, Solid*	0.97			0.051	0.46	1	mg/Kg	106021		12/31/03 0152	tds
	Cadmium, Solid*	ND		U	0.093	0.23	1	mg/Kg	106021		12/31/03 0152	tds
	Calcium, Solid*	7900			3.6	12	1	mg/Kg	106021		12/31/03 0152	tds
	Chromium, Solid*	19			0.25	1.2	1	mg/Kg	106021		12/31/03 0152	tds
	Cobalt, Solid*	8.5			0.16	0.58	1	mg/Kg	106021		12/31/03 0152	tds
	Copper, Solid*	18			1.0	1.2	1	mg/Kg	106021		12/31/03 0152	tds
	Iron, Solid*	21000			3.5	5.8	1	mg/Kg	106021		12/31/03 0152	tds
	Lead, Solid*	13			0.50	0.58	1	mg/Kg	106021		12/31/03 0152	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB20
Date Sampled.....: 12/17/2003
Time Sampled.....: 12:20
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-3
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Magnesium, Solid*	3200			2.0	12	1	mg/Kg	106021		12/31/03 0152	tds
	Manganese, Solid*	760			0.15	1.2	1	mg/Kg	106021		12/31/03 0152	tds
	Nickel, Solid*	23			0.29	1.2	1	mg/Kg	106021		12/31/03 0152	tds
	Potassium, Solid*	1200			16	58	1	mg/Kg	106131		01/01/04 0113	lmr
	Selenium, Solid*	0.48	B		0.46	1.2	1	mg/Kg	106021		12/31/03 0152	tds
	Silver, Solid*	ND	U		0.36	0.58	1	mg/Kg	106021		12/31/03 0152	tds
	Sodium, Solid*	690			100	120	1	mg/Kg	106021		12/31/03 0152	tds
	Thallium, Solid*	ND	U		0.76	1.2	1	mg/Kg	106021		12/31/03 0152	tds
	Vanadium, Solid*	37			0.24	0.58	1	mg/Kg	106131		01/01/04 0113	lmr
	Zinc, Solid*	54			0.46	2.3	1	mg/Kg	106021		12/31/03 0152	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U		0.91	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Chloromethane, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Vinyl chloride, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Bromomethane, Solid*	ND	U		1.6	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Chloroethane, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Trichlorofluoromethane, Solid*	ND	U		1.8	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,1-Dichloroethene, Solid*	ND	U		1.6	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Carbon disulfide, Solid*	ND	U		1.5	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Acetone, Solid*	130			5.8	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Methylene chloride, Solid*	ND	U		3.6	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	trans-1,2-Dichloroethene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,1-Dichloroethane, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	2,2-Dichloropropane, Solid*	ND	U		1.2	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	cis-1,2-Dichloroethene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	2-Butanone (MEK), Solid*	ND	U		4.9	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Bromochloromethane, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB20
Date Sampled.....: 12/17/2003
Time Sampled.....: 12:20
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-3
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chloroform, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,1,1-Trichloroethane, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,1-Dichloropropene, Solid*	ND	U		1.5	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Carbon tetrachloride, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Benzene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,2-Dichloroethane, Solid*	ND	U		1.2	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Trichloroethene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,2-Dichloropropane, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Dibromomethane, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Bromodichloromethane, Solid*	ND	U		1.2	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	cis-1,3-Dichloropropene, Solid*	ND	U		1.2	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Toluene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	trans-1,3-Dichloropropene, Solid*	ND	U		0.99	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,1,2-Trichloroethane, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Tetrachloroethene, Solid*	ND	U		1.5	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,3-Dichloropropane, Solid*	ND	U		1.2	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	2-Hexanone, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Dibromochloromethane, Solid*	ND	U		0.99	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,2-Dibromoethane (EDB), Solid*	ND	U		1.0	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Chlorobenzene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,1,1,2-Tetrachloroethane, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Ethylbenzene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	m&p-Xylenes, Solid*	ND	U		2.9	13	1.00000	ug/Kg	106164		12/26/03 2004	lm
	o-Xylene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Styrene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Bromoform, Solid*	ND	U		0.94	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Isopropylbenzene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	Bromobenzene, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB20
Date Sampled.....: 12/17/2003
Time Sampled.....: 12:20
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-3
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1,2,2-Tetrachloroethane, Solid*	41			1.2	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,2,3-Trichloropropane, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	n-Propylbenzene, Solid*	ND	U		1.6	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	2-Chlorotoluene, Solid*	ND	U		1.6	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,3,5-Trimethylbenzene, Solid*	ND	U		1.6	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	4-Chlorotoluene, Solid*	ND	U		1.6	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	tert-Butylbenzene, Solid*	ND	U		1.5	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,2,4-Trimethylbenzene, Solid*	ND	U		1.8	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	sec-Butylbenzene, Solid*	ND	U		1.5	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	p-Isopropyltoluene, Solid*	ND	U		1.6	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	n-Butylbenzene, Solid*	ND	U		1.6	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,2-Dibromo-3-chloropropane, Solid*	ND	U		1.5	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm
	1,2,3-Trichlorobenzene, Solid*	ND	U		1.9	6.3	1.00000	ug/Kg	106164		12/26/03 2004	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB21
Date Sampled.....: 12/17/2003
Time Sampled.....: 12:50
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-4
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	86.5			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	13.5			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.3	19	1.00000	ug/Kg	105996		12/29/03 1902	mgk
	Aroclor 1221, Solid*	ND		U	7.7	19	1.00000	ug/Kg	105996		12/29/03 1902	mgk
	Aroclor 1232, Solid*	ND		U	3.5	19	1.00000	ug/Kg	105996		12/29/03 1902	mgk
	Aroclor 1242, Solid*	ND		U	7.3	19	1.00000	ug/Kg	105996		12/29/03 1902	mgk
	Aroclor 1248, Solid*	ND		U	2.7	19	1.00000	ug/Kg	105996		12/29/03 1902	mgk
	Aroclor 1254, Solid*	ND		U	3.1	19	1.00000	ug/Kg	105996		12/29/03 1902	mgk
	Aroclor 1260, Solid*	ND		U	2.9	19	1.00000	ug/Kg	105996		12/29/03 1902	mgk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	ND		U	0.0050	0.019	1	mg/Kg	106028		12/31/03 1426	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	610			2.5	21	1	mg/Kg	106021		12/31/03 0159	tds
	Antimony, Solid*	ND		U	0.93	2.1	1	mg/Kg	106021		12/31/03 0159	tds
	Arsenic, Solid*	ND		U	0.53	1.0	1	mg/Kg	106021		12/31/03 0159	tds
	Barium, Solid*	7.8			0.17	1.0	1	mg/Kg	106021		12/31/03 0159	tds
	Beryllium, Solid*	0.051		B	0.046	0.42	1	mg/Kg	106021		12/31/03 0159	tds
	Cadmium, Solid*	0.17		B	0.083	0.21	1	mg/Kg	106021		12/31/03 0159	tds
	Calcium, Solid*	360000			16	52	5	mg/Kg	106131		01/01/04 0201	lmr
	Chromium, Solid*	5.6			0.23	1.0	1	mg/Kg	106021		12/31/03 0159	tds
	Cobalt, Solid*	0.48		B	0.15	0.52	1	mg/Kg	106021		12/31/03 0159	tds
	Copper, Solid*	ND		U	0.93	1.0	1	mg/Kg	106021		12/31/03 0159	tds
	Iron, Solid*	1400			3.1	5.2	1	mg/Kg	106021		12/31/03 0159	tds
	Lead, Solid*	ND		U	0.45	0.52	1	mg/Kg	106021		12/31/03 0159	tds

* In Description = Dry Wgt.

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Job Number: 223218

LABORATORY TEST RESULTS

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB21
Date Sampled.....: 12/17/2003
Time Sampled.....: 12:50
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-4
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Magnesium, Solid*	9300			1.8	10	1	mg/Kg	106021		12/31/03 0159	tds
	Manganese, Solid*	180			0.14	1.0	1	mg/Kg	106021		12/31/03 0159	tds
	Nickel, Solid*	3.2			0.26	1.0	1	mg/Kg	106021		12/31/03 0159	tds
	Potassium, Solid*	380			72	260	5	mg/Kg	106131		01/01/04 0201	lmr
	Selenium, Solid*	ND	U		0.42	1.0	1	mg/Kg	106021		12/31/03 0159	tds
	Silver, Solid*	ND	U		0.32	0.52	1	mg/Kg	106021		12/31/03 0159	tds
	Sodium, Solid*	270			90	100	1	mg/Kg	106021		12/31/03 0159	tds
	Thallium, Solid*	0.87	B		0.69	1.0	1	mg/Kg	106021		12/31/03 0159	tds
	Vanadium, Solid*	3.1			1.1	2.6	5	mg/Kg	106131		01/01/04 0201	lmr
	Zinc, Solid*	5.8			0.42	2.1	1	mg/Kg	106021		12/31/03 0159	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB22
Date Sampled.....: 12/17/2003
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-5
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	80.2			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	19.8			0.10	0.10	1	%	105971		12/30/03 2040	clb
9045C	pH (Soil)											
	Corrosivity (pH Solid), Solid	9.3				0.2	1	pH Units	106149		01/02/04 1209	nrp
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	560			11	41	2000	mg/Kg	106028		12/31/03 1520	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.8	24	1	mg/Kg	106021		12/31/03 0233	tds
	Antimony, Solid*	ND	U		1.1	2.4	1	mg/Kg	106021		12/31/03 0233	tds
	Arsenic, Solid*	7.6			0.60	1.2	1	mg/Kg	106021		12/31/03 0233	tds
	Barium, Solid*	150			0.19	1.2	1	mg/Kg	106021		12/31/03 0233	tds
	Beryllium, Solid*	0.69			0.052	0.47	1	mg/Kg	106021		12/31/03 0233	tds
	Cadmium, Solid*	0.32			0.094	0.24	1	mg/Kg	106021		12/31/03 0233	tds
	Calcium, Solid*	45000			3.7	12	1	mg/Kg	106021		12/31/03 0233	tds
	Chromium, Solid*	44			0.26	1.2	1	mg/Kg	106021		12/31/03 0233	tds
	Cobalt, Solid*	5.5			0.17	0.59	1	mg/Kg	106021		12/31/03 0233	tds
	Copper, Solid*	54			1.1	1.2	1	mg/Kg	106021		12/31/03 0233	tds
	Iron, Solid*	21000			3.5	5.9	1	mg/Kg	106021		12/31/03 0233	tds
	Lead, Solid*	140			0.51	0.59	1	mg/Kg	106021		12/31/03 0233	tds
	Magnesium, Solid*	9300			2.0	12	1	mg/Kg	106021		12/31/03 0233	tds
	Manganese, Solid*	320			0.15	1.2	1	mg/Kg	106021		12/31/03 0233	tds
	Nickel, Solid*	14			0.29	1.2	1	mg/Kg	106021		12/31/03 0233	tds
	Potassium, Solid*	1500			16	59	1	mg/Kg	106131		01/01/04 0207	lmr
	Selenium, Solid*	0.48	B		0.47	1.2	1	mg/Kg	106021		12/31/03 0233	tds
	Silver, Solid*	ND	U		0.37	0.59	1	mg/Kg	106021		12/31/03 0233	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB22
Date Sampled.....: 12/17/2003
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-5
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Sodium, Solid*	1300			100	120	1	mg/Kg	106021		12/31/03 0233	tds
	Thallium, Solid*	ND	U		0.78	1.2	1	mg/Kg	106021		12/31/03 0233	tds
	Vanadium, Solid*	26			0.25	0.59	1	mg/Kg	106131		01/01/04 0207	lmr
	Zinc, Solid*	110			0.47	2.4	1	mg/Kg	106021		12/31/03 0233	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB23
Date Sampled.....: 12/17/2003
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-6
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	81.4			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	18.6			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND	U		3.6	20	1.00000	ug/Kg	105996		12/29/03 1935	mgk
	Aroclor 1221, Solid*	ND	U		8.2	20	1.00000	ug/Kg	105996		12/29/03 1935	mgk
	Aroclor 1232, Solid*	ND	U		3.7	20	1.00000	ug/Kg	105996		12/29/03 1935	mgk
	Aroclor 1242, Solid*	ND	U		7.7	20	1.00000	ug/Kg	105996		12/29/03 1935	mgk
	Aroclor 1248, Solid*	ND	U		2.8	20	1.00000	ug/Kg	105996		12/29/03 1935	mgk
	Aroclor 1254, Solid*	ND	U		3.3	20	1.00000	ug/Kg	105996		12/29/03 1935	mgk
	Aroclor 1260, Solid*	ND	U		3.1	20	1.00000	ug/Kg	105996		12/29/03 1935	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND	U		110	250	1.00000	ug/Kg	105995		12/29/03 2309	san
	RDX, Solid	ND	U		58	100	1.00000	ug/Kg	105995		12/29/03 2309	san
	1,3,5-Trinitrobenzene, Solid	ND	U		17	100	1.00000	ug/Kg	105995		12/29/03 2309	san
	1,3-Dinitrobenzene, Solid	ND	U		18	100	1.00000	ug/Kg	105995		12/29/03 2309	san
	Nitrobenzene, Solid	ND	U		22	100	1.00000	ug/Kg	105995		12/29/03 2309	san
	2,4,6-TNT, Solid	ND	U		34	100	1.00000	ug/Kg	105995		12/29/03 2309	san
	Tetryl, Solid	ND	U		43	200	1.00000	ug/Kg	105995		12/29/03 2309	san
	2,4-Dinitrotoluene, Solid	ND	U		35	100	1.00000	ug/Kg	105995		12/29/03 2309	san
	2,6-Dinitrotoluene, Solid	ND	U		47	200	1.00000	ug/Kg	105995		12/29/03 2309	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U		36	200	1.00000	ug/Kg	105995		12/29/03 2309	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U		97	200	1.00000	ug/Kg	105995		12/29/03 2309	san
	2-Nitrotoluene, Solid	ND	U		33	200	1.00000	ug/Kg	105995		12/29/03 2309	san
	4-Nitrotoluene, Solid	ND	U		46	500	1.00000	ug/Kg	105995		12/29/03 2309	san
	3-Nitrotoluene, Solid	ND	U		50	200	1.00000	ug/Kg	105995		12/29/03 2309	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB23
Date Sampled.....: 12/17/2003
Time Sampled.....: 14:00
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-6
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.065			0.0053	0.020	1	mg/Kg	106028		12/31/03 1434	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.8	23	1	mg/Kg	106021		12/31/03 0239	tds
	Antimony, Solid*	ND	U		1.0	2.3	1	mg/Kg	106021		12/31/03 0239	tds
	Arsenic, Solid*	4.7			0.59	1.2	1	mg/Kg	106021		12/31/03 0239	tds
	Barium, Solid*	130			0.18	1.2	1	mg/Kg	106021		12/31/03 0239	tds
	Beryllium, Solid*	0.98			0.051	0.46	1	mg/Kg	106021		12/31/03 0239	tds
	Cadmium, Solid*	ND	U		0.092	0.23	1	mg/Kg	106021		12/31/03 0239	tds
	Calcium, Solid*	5000			3.6	12	1	mg/Kg	106021		12/31/03 0239	tds
	Chromium, Solid*	22			0.25	1.2	1	mg/Kg	106021		12/31/03 0239	tds
	Cobalt, Solid*	7.9			0.16	0.58	1	mg/Kg	106021		12/31/03 0239	tds
	Copper, Solid*	11			1.0	1.2	1	mg/Kg	106021		12/31/03 0239	tds
	Iron, Solid*	16000			3.5	5.8	1	mg/Kg	106021		12/31/03 0239	tds
	Lead, Solid*	18			0.49	0.58	1	mg/Kg	106021		12/31/03 0239	tds
	Magnesium, Solid*	2300			2.0	12	1	mg/Kg	106021		12/31/03 0239	tds
	Manganese, Solid*	360			0.15	1.2	1	mg/Kg	106021		12/31/03 0239	tds
	Nickel, Solid*	16			0.29	1.2	1	mg/Kg	106021		12/31/03 0239	tds
	Potassium, Solid*	730			16	58	1	mg/Kg	106131		01/01/04 0214	lmr
	Selenium, Solid*	ND	U		0.46	1.2	1	mg/Kg	106021		12/31/03 0239	tds
	Silver, Solid*	ND	U		0.36	0.58	1	mg/Kg	106021		12/31/03 0239	tds
	Sodium, Solid*	160			100	120	1	mg/Kg	106021		12/31/03 0239	tds
	Thallium, Solid*	ND	U		0.76	1.2	1	mg/Kg	106021		12/31/03 0239	tds
	Vanadium, Solid*	30			0.24	0.58	1	mg/Kg	106131		01/01/04 0214	lmr
	Zinc, Solid*	40			0.46	2.3	1	mg/Kg	106021		12/31/03 0239	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB24
Date Sampled.....: 12/17/2003
Time Sampled.....: 14:30
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-7
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	81.8			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	18.2			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND	U		3.5	20	1.00000	ug/Kg	105996		12/29/03 2113	mgk
	Aroclor 1221, Solid*	ND	U		8.2	20	1.00000	ug/Kg	105996		12/29/03 2113	mgk
	Aroclor 1232, Solid*	ND	U		3.7	20	1.00000	ug/Kg	105996		12/29/03 2113	mgk
	Aroclor 1242, Solid*	ND	U		7.7	20	1.00000	ug/Kg	105996		12/29/03 2113	mgk
	Aroclor 1248, Solid*	ND	U		2.8	20	1.00000	ug/Kg	105996		12/29/03 2113	mgk
	Aroclor 1254, Solid*	ND	U		3.3	20	1.00000	ug/Kg	105996		12/29/03 2113	mgk
	Aroclor 1260, Solid*	ND	U		3.1	20	1.00000	ug/Kg	105996		12/29/03 2113	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND	U		110	250	1.00000	ug/Kg	105995		12/29/03 2342	san
	RDX, Solid	ND	U		57	98	1.00000	ug/Kg	105995		12/29/03 2342	san
	1,3,5-Trinitrobenzene, Solid	ND	U		17	98	1.00000	ug/Kg	105995		12/29/03 2342	san
	1,3-Dinitrobenzene, Solid	ND	U		17	98	1.00000	ug/Kg	105995		12/29/03 2342	san
	Nitrobenzene, Solid	ND	U		22	98	1.00000	ug/Kg	105995		12/29/03 2342	san
	2,4,6-TNT, Solid	ND	U		33	98	1.00000	ug/Kg	105995		12/29/03 2342	san
	Tetryl, Solid	ND	U		43	200	1.00000	ug/Kg	105995		12/29/03 2342	san
	2,4-Dinitrotoluene, Solid	ND	U		35	98	1.00000	ug/Kg	105995		12/29/03 2342	san
	2,6-Dinitrotoluene, Solid	ND	U		47	200	1.00000	ug/Kg	105995		12/29/03 2342	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U		35	200	1.00000	ug/Kg	105995		12/29/03 2342	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U		95	200	1.00000	ug/Kg	105995		12/29/03 2342	san
	2-Nitrotoluene, Solid	ND	U		33	200	1.00000	ug/Kg	105995		12/29/03 2342	san
	4-Nitrotoluene, Solid	ND	U		46	490	1.00000	ug/Kg	105995		12/29/03 2342	san
	3-Nitrotoluene, Solid	ND	U		49	200	1.00000	ug/Kg	105995		12/29/03 2342	san

* In Description = Dry Wgt.

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Job Number: 223218

LABORATORY TEST RESULTS

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB24
Date Sampled.....: 12/17/2003
Time Sampled.....: 14:30
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-7
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.046			0.0053	0.020	1	mg/Kg	106028		12/31/03 1436	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.7	22	1	mg/Kg	106021		12/31/03 0245	tds
	Antimony, Solid*	ND	U		1.0	2.2	1	mg/Kg	106021		12/31/03 0245	tds
	Arsenic, Solid*	7.1			0.57	1.1	1	mg/Kg	106021		12/31/03 0245	tds
	Barium, Solid*	160			0.18	1.1	1	mg/Kg	106021		12/31/03 0245	tds
	Beryllium, Solid*	0.99			0.049	0.44	1	mg/Kg	106021		12/31/03 0245	tds
	Cadmium, Solid*	ND	U		0.089	0.22	1	mg/Kg	106021		12/31/03 0245	tds
	Calcium, Solid*	15000			3.4	11	1	mg/Kg	106021		12/31/03 0245	tds
	Chromium, Solid*	20			0.24	1.1	1	mg/Kg	106021		12/31/03 0245	tds
	Cobalt, Solid*	9.2			0.16	0.56	1	mg/Kg	106021		12/31/03 0245	tds
	Copper, Solid*	21			1.0	1.1	1	mg/Kg	106021		12/31/03 0245	tds
	Iron, Solid*	21000			3.3	5.6	1	mg/Kg	106021		12/31/03 0245	tds
	Lead, Solid*	41			0.48	0.56	1	mg/Kg	106021		12/31/03 0245	tds
	Magnesium, Solid*	2300			1.9	11	1	mg/Kg	106021		12/31/03 0245	tds
	Manganese, Solid*	730			0.14	1.1	1	mg/Kg	106021		12/31/03 0245	tds
	Nickel, Solid*	20			0.28	1.1	1	mg/Kg	106021		12/31/03 0245	tds
	Potassium, Solid*	1400			15	56	1	mg/Kg	106131		01/01/04 0221	lmr
	Selenium, Solid*	ND	U		0.44	1.1	1	mg/Kg	106021		12/31/03 0245	tds
	Silver, Solid*	ND	U		0.34	0.56	1	mg/Kg	106021		12/31/03 0245	tds
	Sodium, Solid*	160			96	110	1	mg/Kg	106021		12/31/03 0245	tds
	Thallium, Solid*	ND	U		0.73	1.1	1	mg/Kg	106021		12/31/03 0245	tds
	Vanadium, Solid*	33			0.23	0.56	1	mg/Kg	106131		01/01/04 0221	lmr
	Zinc, Solid*	46			0.44	2.2	1	mg/Kg	106021		12/31/03 0245	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U		1.3	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB24
Date Sampled.....: 12/17/2003
Time Sampled.....: 14:30
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-7
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chloromethane, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Vinyl chloride, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Bromomethane, Solid*	ND	U		2.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Chloroethane, Solid*	ND	U		1.8	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Trichlorofluoromethane, Solid*	ND	U		2.6	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,1-Dichloroethene, Solid*	ND	U		2.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Carbon disulfide, Solid*	ND	U		2.2	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Acetone, Solid*	ND	U		8.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Methylene chloride, Solid*	ND	U		5.3	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	trans-1,2-Dichloroethene, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		1.8	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,1-Dichloroethane, Solid*	ND	U		1.8	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	2,2-Dichloropropane, Solid*	ND	U		1.7	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	cis-1,2-Dichloroethene, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	2-Butanone (MEK), Solid*	ND	U		7.2	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Bromochloromethane, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Chloroform, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,1,1-Trichloroethane, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,1-Dichloropropene, Solid*	ND	U		2.2	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Carbon tetrachloride, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Benzene, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,2-Dichloroethane, Solid*	ND	U		1.7	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Trichloroethene, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,2-Dichloropropane, Solid*	ND	U		1.8	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Dibromomethane, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Bromodichloromethane, Solid*	ND	U		1.8	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	cis-1,3-Dichloropropene, Solid*	ND	U		1.7	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.8	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Toluene, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB24
Date Sampled.....: 12/17/2003
Time Sampled.....: 14:30
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-7
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	ND	U		1.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,1,2-Trichloroethane, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Tetrachloroethene, Solid*	ND	U		2.2	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,3-Dichloropropane, Solid*	ND	U		1.7	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	2-Hexanone, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Dibromochloromethane, Solid*	ND	U		1.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,2-Dibromoethane (EDB), Solid*	ND	U		1.5	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Chlorobenzene, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,1,1,2-Tetrachloroethane, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Ethylbenzene, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	m&p-Xylenes, Solid*	ND	U		4.2	18	1.00000	ug/Kg	106164		12/26/03 1843	lm
	o-Xylene, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Styrene, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Bromoform, Solid*	ND	U		1.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Isopropylbenzene, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	Bromobenzene, Solid*	ND	U		1.8	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.8	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,2,3-Trichloropropane, Solid*	ND	U		2.0	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	n-Propylbenzene, Solid*	ND	U		2.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	2-Chlorotoluene, Solid*	ND	U		2.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,3,5-Trimethylbenzene, Solid*	ND	U		2.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	4-Chlorotoluene, Solid*	ND	U		2.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	tert-Butylbenzene, Solid*	ND	U		2.2	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,2,4-Trimethylbenzene, Solid*	ND	U		2.6	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	sec-Butylbenzene, Solid*	ND	U		2.2	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	p-Isopropyltoluene, Solid*	ND	U		2.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	n-Butylbenzene, Solid*	ND	U		2.4	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,2-Dibromo-3-chloropropane, Solid*	ND	U		2.2	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm
	1,2,3-Trichlorobenzene, Solid*	ND	U		2.8	9.2	1.00000	ug/Kg	106164		12/26/03 1843	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB25
Date Sampled.....: 12/17/2003
Time Sampled.....: 15:10
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-8
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	80.6			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	19.4			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND	U		3.6	21	1.00000	ug/Kg	105996		12/29/03 2146	mgk
	Aroclor 1221, Solid*	ND	U		8.3	21	1.00000	ug/Kg	105996		12/29/03 2146	mgk
	Aroclor 1232, Solid*	ND	U		3.7	21	1.00000	ug/Kg	105996		12/29/03 2146	mgk
	Aroclor 1242, Solid*	ND	U		7.8	21	1.00000	ug/Kg	105996		12/29/03 2146	mgk
	Aroclor 1248, Solid*	ND	U		2.8	21	1.00000	ug/Kg	105996		12/29/03 2146	mgk
	Aroclor 1254, Solid*	ND	U		3.3	21	1.00000	ug/Kg	105996		12/29/03 2146	mgk
	Aroclor 1260, Solid*	ND	U		3.1	21	1.00000	ug/Kg	105996		12/29/03 2146	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND	U		110	250	1.00000	ug/Kg	105995		12/30/03 0014	san
	RDX, Solid	ND	U		58	99	1.00000	ug/Kg	105995		12/30/03 0014	san
	1,3,5-Trinitrobenzene, Solid	ND	U		17	99	1.00000	ug/Kg	105995		12/30/03 0014	san
	1,3-Dinitrobenzene, Solid	ND	U		18	99	1.00000	ug/Kg	105995		12/30/03 0014	san
	Nitrobenzene, Solid	ND	U		22	99	1.00000	ug/Kg	105995		12/30/03 0014	san
	2,4,6-TNT, Solid	ND	U		33	99	1.00000	ug/Kg	105995		12/30/03 0014	san
	Tetryl, Solid	ND	U		43	200	1.00000	ug/Kg	105995		12/30/03 0014	san
	2,4-Dinitrotoluene, Solid	ND	U		35	99	1.00000	ug/Kg	105995		12/30/03 0014	san
	2,6-Dinitrotoluene, Solid	ND	U		47	200	1.00000	ug/Kg	105995		12/30/03 0014	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U		36	200	1.00000	ug/Kg	105995		12/30/03 0014	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U		96	200	1.00000	ug/Kg	105995		12/30/03 0014	san
	2-Nitrotoluene, Solid	ND	U		33	200	1.00000	ug/Kg	105995		12/30/03 0014	san
	4-Nitrotoluene, Solid	ND	U		46	500	1.00000	ug/Kg	105995		12/30/03 0014	san
	3-Nitrotoluene, Solid	ND	U		50	200	1.00000	ug/Kg	105995		12/30/03 0014	san

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB25
Date Sampled.....: 12/17/2003
Time Sampled.....: 15:10
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-8
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.061			0.0053	0.020	1	mg/Kg	106028		12/31/03 1438	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	16000			2.9	24	1	mg/Kg	106021		12/31/03 0252	tds
	Antimony, Solid*	ND	U		1.1	2.4	1	mg/Kg	106021		12/31/03 0252	tds
	Arsenic, Solid*	5.2			0.62	1.2	1	mg/Kg	106021		12/31/03 0252	tds
	Barium, Solid*	370			0.19	1.2	1	mg/Kg	106021		12/31/03 0252	tds
	Beryllium, Solid*	2.0			0.054	0.49	1	mg/Kg	106021		12/31/03 0252	tds
	Cadmium, Solid*	ND	U		0.097	0.24	1	mg/Kg	106021		12/31/03 0252	tds
	Calcium, Solid*	3400			3.8	12	1	mg/Kg	106021		12/31/03 0252	tds
	Chromium, Solid*	18			0.27	1.2	1	mg/Kg	106021		12/31/03 0252	tds
	Cobalt, Solid*	44			0.17	0.61	1	mg/Kg	106021		12/31/03 0252	tds
	Copper, Solid*	9.2			1.1	1.2	1	mg/Kg	106021		12/31/03 0252	tds
	Iron, Solid*	21000			3.6	6.1	1	mg/Kg	106021		12/31/03 0252	tds
	Lead, Solid*	19			0.52	0.61	1	mg/Kg	106021		12/31/03 0252	tds
	Magnesium, Solid*	2400			2.1	12	1	mg/Kg	106021		12/31/03 0252	tds
	Manganese, Solid*	1700			0.16	1.2	1	mg/Kg	106021		12/31/03 0252	tds
	Nickel, Solid*	34			0.30	1.2	1	mg/Kg	106021		12/31/03 0252	tds
	Potassium, Solid*	720			17	61	1	mg/Kg	106131		01/01/04 0228	lmr
	Selenium, Solid*	ND	U		0.49	1.2	1	mg/Kg	106021		12/31/03 0252	tds
	Silver, Solid*	ND	U		0.38	0.61	1	mg/Kg	106021		12/31/03 0252	tds
	Sodium, Solid*	140			110	120	1	mg/Kg	106021		12/31/03 0252	tds
	Thallium, Solid*	ND	U		0.80	1.2	1	mg/Kg	106021		12/31/03 0252	tds
	Vanadium, Solid*	32			0.26	0.61	1	mg/Kg	106131		01/01/04 0228	lmr
	Zinc, Solid*	28			0.49	2.4	1	mg/Kg	106021		12/31/03 0252	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB26
Date Sampled.....: 12/17/2003
Time Sampled.....: 15:45
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-9
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	83.2			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	16.8			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND	U		3.5	20	1.00000	ug/Kg	105996		12/29/03 2218	mgk
	Aroclor 1221, Solid*	ND	U		8.0	20	1.00000	ug/Kg	105996		12/29/03 2218	mgk
	Aroclor 1232, Solid*	ND	U		3.6	20	1.00000	ug/Kg	105996		12/29/03 2218	mgk
	Aroclor 1242, Solid*	ND	U		7.6	20	1.00000	ug/Kg	105996		12/29/03 2218	mgk
	Aroclor 1248, Solid*	ND	U		2.8	20	1.00000	ug/Kg	105996		12/29/03 2218	mgk
	Aroclor 1254, Solid*	ND	U		3.2	20	1.00000	ug/Kg	105996		12/29/03 2218	mgk
	Aroclor 1260, Solid*	ND	U		3.0	20	1.00000	ug/Kg	105996		12/29/03 2218	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND	U		110	250	1.00000	ug/Kg	105995		12/30/03 0047	san
	RDX, Solid	ND	U		57	98	1.00000	ug/Kg	105995		12/30/03 0047	san
	1,3,5-Trinitrobenzene, Solid	ND	U		17	98	1.00000	ug/Kg	105995		12/30/03 0047	san
	1,3-Dinitrobenzene, Solid	ND	U		17	98	1.00000	ug/Kg	105995		12/30/03 0047	san
	Nitrobenzene, Solid	ND	U		22	98	1.00000	ug/Kg	105995		12/30/03 0047	san
	2,4,6-TNT, Solid	ND	U		33	98	1.00000	ug/Kg	105995		12/30/03 0047	san
	Tetryl, Solid	ND	U		43	200	1.00000	ug/Kg	105995		12/30/03 0047	san
	2,4-Dinitrotoluene, Solid	ND	U		35	98	1.00000	ug/Kg	105995		12/30/03 0047	san
	2,6-Dinitrotoluene, Solid	ND	U		47	200	1.00000	ug/Kg	105995		12/30/03 0047	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U		35	200	1.00000	ug/Kg	105995		12/30/03 0047	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U		95	200	1.00000	ug/Kg	105995		12/30/03 0047	san
	2-Nitrotoluene, Solid	ND	U		33	200	1.00000	ug/Kg	105995		12/30/03 0047	san
	4-Nitrotoluene, Solid	ND	U		46	490	1.00000	ug/Kg	105995		12/30/03 0047	san
	3-Nitrotoluene, Solid	ND	U		49	200	1.00000	ug/Kg	105995		12/30/03 0047	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB26
Date Sampled.....: 12/17/2003
Time Sampled.....: 15:45
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-9
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.0082	B		0.0052	0.020	1	mg/Kg	106028		12/31/03 1440	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9100			2.7	22	1	mg/Kg	106021		12/31/03 0258	tds
	Antimony, Solid*	ND	U		1.0	2.2	1	mg/Kg	106021		12/31/03 0258	tds
	Arsenic, Solid*	3.0			0.57	1.1	1	mg/Kg	106021		12/31/03 0258	tds
	Barium, Solid*	160			0.18	1.1	1	mg/Kg	106021		12/31/03 0258	tds
	Beryllium, Solid*	1.7			0.049	0.44	1	mg/Kg	106021		12/31/03 0258	tds
	Cadmium, Solid*	ND	U		0.089	0.22	1	mg/Kg	106021		12/31/03 0258	tds
	Calcium, Solid*	3200			3.4	11	1	mg/Kg	106021		12/31/03 0258	tds
	Chromium, Solid*	19			0.24	1.1	1	mg/Kg	106021		12/31/03 0258	tds
	Cobalt, Solid*	5.5			0.16	0.56	1	mg/Kg	106021		12/31/03 0258	tds
	Copper, Solid*	6.4			1.0	1.1	1	mg/Kg	106021		12/31/03 0258	tds
	Iron, Solid*	20000			3.3	5.6	1	mg/Kg	106021		12/31/03 0258	tds
	Lead, Solid*	7.5			0.48	0.56	1	mg/Kg	106021		12/31/03 0258	tds
	Magnesium, Solid*	1800			1.9	11	1	mg/Kg	106021		12/31/03 0258	tds
	Manganese, Solid*	260			0.14	1.1	1	mg/Kg	106021		12/31/03 0258	tds
	Nickel, Solid*	27			0.28	1.1	1	mg/Kg	106021		12/31/03 0258	tds
	Potassium, Solid*	460			15	56	1	mg/Kg	106131		01/01/04 0234	lmr
	Selenium, Solid*	ND	U		0.44	1.1	1	mg/Kg	106021		12/31/03 0258	tds
	Silver, Solid*	ND	U		0.34	0.56	1	mg/Kg	106021		12/31/03 0258	tds
	Sodium, Solid*	ND	U		96	110	1	mg/Kg	106021		12/31/03 0258	tds
	Thallium, Solid*	ND	U		0.73	1.1	1	mg/Kg	106021		12/31/03 0258	tds
	Vanadium, Solid*	25			0.23	0.56	1	mg/Kg	106131		01/01/04 0234	lmr
	Zinc, Solid*	18			0.44	2.2	1	mg/Kg	106021		12/31/03 0258	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB27
Date Sampled.....: 12/17/2003
Time Sampled.....: 17:00
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-10
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO)											
	Diesel Range Organics (DRO), 3541 Solid*	ND	U		3.3	5.3	1.00000	mg/Kg	105934		12/29/03 1556	mgk
Method	% Solids Determination											
	% Solids, Solid	77.6			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	22.4			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND	U		3.7	21	1.00000	ug/Kg	105996		12/29/03 2251	mgk
	Aroclor 1221, Solid*	ND	U		8.6	21	1.00000	ug/Kg	105996		12/29/03 2251	mgk
	Aroclor 1232, Solid*	ND	U		3.9	21	1.00000	ug/Kg	105996		12/29/03 2251	mgk
	Aroclor 1242, Solid*	ND	U		8.1	21	1.00000	ug/Kg	105996		12/29/03 2251	mgk
	Aroclor 1248, Solid*	ND	U		3.0	21	1.00000	ug/Kg	105996		12/29/03 2251	mgk
	Aroclor 1254, Solid*	ND	U		3.5	21	1.00000	ug/Kg	105996		12/29/03 2251	mgk
	Aroclor 1260, Solid*	ND	U		3.2	21	1.00000	ug/Kg	105996		12/29/03 2251	mgk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.038			0.0055	0.021	1	mg/Kg	106028		12/31/03 1442	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	13000			2.8	24	1	mg/Kg	106021		12/31/03 0304	tds
	Antimony, Solid*	ND	U		1.1	2.4	1	mg/Kg	106021		12/31/03 0304	tds
	Arsenic, Solid*	3.2			0.60	1.2	1	mg/Kg	106021		12/31/03 0304	tds
	Barium, Solid*	87			0.19	1.2	1	mg/Kg	106021		12/31/03 0304	tds
	Beryllium, Solid*	0.59			0.052	0.47	1	mg/Kg	106021		12/31/03 0304	tds
	Cadmium, Solid*	ND	U		0.094	0.24	1	mg/Kg	106021		12/31/03 0304	tds
	Calcium, Solid*	2400			3.7	12	1	mg/Kg	106021		12/31/03 0304	tds
	Chromium, Solid*	18			0.26	1.2	1	mg/Kg	106021		12/31/03 0304	tds
	Cobalt, Solid*	5.1			0.17	0.59	1	mg/Kg	106021		12/31/03 0304	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB27
Date Sampled.....: 12/17/2003
Time Sampled.....: 17:00
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-10
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Copper, Solid*	8.7			1.1	1.2	1	mg/Kg	106021		12/31/03 0304	tds
	Iron, Solid*	13000			3.5	5.9	1	mg/Kg	106021		12/31/03 0304	tds
	Lead, Solid*	8.8			0.51	0.59	1	mg/Kg	106021		12/31/03 0304	tds
	Magnesium, Solid*	1700			2.0	12	1	mg/Kg	106021		12/31/03 0304	tds
	Manganese, Solid*	140			0.15	1.2	1	mg/Kg	106021		12/31/03 0304	tds
	Nickel, Solid*	9.1			0.29	1.2	1	mg/Kg	106021		12/31/03 0304	tds
	Potassium, Solid*	480			16	59	1	mg/Kg	106131		01/01/04 0241	lmr
	Selenium, Solid*	ND	U		0.47	1.2	1	mg/Kg	106021		12/31/03 0304	tds
	Silver, Solid*	ND	U		0.37	0.59	1	mg/Kg	106021		12/31/03 0304	tds
	Sodium, Solid*	290			100	120	1	mg/Kg	106021		12/31/03 0304	tds
	Thallium, Solid*	ND	U		0.78	1.2	1	mg/Kg	106021		12/31/03 0304	tds
	Vanadium, Solid*	24			0.25	0.59	1	mg/Kg	106131		01/01/04 0241	lmr
	Zinc, Solid*	20			0.47	2.4	1	mg/Kg	106021		12/31/03 0304	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB28
Date Sampled.....: 12/17/2003
Time Sampled.....: 08:30
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-11
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	81.2			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	18.8			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND	U		3.5	20	1.00000	ug/Kg	105996		12/29/03 2356	mgk
	Aroclor 1221, Solid*	ND	U		8.2	20	1.00000	ug/Kg	105996		12/29/03 2356	mgk
	Aroclor 1232, Solid*	ND	U		3.7	20	1.00000	ug/Kg	105996		12/29/03 2356	mgk
	Aroclor 1242, Solid*	ND	U		7.7	20	1.00000	ug/Kg	105996		12/29/03 2356	mgk
	Aroclor 1248, Solid*	ND	U		2.8	20	1.00000	ug/Kg	105996		12/29/03 2356	mgk
	Aroclor 1254, Solid*	ND	U		3.3	20	1.00000	ug/Kg	105996		12/29/03 2356	mgk
	Aroclor 1260, Solid*	ND	U		3.1	20	1.00000	ug/Kg	105996		12/29/03 2356	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND	U		110	250	1.00000	ug/Kg	105995		12/30/03 0119	san
	RDX, Solid	ND	U		57	98	1.00000	ug/Kg	105995		12/30/03 0119	san
	1,3,5-Trinitrobenzene, Solid	ND	U		17	98	1.00000	ug/Kg	105995		12/30/03 0119	san
	1,3-Dinitrobenzene, Solid	ND	U		17	98	1.00000	ug/Kg	105995		12/30/03 0119	san
	Nitrobenzene, Solid	ND	U		22	98	1.00000	ug/Kg	105995		12/30/03 0119	san
	2,4,6-TNT, Solid	ND	U		33	98	1.00000	ug/Kg	105995		12/30/03 0119	san
	Tetryl, Solid	ND	U		43	200	1.00000	ug/Kg	105995		12/30/03 0119	san
	2,4-Dinitrotoluene, Solid	ND	U		35	98	1.00000	ug/Kg	105995		12/30/03 0119	san
	2,6-Dinitrotoluene, Solid	ND	U		47	200	1.00000	ug/Kg	105995		12/30/03 0119	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U		35	200	1.00000	ug/Kg	105995		12/30/03 0119	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U		95	200	1.00000	ug/Kg	105995		12/30/03 0119	san
	2-Nitrotoluene, Solid	ND	U		33	200	1.00000	ug/Kg	105995		12/30/03 0119	san
	4-Nitrotoluene, Solid	ND	U		46	490	1.00000	ug/Kg	105995		12/30/03 0119	san
	3-Nitrotoluene, Solid	ND	U		49	200	1.00000	ug/Kg	105995		12/30/03 0119	san

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB28
Date Sampled.....: 12/17/2003
Time Sampled.....: 08:30
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-11
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.025			0.0053	0.020	1	mg/Kg	106028		12/31/03 1444	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	4800			2.8	23	1	mg/Kg	106021		12/31/03 0310	tds
	Antimony, Solid*	ND	U		1.0	2.3	1	mg/Kg	106021		12/31/03 0310	tds
	Arsenic, Solid*	3.4			0.59	1.2	1	mg/Kg	106021		12/31/03 0310	tds
	Barium, Solid*	58			0.19	1.2	1	mg/Kg	106021		12/31/03 0310	tds
	Beryllium, Solid*	0.42	B		0.051	0.46	1	mg/Kg	106021		12/31/03 0310	tds
	Cadmium, Solid*	ND	U		0.093	0.23	1	mg/Kg	106021		12/31/03 0310	tds
	Calcium, Solid*	17000			3.6	12	1	mg/Kg	106021		12/31/03 0310	tds
	Chromium, Solid*	9.7			0.25	1.2	1	mg/Kg	106021		12/31/03 0310	tds
	Cobalt, Solid*	4.3			0.16	0.58	1	mg/Kg	106021		12/31/03 0310	tds
	Copper, Solid*	9.1			1.0	1.2	1	mg/Kg	106021		12/31/03 0310	tds
	Iron, Solid*	8700			3.5	5.8	1	mg/Kg	106021		12/31/03 0310	tds
	Lead, Solid*	14			0.50	0.58	1	mg/Kg	106021		12/31/03 0310	tds
	Magnesium, Solid*	3800			2.0	12	1	mg/Kg	106021		12/31/03 0310	tds
	Manganese, Solid*	240			0.15	1.2	1	mg/Kg	106021		12/31/03 0310	tds
	Nickel, Solid*	11			0.29	1.2	1	mg/Kg	106021		12/31/03 0310	tds
	Potassium, Solid*	510			16	58	1	mg/Kg	106131		01/01/04 0248	lmr
	Selenium, Solid*	ND	U		0.46	1.2	1	mg/Kg	106021		12/31/03 0310	tds
	Silver, Solid*	ND	U		0.36	0.58	1	mg/Kg	106021		12/31/03 0310	tds
	Sodium, Solid*	260			100	120	1	mg/Kg	106021		12/31/03 0310	tds
	Thallium, Solid*	ND	U		0.76	1.2	1	mg/Kg	106021		12/31/03 0310	tds
	Vanadium, Solid*	13			0.24	0.58	1	mg/Kg	106131		01/01/04 0248	lmr
	Zinc, Solid*	30			0.46	2.3	1	mg/Kg	106021		12/31/03 0310	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB29
Date Sampled.....: 12/17/2003
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-12
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	79.9			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	20.1			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.6	21	1.00000	ug/Kg	105996		12/30/03 0029	mgk
	Aroclor 1221, Solid*	ND		U	8.3	21	1.00000	ug/Kg	105996		12/30/03 0029	mgk
	Aroclor 1232, Solid*	ND		U	3.7	21	1.00000	ug/Kg	105996		12/30/03 0029	mgk
	Aroclor 1242, Solid*	ND		U	7.8	21	1.00000	ug/Kg	105996		12/30/03 0029	mgk
	Aroclor 1248, Solid*	ND		U	2.8	21	1.00000	ug/Kg	105996		12/30/03 0029	mgk
	Aroclor 1254, Solid*	ND		U	3.3	21	1.00000	ug/Kg	105996		12/30/03 0029	mgk
	Aroclor 1260, Solid*	ND		U	3.1	21	1.00000	ug/Kg	105996		12/30/03 0029	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	105995		12/30/03 0224	san
	RDX, Solid	ND		U	58	100	1.00000	ug/Kg	105995		12/30/03 0224	san
	1,3,5-Trinitrobenzene, Solid	ND		U	17	100	1.00000	ug/Kg	105995		12/30/03 0224	san
	1,3-Dinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	105995		12/30/03 0224	san
	Nitrobenzene, Solid	ND		U	22	100	1.00000	ug/Kg	105995		12/30/03 0224	san
	2,4,6-TNT, Solid	ND		U	34	100	1.00000	ug/Kg	105995		12/30/03 0224	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	105995		12/30/03 0224	san
	2,4-Dinitrotoluene, Solid	ND		U	35	100	1.00000	ug/Kg	105995		12/30/03 0224	san
	2,6-Dinitrotoluene, Solid	ND		U	47	200	1.00000	ug/Kg	105995		12/30/03 0224	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND		U	36	200	1.00000	ug/Kg	105995		12/30/03 0224	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND		U	97	200	1.00000	ug/Kg	105995		12/30/03 0224	san
	2-Nitrotoluene, Solid	ND		U	33	200	1.00000	ug/Kg	105995		12/30/03 0224	san
	4-Nitrotoluene, Solid	ND		U	46	500	1.00000	ug/Kg	105995		12/30/03 0224	san
	3-Nitrotoluene, Solid	ND		U	50	200	1.00000	ug/Kg	105995		12/30/03 0224	san

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB29
Date Sampled.....: 12/17/2003
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-12
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.038			0.0054	0.021	1	mg/Kg	106028		12/31/03 1447	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	19000			2.8	23	1	mg/Kg	106021		12/31/03 0317	tds
	Antimony, Solid*	ND	U		1.0	2.3	1	mg/Kg	106021		12/31/03 0317	tds
	Arsenic, Solid*	3.1			0.58	1.1	1	mg/Kg	106021		12/31/03 0317	tds
	Barium, Solid*	74			0.18	1.1	1	mg/Kg	106021		12/31/03 0317	tds
	Beryllium, Solid*	0.91			0.050	0.46	1	mg/Kg	106021		12/31/03 0317	tds
	Cadmium, Solid*	ND	U		0.092	0.23	1	mg/Kg	106021		12/31/03 0317	tds
	Calcium, Solid*	3300			3.6	11	1	mg/Kg	106021		12/31/03 0317	tds
	Chromium, Solid*	23			0.25	1.1	1	mg/Kg	106021		12/31/03 0317	tds
	Cobalt, Solid*	4.0			0.16	0.57	1	mg/Kg	106021		12/31/03 0317	tds
	Copper, Solid*	9.8			1.0	1.1	1	mg/Kg	106021		12/31/03 0317	tds
	Iron, Solid*	15000			3.4	5.7	1	mg/Kg	106021		12/31/03 0317	tds
	Lead, Solid*	8.3			0.49	0.57	1	mg/Kg	106021		12/31/03 0317	tds
	Magnesium, Solid*	2700			1.9	11	1	mg/Kg	106021		12/31/03 0317	tds
	Manganese, Solid*	61			0.15	1.1	1	mg/Kg	106021		12/31/03 0317	tds
	Nickel, Solid*	17			0.29	1.1	1	mg/Kg	106021		12/31/03 0317	tds
	Potassium, Solid*	700			16	57	1	mg/Kg	106131		01/01/04 0255	lmr
	Selenium, Solid*	ND	U		0.46	1.1	1	mg/Kg	106021		12/31/03 0317	tds
	Silver, Solid*	ND	U		0.36	0.57	1	mg/Kg	106021		12/31/03 0317	tds
	Sodium, Solid*	150			99	110	1	mg/Kg	106021		12/31/03 0317	tds
	Thallium, Solid*	ND	U		0.76	1.1	1	mg/Kg	106021		12/31/03 0317	tds
	Vanadium, Solid*	24			0.24	0.57	1	mg/Kg	106131		01/01/04 0255	lmr
	Zinc, Solid*	27			0.46	2.3	1	mg/Kg	106021		12/31/03 0317	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB30
Date Sampled.....: 12/17/2003
Time Sampled.....: 09:45
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-13
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	83.3			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	16.7			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.5	20	1.00000	ug/Kg	105996		12/30/03 0102	mgk
	Aroclor 1221, Solid*	ND		U	8.0	20	1.00000	ug/Kg	105996		12/30/03 0102	mgk
	Aroclor 1232, Solid*	ND		U	3.6	20	1.00000	ug/Kg	105996		12/30/03 0102	mgk
	Aroclor 1242, Solid*	ND		U	7.6	20	1.00000	ug/Kg	105996		12/30/03 0102	mgk
	Aroclor 1248, Solid*	ND		U	2.8	20	1.00000	ug/Kg	105996		12/30/03 0102	mgk
	Aroclor 1254, Solid*	ND		U	3.2	20	1.00000	ug/Kg	105996		12/30/03 0102	mgk
	Aroclor 1260, Solid*	ND		U	3.0	20	1.00000	ug/Kg	105996		12/30/03 0102	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	105995		12/30/03 0402	san
	RDX, Solid	ND		U	58	100	1.00000	ug/Kg	105995		12/30/03 0402	san
	1,3,5-Trinitrobenzene, Solid	ND		U	17	100	1.00000	ug/Kg	105995		12/30/03 0402	san
	1,3-Dinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	105995		12/30/03 0402	san
	Nitrobenzene, Solid	ND		U	22	100	1.00000	ug/Kg	105995		12/30/03 0402	san
	2,4,6-TNT, Solid	ND		U	34	100	1.00000	ug/Kg	105995		12/30/03 0402	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	105995		12/30/03 0402	san
	2,4-Dinitrotoluene, Solid	ND		U	35	100	1.00000	ug/Kg	105995		12/30/03 0402	san
	2,6-Dinitrotoluene, Solid	ND		U	47	200	1.00000	ug/Kg	105995		12/30/03 0402	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND		U	36	200	1.00000	ug/Kg	105995		12/30/03 0402	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND		U	97	200	1.00000	ug/Kg	105995		12/30/03 0402	san
	2-Nitrotoluene, Solid	ND		U	33	200	1.00000	ug/Kg	105995		12/30/03 0402	san
	4-Nitrotoluene, Solid	ND		U	46	500	1.00000	ug/Kg	105995		12/30/03 0402	san
	3-Nitrotoluene, Solid	ND		U	50	200	1.00000	ug/Kg	105995		12/30/03 0402	san

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB30
Date Sampled.....: 12/17/2003
Time Sampled.....: 09:45
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-13
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.029			0.0052	0.020	1	mg/Kg	106028		12/31/03 1453	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	15000			2.8	23	1	mg/Kg	106021		12/31/03 0323	tds
	Antimony, Solid*	ND	U		1.1	2.3	1	mg/Kg	106021		12/31/03 0323	tds
	Arsenic, Solid*	7.1			0.60	1.2	1	mg/Kg	106021		12/31/03 0323	tds
	Barium, Solid*	62			0.19	1.2	1	mg/Kg	106021		12/31/03 0323	tds
	Beryllium, Solid*	0.88			0.052	0.47	1	mg/Kg	106021		12/31/03 0323	tds
	Cadmium, Solid*	ND	U		0.094	0.23	1	mg/Kg	106021		12/31/03 0323	tds
	Calcium, Solid*	2600			3.6	12	1	mg/Kg	106021		12/31/03 0323	tds
	Chromium, Solid*	21			0.26	1.2	1	mg/Kg	106021		12/31/03 0323	tds
	Cobalt, Solid*	2.5			0.16	0.59	1	mg/Kg	106021		12/31/03 0323	tds
	Copper, Solid*	11			1.1	1.2	1	mg/Kg	106021		12/31/03 0323	tds
	Iron, Solid*	20000			3.5	5.9	1	mg/Kg	106021		12/31/03 0323	tds
	Lead, Solid*	7.3			0.51	0.59	1	mg/Kg	106021		12/31/03 0323	tds
	Magnesium, Solid*	2200			2.0	12	1	mg/Kg	106021		12/31/03 0323	tds
	Manganese, Solid*	57			0.15	1.2	1	mg/Kg	106021		12/31/03 0323	tds
	Nickel, Solid*	14			0.29	1.2	1	mg/Kg	106021		12/31/03 0323	tds
	Potassium, Solid*	560			16	59	1	mg/Kg	106131		01/01/04 0301	lmr
	Selenium, Solid*	ND	U		0.47	1.2	1	mg/Kg	106021		12/31/03 0323	tds
	Silver, Solid*	ND	U		0.36	0.59	1	mg/Kg	106021		12/31/03 0323	tds
	Sodium, Solid*	180			100	120	1	mg/Kg	106021		12/31/03 0323	tds
	Thallium, Solid*	ND	U		0.78	1.2	1	mg/Kg	106021		12/31/03 0323	tds
	Vanadium, Solid*	34			0.25	0.59	1	mg/Kg	106131		01/01/04 0301	lmr
	Zinc, Solid*	27			0.47	2.3	1	mg/Kg	106021		12/31/03 0323	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB31
Date Sampled.....: 12/17/2003
Time Sampled.....: 10:30
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-14
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	79.2			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	20.8			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.7	21	1.00000	ug/Kg	105996		12/30/03 0135	mgk
	Aroclor 1221, Solid*	ND		U	8.4	21	1.00000	ug/Kg	105996		12/30/03 0135	mgk
	Aroclor 1232, Solid*	ND		U	3.8	21	1.00000	ug/Kg	105996		12/30/03 0135	mgk
	Aroclor 1242, Solid*	ND		U	7.9	21	1.00000	ug/Kg	105996		12/30/03 0135	mgk
	Aroclor 1248, Solid*	ND		U	2.9	21	1.00000	ug/Kg	105996		12/30/03 0135	mgk
	Aroclor 1254, Solid*	ND		U	3.4	21	1.00000	ug/Kg	105996		12/30/03 0135	mgk
	Aroclor 1260, Solid*	ND		U	3.2	21	1.00000	ug/Kg	105996		12/30/03 0135	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	105995		12/31/03 0622	san
	RDX, Solid	ND		U	58	100	1.00000	ug/Kg	105995		12/31/03 0622	san
	1,3,5-Trinitrobenzene, Solid	ND		U	17	100	1.00000	ug/Kg	105995		12/31/03 0622	san
	1,3-Dinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	105995		12/31/03 0622	san
	Nitrobenzene, Solid	ND		U	22	100	1.00000	ug/Kg	105995		12/31/03 0622	san
	2,4,6-TNT, Solid	ND		U	34	100	1.00000	ug/Kg	105995		12/31/03 0622	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	105995		12/31/03 0622	san
	2,4-Dinitrotoluene, Solid	ND		U	35	100	1.00000	ug/Kg	105995		12/31/03 0622	san
	2,6-Dinitrotoluene, Solid	ND		U	47	200	1.00000	ug/Kg	105995		12/31/03 0622	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND		U	36	200	1.00000	ug/Kg	105995		12/31/03 0622	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND		U	97	200	1.00000	ug/Kg	105995		12/31/03 0622	san
	2-Nitrotoluene, Solid	ND		U	33	200	1.00000	ug/Kg	105995		12/31/03 0622	san
	4-Nitrotoluene, Solid	ND		U	46	500	1.00000	ug/Kg	105995		12/31/03 0622	san
	3-Nitrotoluene, Solid	ND		U	50	200	1.00000	ug/Kg	105995		12/31/03 0622	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB31
Date Sampled.....: 12/17/2003
Time Sampled.....: 10:30
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-14
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.033			0.0054	0.021	1	mg/Kg	106028		12/31/03 1455	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.7	23	1	mg/Kg	106021		12/31/03 0329	tds
	Antimony, Solid*	ND	U		1.0	2.3	1	mg/Kg	106021		12/31/03 0329	tds
	Arsenic, Solid*	4.3			0.58	1.1	1	mg/Kg	106021		12/31/03 0329	tds
	Barium, Solid*	57			0.18	1.1	1	mg/Kg	106021		12/31/03 0329	tds
	Beryllium, Solid*	0.66			0.050	0.46	1	mg/Kg	106021		12/31/03 0329	tds
	Cadmium, Solid*	ND	U		0.091	0.23	1	mg/Kg	106021		12/31/03 0329	tds
	Calcium, Solid*	1600			3.5	11	1	mg/Kg	106021		12/31/03 0329	tds
	Chromium, Solid*	16			0.25	1.1	1	mg/Kg	106021		12/31/03 0329	tds
	Cobalt, Solid*	4.1			0.16	0.57	1	mg/Kg	106021		12/31/03 0329	tds
	Copper, Solid*	8.6			1.0	1.1	1	mg/Kg	106021		12/31/03 0329	tds
	Iron, Solid*	15000			3.4	5.7	1	mg/Kg	106021		12/31/03 0329	tds
	Lead, Solid*	13			0.49	0.57	1	mg/Kg	106021		12/31/03 0329	tds
	Magnesium, Solid*	1300			1.9	11	1	mg/Kg	106021		12/31/03 0329	tds
	Manganese, Solid*	100			0.15	1.1	1	mg/Kg	106021		12/31/03 0329	tds
	Nickel, Solid*	7.9			0.28	1.1	1	mg/Kg	106021		12/31/03 0329	tds
	Potassium, Solid*	470			16	57	1	mg/Kg	106131		01/01/04 0335	lmr
	Selenium, Solid*	ND	U		0.46	1.1	1	mg/Kg	106021		12/31/03 0329	tds
	Silver, Solid*	ND	U		0.35	0.57	1	mg/Kg	106021		12/31/03 0329	tds
	Sodium, Solid*	150			99	110	1	mg/Kg	106021		12/31/03 0329	tds
	Thallium, Solid*	ND	U		0.75	1.1	1	mg/Kg	106021		12/31/03 0329	tds
	Vanadium, Solid*	34			0.24	0.57	1	mg/Kg	106131		01/01/04 0335	lmr
	Zinc, Solid*	17			0.46	2.3	1	mg/Kg	106021		12/31/03 0329	tds

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB32
Date Sampled.....: 12/17/2003
Time Sampled.....: 11:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-15
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	79.7			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	20.3			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.6	21	1.00000	ug/Kg	105996		12/30/03 0313	mgk
	Aroclor 1221, Solid*	ND		U	8.4	21	1.00000	ug/Kg	105996		12/30/03 0313	mgk
	Aroclor 1232, Solid*	ND		U	3.8	21	1.00000	ug/Kg	105996		12/30/03 0313	mgk
	Aroclor 1242, Solid*	ND		U	7.9	21	1.00000	ug/Kg	105996		12/30/03 0313	mgk
	Aroclor 1248, Solid*	ND		U	2.9	21	1.00000	ug/Kg	105996		12/30/03 0313	mgk
	Aroclor 1254, Solid*	ND		U	3.4	21	1.00000	ug/Kg	105996		12/30/03 0313	mgk
	Aroclor 1260, Solid*	ND		U	3.1	21	1.00000	ug/Kg	105996		12/30/03 0313	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	105995		12/30/03 0507	san
	RDX, Solid	ND		U	59	100	1.00000	ug/Kg	105995		12/30/03 0507	san
	1,3,5-Trinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	105995		12/30/03 0507	san
	1,3-Dinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	105995		12/30/03 0507	san
	Nitrobenzene, Solid	ND		U	22	100	1.00000	ug/Kg	105995		12/30/03 0507	san
	2,4,6-TNT, Solid	ND		U	34	100	1.00000	ug/Kg	105995		12/30/03 0507	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	105995		12/30/03 0507	san
	2,4-Dinitrotoluene, Solid	ND		U	36	100	1.00000	ug/Kg	105995		12/30/03 0507	san
	2,6-Dinitrotoluene, Solid	ND		U	48	200	1.00000	ug/Kg	105995		12/30/03 0507	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND		U	36	200	1.00000	ug/Kg	105995		12/30/03 0507	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND		U	97	200	1.00000	ug/Kg	105995		12/30/03 0507	san
	2-Nitrotoluene, Solid	ND		U	33	200	1.00000	ug/Kg	105995		12/30/03 0507	san
	4-Nitrotoluene, Solid	ND		U	47	500	1.00000	ug/Kg	105995		12/30/03 0507	san
	3-Nitrotoluene, Solid	ND		U	50	200	1.00000	ug/Kg	105995		12/30/03 0507	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB32
Date Sampled.....: 12/17/2003
Time Sampled.....: 11:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-15
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.0068	B		0.0054	0.021	1	mg/Kg	106028		12/31/03 1457	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	17000			2.9	24	1	mg/Kg	106021		12/31/03 0406	tds
	Antimony, Solid*	ND	U		1.1	2.4	1	mg/Kg	106021		12/31/03 0406	tds
	Arsenic, Solid*	2.9			0.62	1.2	1	mg/Kg	106021		12/31/03 0406	tds
	Barium, Solid*	110			0.20	1.2	1	mg/Kg	106021		12/31/03 0406	tds
	Beryllium, Solid*	0.77			0.054	0.49	1	mg/Kg	106021		12/31/03 0406	tds
	Cadmium, Solid*	ND	U		0.098	0.24	1	mg/Kg	106021		12/31/03 0406	tds
	Calcium, Solid*	2700			3.8	12	1	mg/Kg	106021		12/31/03 0406	tds
	Chromium, Solid*	17			0.27	1.2	1	mg/Kg	106021		12/31/03 0406	tds
	Cobalt, Solid*	20			0.17	0.61	1	mg/Kg	106021		12/31/03 0406	tds
	Copper, Solid*	12			1.1	1.2	1	mg/Kg	106021		12/31/03 0406	tds
	Iron, Solid*	13000			3.7	6.1	1	mg/Kg	106021		12/31/03 0406	tds
	Lead, Solid*	10			0.52	0.61	1	mg/Kg	106021		12/31/03 0406	tds
	Magnesium, Solid*	1900			2.1	12	1	mg/Kg	106021		12/31/03 0406	tds
	Manganese, Solid*	650			0.16	1.2	1	mg/Kg	106021		12/31/03 0406	tds
	Nickel, Solid*	9.4			0.31	1.2	1	mg/Kg	106021		12/31/03 0406	tds
	Potassium, Solid*	700			17	61	1	mg/Kg	106131		01/01/04 0342	lmr
	Selenium, Solid*	ND	U		0.49	1.2	1	mg/Kg	106021		12/31/03 0406	tds
	Silver, Solid*	ND	U		0.38	0.61	1	mg/Kg	106021		12/31/03 0406	tds
	Sodium, Solid*	230			110	120	1	mg/Kg	106021		12/31/03 0406	tds
	Thallium, Solid*	ND	U		0.81	1.2	1	mg/Kg	106021		12/31/03 0406	tds
	Vanadium, Solid*	26			0.26	0.61	1	mg/Kg	106131		01/01/04 0342	lmr
	Zinc, Solid*	23			0.49	2.4	1	mg/Kg	106021		12/31/03 0406	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: S833
Date Sampled.....: 12/17/2003
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-16
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	85.0			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	15.0			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.4	19	1.00000	ug/Kg	105996		12/30/03 0346	mgk
	Aroclor 1221, Solid*	ND		U	7.8	19	1.00000	ug/Kg	105996		12/30/03 0346	mgk
	Aroclor 1232, Solid*	ND		U	3.5	19	1.00000	ug/Kg	105996		12/30/03 0346	mgk
	Aroclor 1242, Solid*	ND		U	7.3	19	1.00000	ug/Kg	105996		12/30/03 0346	mgk
	Aroclor 1248, Solid*	ND		U	2.7	19	1.00000	ug/Kg	105996		12/30/03 0346	mgk
	Aroclor 1254, Solid*	ND		U	3.1	19	1.00000	ug/Kg	105996		12/30/03 0346	mgk
	Aroclor 1260, Solid*	ND		U	2.9	19	1.00000	ug/Kg	105996		12/30/03 0346	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	105995		12/30/03 0539	san
	RDX, Solid	ND		U	59	100	1.00000	ug/Kg	105995		12/30/03 0539	san
	1,3,5-Trinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	105995		12/30/03 0539	san
	1,3-Dinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	105995		12/30/03 0539	san
	Nitrobenzene, Solid	ND		U	22	100	1.00000	ug/Kg	105995		12/30/03 0539	san
	2,4,6-TNT, Solid	ND		U	34	100	1.00000	ug/Kg	105995		12/30/03 0539	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	105995		12/30/03 0539	san
	2,4-Dinitrotoluene, Solid	ND		U	36	100	1.00000	ug/Kg	105995		12/30/03 0539	san
	2,6-Dinitrotoluene, Solid	ND		U	48	200	1.00000	ug/Kg	105995		12/30/03 0539	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND		U	36	200	1.00000	ug/Kg	105995		12/30/03 0539	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND		U	97	200	1.00000	ug/Kg	105995		12/30/03 0539	san
	2-Nitrotoluene, Solid	ND		U	33	200	1.00000	ug/Kg	105995		12/30/03 0539	san
	4-Nitrotoluene, Solid	ND		U	47	500	1.00000	ug/Kg	105995		12/30/03 0539	san
	3-Nitrotoluene, Solid	ND		U	50	200	1.00000	ug/Kg	105995		12/30/03 0539	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB33
Date Sampled.....: 12/17/2003
Time Sampled.....: 13:00
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-16
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.011	B		0.0051	0.019	1	mg/Kg	106028		12/31/03 1459	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	14000			2.6	22	1	mg/Kg	106021		12/31/03 0412	tds
	Antimony, Solid*	ND	U		0.99	2.2	1	mg/Kg	106021		12/31/03 0412	tds
	Arsenic, Solid*	5.7			0.56	1.1	1	mg/Kg	106021		12/31/03 0412	tds
	Barium, Solid*	140			0.18	1.1	1	mg/Kg	106021		12/31/03 0412	tds
	Beryllium, Solid*	2.0			0.048	0.44	1	mg/Kg	106021		12/31/03 0412	tds
	Cadmium, Solid*	0.23			0.088	0.22	1	mg/Kg	106131		01/01/04 0349	lmr
	Calcium, Solid*	2400			3.4	11	1	mg/Kg	106021		12/31/03 0412	tds
	Chromium, Solid*	26			0.24	1.1	1	mg/Kg	106021		12/31/03 0412	tds
	Cobalt, Solid*	53			0.15	0.55	1	mg/Kg	106021		12/31/03 0412	tds
	Copper, Solid*	74			0.99	1.1	1	mg/Kg	106021		12/31/03 0412	tds
	Iron, Solid*	65000			3.3	5.5	1	mg/Kg	106021		12/31/03 0412	tds
	Lead, Solid*	8.5			0.47	0.55	1	mg/Kg	106021		12/31/03 0412	tds
	Magnesium, Solid*	4300			1.9	11	1	mg/Kg	106021		12/31/03 0412	tds
	Manganese, Solid*	330			0.14	1.1	1	mg/Kg	106021		12/31/03 0412	tds
	Nickel, Solid*	88			0.28	1.1	1	mg/Kg	106021		12/31/03 0412	tds
	Potassium, Solid*	1300			15	55	1	mg/Kg	106131		01/01/04 0349	lmr
	Selenium, Solid*	ND	U		0.44	1.1	1	mg/Kg	106021		12/31/03 0412	tds
	Silver, Solid*	ND	U		0.34	0.55	1	mg/Kg	106021		12/31/03 0412	tds
	Sodium, Solid*	ND	U		95	110	1	mg/Kg	106021		12/31/03 0412	tds
	Thallium, Solid*	ND	U		0.73	1.1	1	mg/Kg	106021		12/31/03 0412	tds
	Vanadium, Solid*	48			0.23	0.55	1	mg/Kg	106131		01/01/04 0349	lmr
	Zinc, Solid*	150			0.44	2.2	1	mg/Kg	106021		12/31/03 0412	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB34
Date Sampled.....: 12/17/2003
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-17
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	79.6			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	20.4			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.6	21	1.00000	ug/Kg	105996		12/30/03 0419	mgk
	Aroclor 1221, Solid*	ND		U	8.4	21	1.00000	ug/Kg	105996		12/30/03 0419	mgk
	Aroclor 1232, Solid*	ND		U	3.8	21	1.00000	ug/Kg	105996		12/30/03 0419	mgk
	Aroclor 1242, Solid*	ND		U	7.9	21	1.00000	ug/Kg	105996		12/30/03 0419	mgk
	Aroclor 1248, Solid*	ND		U	2.9	21	1.00000	ug/Kg	105996		12/30/03 0419	mgk
	Aroclor 1254, Solid*	ND		U	3.4	21	1.00000	ug/Kg	105996		12/30/03 0419	mgk
	Aroclor 1260, Solid*	ND		U	3.1	21	1.00000	ug/Kg	105996		12/30/03 0419	mgk
8330	Explosives by 8330 (HPLC)											
	HMX, Solid	ND		U	110	250	1.00000	ug/Kg	105995		12/30/03 0612	san
	RDX, Solid	ND		U	59	100	1.00000	ug/Kg	105995		12/30/03 0612	san
	1,3,5-Trinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	105995		12/30/03 0612	san
	1,3-Dinitrobenzene, Solid	ND		U	18	100	1.00000	ug/Kg	105995		12/30/03 0612	san
	Nitrobenzene, Solid	ND		U	22	100	1.00000	ug/Kg	105995		12/30/03 0612	san
	2,4,6-TNT, Solid	ND		U	34	100	1.00000	ug/Kg	105995		12/30/03 0612	san
	Tetryl, Solid	ND		U	43	200	1.00000	ug/Kg	105995		12/30/03 0612	san
	2,4-Dinitrotoluene, Solid	ND		U	36	100	1.00000	ug/Kg	105995		12/30/03 0612	san
	2,6-Dinitrotoluene, Solid	ND		U	48	200	1.00000	ug/Kg	105995		12/30/03 0612	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND		U	36	200	1.00000	ug/Kg	105995		12/30/03 0612	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND		U	97	200	1.00000	ug/Kg	105995		12/30/03 0612	san
	2-Nitrotoluene, Solid	ND		U	33	200	1.00000	ug/Kg	105995		12/30/03 0612	san
	4-Nitrotoluene, Solid	ND		U	47	500	1.00000	ug/Kg	105995		12/30/03 0612	san
	3-Nitrotoluene, Solid	ND		U	50	200	1.00000	ug/Kg	105995		12/30/03 0612	san

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB34
Date Sampled.....: 12/17/2003
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-17
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.024			0.0054	0.021	1	mg/Kg	106028		12/31/03 1501	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	11000			2.8	23	1	mg/Kg	106021		12/31/03 0418	tds
	Antimony, Solid*	ND	U		1.1	2.3	1	mg/Kg	106021		12/31/03 0418	tds
	Arsenic, Solid*	7.2			0.60	1.2	1	mg/Kg	106021		12/31/03 0418	tds
	Barium, Solid*	150			0.19	1.2	1	mg/Kg	106021		12/31/03 0418	tds
	Beryllium, Solid*	0.88			0.052	0.47	1	mg/Kg	106021		12/31/03 0418	tds
	Cadmium, Solid*	0.18	B		0.094	0.23	1	mg/Kg	106021		12/31/03 0418	tds
	Calcium, Solid*	8300			3.6	12	1	mg/Kg	106021		12/31/03 0418	tds
	Chromium, Solid*	19			0.26	1.2	1	mg/Kg	106021		12/31/03 0418	tds
	Cobalt, Solid*	7.6			0.16	0.59	1	mg/Kg	106021		12/31/03 0418	tds
	Copper, Solid*	33			1.1	1.2	1	mg/Kg	106021		12/31/03 0418	tds
	Iron, Solid*	17000			3.5	5.9	1	mg/Kg	106021		12/31/03 0418	tds
	Lead, Solid*	110			0.50	0.59	1	mg/Kg	106021		12/31/03 0418	tds
	Magnesium, Solid*	3400			2.0	12	1	mg/Kg	106021		12/31/03 0418	tds
	Manganese, Solid*	900			0.15	1.2	1	mg/Kg	106021		12/31/03 0418	tds
	Nickel, Solid*	19			0.29	1.2	1	mg/Kg	106021		12/31/03 0418	tds
	Potassium, Solid*	1200			16	59	1	mg/Kg	106131		01/01/04 0402	lmr
	Selenium, Solid*	ND	U		0.47	1.2	1	mg/Kg	106021		12/31/03 0418	tds
	Silver, Solid*	ND	U		0.36	0.59	1	mg/Kg	106021		12/31/03 0418	tds
	Sodium, Solid*	210			100	120	1	mg/Kg	106021		12/31/03 0418	tds
	Thallium, Solid*	ND	U		0.77	1.2	1	mg/Kg	106021		12/31/03 0418	tds
	Vanadium, Solid*	32			0.25	0.59	1	mg/Kg	106131		01/01/04 0402	lmr
	Zinc, Solid*	73			0.47	2.3	1	mg/Kg	106021		12/31/03 0418	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U		0.83	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB34
Date Sampled.....: 12/17/2003
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-17
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chloromethane, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Vinyl chloride, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Bromomethane, Solid*	ND	U		1.5	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Chloroethane, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Trichlorofluoromethane, Solid*	ND	U		1.6	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,1-Dichloroethene, Solid*	ND	U		1.5	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Carbon disulfide, Solid*	ND	U		1.4	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Acetone, Solid*	9.8			5.2	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Methylene chloride, Solid*	ND	U		3.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	trans-1,2-Dichloroethene, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,1-Dichloroethane, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	2,2-Dichloropropane, Solid*	ND	U		1.0	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	2-Butanone (MEK), Solid*	ND	U		4.4	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Bromochloromethane, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Chloroform, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,1,1-Trichloroethane, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,1-Dichloropropene, Solid*	ND	U		1.4	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Carbon tetrachloride, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Benzene, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,2-Dichloroethane, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Trichloroethene, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,2-Dichloropropane, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Dibromomethane, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Bromodichloromethane, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	cis-1,3-Dichloropropene, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Toluene, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB34
Date Sampled.....: 12/17/2003
Time Sampled.....: 13:45
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-17
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene, Solid*	ND	U		0.90	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,1,2-Trichloroethane, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Tetrachloroethene, Solid*	ND	U		1.4	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,3-Dichloropropane, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	2-Hexanone, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Dibromochloromethane, Solid*	ND	U		0.90	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,2-Dibromoethane (EDB), Solid*	ND	U		0.93	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Chlorobenzene, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,1,1,2-Tetrachloroethane, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Ethylbenzene, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	m&p-Xylenes, Solid*	ND	U		2.6	11	1.00000	ug/Kg	106164		12/26/03 1910	lm
	o-Xylene, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Styrene, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Bromoform, Solid*	ND	U		0.85	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Isopropylbenzene, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	Bromobenzene, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,2,3-Trichloropropane, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	n-Propylbenzene, Solid*	ND	U		1.5	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	2-Chlorotoluene, Solid*	ND	U		1.5	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,3,5-Trimethylbenzene, Solid*	ND	U		1.5	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	4-Chlorotoluene, Solid*	ND	U		1.5	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	tert-Butylbenzene, Solid*	ND	U		1.4	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,2,4-Trimethylbenzene, Solid*	ND	U		1.6	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	sec-Butylbenzene, Solid*	ND	U		1.4	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	p-Isopropyltoluene, Solid*	ND	U		1.5	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	n-Butylbenzene, Solid*	ND	U		1.5	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,2-Dibromo-3-chloropropane, Solid*	ND	U		1.4	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm
	1,2,3-Trichlorobenzene, Solid*	ND	U		1.7	5.7	1.00000	ug/Kg	106164		12/26/03 1910	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB35 *
Date Sampled.....: 12/17/2003
Time Sampled.....: 14:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-18
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	81.9			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	18.1			0.10	0.10	1	%	105971		12/30/03 2040	clb
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.016	B		0.0053	0.020	1	mg/Kg	106028		12/31/03 1503	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	16000			2.7	22	1	mg/Kg	106021		12/31/03 0424	tds
	Antimony, Solid*	ND	U		1.0	2.2	1	mg/Kg	106021		12/31/03 0424	tds
	Arsenic, Solid*	4.4			0.57	1.1	1	mg/Kg	106021		12/31/03 0424	tds
	Barium, Solid*	40			0.18	1.1	1	mg/Kg	106021		12/31/03 0424	tds
	Beryllium, Solid*	0.76			0.049	0.45	1	mg/Kg	106021		12/31/03 0424	tds
	Cadmium, Solid*	ND	U		0.089	0.22	1	mg/Kg	106021		12/31/03 0424	tds
	Calcium, Solid*	2400			3.5	11	1	mg/Kg	106021		12/31/03 0424	tds
	Chromium, Solid*	22			0.25	1.1	1	mg/Kg	106021		12/31/03 0424	tds
	Cobalt, Solid*	3.5			0.16	0.56	1	mg/Kg	106021		12/31/03 0424	tds
	Copper, Solid*	8.8			1.0	1.1	1	mg/Kg	106021		12/31/03 0424	tds
	Iron, Solid*	17000			3.4	5.6	1	mg/Kg	106021		12/31/03 0424	tds
	Lead, Solid*	6.7			0.48	0.56	1	mg/Kg	106021		12/31/03 0424	tds
	Magnesium, Solid*	1900			1.9	11	1	mg/Kg	106021		12/31/03 0424	tds
	Manganese, Solid*	86			0.15	1.1	1	mg/Kg	106021		12/31/03 0424	tds
	Nickel, Solid*	10			0.28	1.1	1	mg/Kg	106021		12/31/03 0424	tds
	Potassium, Solid*	540			15	56	1	mg/Kg	106131		01/01/04 0409	lmr
	Selenium, Solid*	ND	U		0.45	1.1	1	mg/Kg	106021		12/31/03 0424	tds
	Silver, Solid*	ND	U		0.35	0.56	1	mg/Kg	106021		12/31/03 0424	tds
	Sodium, Solid*	420			97	110	1	mg/Kg	106021		12/31/03 0424	tds
	Thallium, Solid*	ND	U		0.74	1.1	1	mg/Kg	106021		12/31/03 0424	tds
	Vanadium, Solid*	29			0.23	0.56	1	mg/Kg	106131		01/01/04 0409	lmr

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB35
Date Sampled.....: 12/17/2003
Time Sampled.....: 14:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-18
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	21			0.45	2.2	1	mg/Kg	106021		12/31/03 0424	tds
8260B	Volatile Organics											
	Dichlorodifluoromethane, Solid*	ND	U		0.85	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Chloromethane, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Vinyl chloride, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Bromomethane, Solid*	ND	U		1.5	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Chloroethane, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Trichlorofluoromethane, Solid*	ND	U		1.6	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,1-Dichloroethene, Solid*	ND	U		1.5	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Carbon disulfide, Solid*	ND	U		1.4	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Acetone, Solid*	10			5.4	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Methylene chloride, Solid*	ND	U		3.4	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	trans-1,2-Dichloroethene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Methyl-tert-butyl-ether (MTBE), Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,1-Dichloroethane, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	2,2-Dichloropropane, Solid*	ND	U		1.1	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	2-Butanone (MEK), Solid*	ND	U		4.5	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Bromochloromethane, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Chloroform, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,1,1-Trichloroethane, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,1-Dichloropropene, Solid*	ND	U		1.4	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Carbon tetrachloride, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Benzene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,2-Dichloroethane, Solid*	ND	U		1.1	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Trichloroethene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,2-Dichloropropane, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Dibromomethane, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB35
Date Sampled.....: 12/17/2003
Time Sampled.....: 14:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-18
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bromodichloromethane, Solid*	ND	U		1.1	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	cis-1,3-Dichloropropene, Solid*	ND	U		1.1	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Toluene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	trans-1,3-Dichloropropene, Solid*	ND	U		0.92	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,1,2-Trichloroethane, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Tetrachloroethene, Solid*	ND	U		1.4	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,3-Dichloropropane, Solid*	ND	U		1.1	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	2-Hexanone, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Dibromochloromethane, Solid*	ND	U		0.92	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,2-Dibromoethane (EDB), Solid*	ND	U		0.96	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Chlorobenzene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,1,1,2-Tetrachloroethane, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Ethylbenzene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	m&p-Xylenes, Solid*	ND	U		2.7	12	1.00000	ug/Kg	106164		12/26/03 1937	lm
	o-Xylene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Styrene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Bromoform, Solid*	ND	U		0.87	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Isopropylbenzene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	Bromobenzene, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.1	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,2,3-Trichloropropane, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	n-Propylbenzene, Solid*	ND	U		1.5	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	2-Chlorotoluene, Solid*	ND	U		1.5	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,3,5-Trimethylbenzene, Solid*	ND	U		1.5	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	4-Chlorotoluene, Solid*	ND	U		1.5	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	tert-Butylbenzene, Solid*	ND	U		1.4	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,2,4-Trimethylbenzene, Solid*	ND	U		1.6	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	sec-Butylbenzene, Solid*	ND	U		1.4	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB35
Date Sampled.....: 12/17/2003
Time Sampled.....: 14:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-18
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	p-Isopropyltoluene, Solid*	ND	U		1.5	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	n-Butylbenzene, Solid*	ND	U		1.5	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,2-Dibromo-3-chloropropane, Solid*	ND	U		1.4	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm
	1,2,3-Trichlorobenzene, Solid*	ND	U		1.7	5.8	1.00000	ug/Kg	106164		12/26/03 1937	lm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB36
Date Sampled.....: 12/17/2003
Time Sampled.....: 15:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-19
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO)											
	Diesel Range Organics (DRO), 3541 Solid*	3.2	J	a	3.2	5.1	1.00000	mg/Kg	105934		12/29/03 1634	mgk
Method	% Solids Determination											
	% Solids, Solid	81.2			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	18.8			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND	U		3.5	20	1.00000	ug/Kg	105996		12/30/03 0451	mgk
	Aroclor 1221, Solid*	ND	U		8.2	20	1.00000	ug/Kg	105996		12/30/03 0451	mgk
	Aroclor 1232, Solid*	ND	U		3.7	20	1.00000	ug/Kg	105996		12/30/03 0451	mgk
	Aroclor 1242, Solid*	ND	U		7.7	20	1.00000	ug/Kg	105996		12/30/03 0451	mgk
	Aroclor 1248, Solid*	ND	U		2.8	20	1.00000	ug/Kg	105996		12/30/03 0451	mgk
	Aroclor 1254, Solid*	ND	U		3.3	20	1.00000	ug/Kg	105996		12/30/03 0451	mgk
	Aroclor 1260, Solid*	ND	U		3.1	20	1.00000	ug/Kg	105996		12/30/03 0451	mgk
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.048			0.0053	0.020	1	mg/Kg	106028		12/31/03 1505	daj
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	12000			2.8	24	1	mg/Kg	106021		12/31/03 0430	tds
	Antimony, Solid*	ND	U		1.1	2.4	1	mg/Kg	106021		12/31/03 0430	tds
	Arsenic, Solid*	4.9			0.60	1.2	1	mg/Kg	106021		12/31/03 0430	tds
	Barium, Solid*	60			0.19	1.2	1	mg/Kg	106021		12/31/03 0430	tds
	Beryllium, Solid*	0.84			0.052	0.47	1	mg/Kg	106021		12/31/03 0430	tds
	Cadmium, Solid*	ND	U		0.094	0.24	1	mg/Kg	106021		12/31/03 0430	tds
	Calcium, Solid*	1800			3.6	12	1	mg/Kg	106021		12/31/03 0430	tds
	Chromium, Solid*	17			0.26	1.2	1	mg/Kg	106021		12/31/03 0430	tds
	Cobalt, Solid*	4.7			0.16	0.59	1	mg/Kg	106021		12/31/03 0430	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB36
Date Sampled.....: 12/17/2003
Time Sampled.....: 15:15
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-19
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Copper, Solid*	9.7			1.1	1.2	1	mg/Kg	106021		12/31/03 0430	tds
	Iron, Solid*	16000			3.5	5.9	1	mg/Kg	106021		12/31/03 0430	tds
	Lead, Solid*	9.7			0.51	0.59	1	mg/Kg	106021		12/31/03 0430	tds
	Magnesium, Solid*	1600			2.0	12	1	mg/Kg	106021		12/31/03 0430	tds
	Manganese, Solid*	170			0.15	1.2	1	mg/Kg	106021		12/31/03 0430	tds
	Nickel, Solid*	10			0.29	1.2	1	mg/Kg	106021		12/31/03 0430	tds
	Potassium, Solid*	480			16	59	1	mg/Kg	106131		01/01/04 0416	lmr
	Selenium, Solid*	ND		U	0.47	1.2	1	mg/Kg	106021		12/31/03 0430	tds
	Silver, Solid*	ND		U	0.36	0.59	1	mg/Kg	106021		12/31/03 0430	tds
	Sodium, Solid*	340			100	120	1	mg/Kg	106021		12/31/03 0430	tds
	Thallium, Solid*	ND		U	0.78	1.2	1	mg/Kg	106021		12/31/03 0430	tds
	Vanadium, Solid*	31			0.25	0.59	1	mg/Kg	106131		01/01/04 0416	lmr
	Zinc, Solid*	23			0.47	2.4	1	mg/Kg	106021		12/31/03 0430	tds

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB37
Date Sampled.....: 12/17/2003
Time Sampled.....: 16:10
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-20
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO)											
	Diesel Range Organics (DRO), 3541 Solid*	5.1			3.1	5.0	1.00000	mg/Kg	105934		12/29/03 1713	mgk
Method	% Solids Determination											
	% Solids, Solid	82.1			0.10	0.10	1	%	105971		12/30/03 2040	clb
	% Moisture, Solid	17.9			0.10	0.10	1	%	105971		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND	U		3.5	20	1.00000	ug/Kg	105996		12/30/03 0557	mgk
	Aroclor 1221, Solid*	ND	U		8.1	20	1.00000	ug/Kg	105996		12/30/03 0557	mgk
	Aroclor 1232, Solid*	ND	U		3.6	20	1.00000	ug/Kg	105996		12/30/03 0557	mgk
	Aroclor 1242, Solid*	ND	U		7.6	20	1.00000	ug/Kg	105996		12/30/03 0557	mgk
	Aroclor 1248, Solid*	ND	U		2.8	20	1.00000	ug/Kg	105996		12/30/03 0557	mgk
	Aroclor 1254, Solid*	ND	U		3.3	20	1.00000	ug/Kg	105996		12/30/03 0557	mgk
	Aroclor 1260, Solid*	ND	U		3.0	20	1.00000	ug/Kg	105996		12/30/03 0557	mgk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB38
Date Sampled.....: 12/17/2003
Time Sampled.....: 16:30
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-21
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO)											
	Diesel Range Organics (DRO), 3541 Solid*	4.8	J	a	3.1	5.0	1.00000	mg/Kg	105934		12/29/03 1752	mgk
Method	% Solids Determination											
	% Solids, Solid	83.9			0.10	0.10	1	%	105972		12/30/03 2040	clb
	% Moisture, Solid	16.1			0.10	0.10	1	%	105972		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND	U		3.4	20	1.00000	ug/Kg	105996		12/30/03 0630	mgk
	Aroclor 1221, Solid*	ND	U		8.0	20	1.00000	ug/Kg	105996		12/30/03 0630	mgk
	Aroclor 1232, Solid*	ND	U		3.6	20	1.00000	ug/Kg	105996		12/30/03 0630	mgk
	Aroclor 1242, Solid*	ND	U		7.5	20	1.00000	ug/Kg	105996		12/30/03 0630	mgk
	Aroclor 1248, Solid*	ND	U		2.7	20	1.00000	ug/Kg	105996		12/30/03 0630	mgk
	Aroclor 1254, Solid*	ND	U		3.2	20	1.00000	ug/Kg	105996		12/30/03 0630	mgk
	Aroclor 1260, Solid*	ND	U		3.0	20	1.00000	ug/Kg	105996		12/30/03 0630	mgk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB39
Date Sampled.....: 12/17/2003
Time Sampled.....: 17:10
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-22
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO)											
	Diesel Range Organics (DRO), 3541 Solid*	27			3.1	4.9	1.00000	mg/Kg	105934		12/30/03 1003	mgk
Method	% Solids Determination											
	% Solids, Solid	83.3			0.10	0.10	1	%	105972		12/30/03 2040	clb
	% Moisture, Solid	16.7			0.10	0.10	1	%	105972		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND	U		35	200	10.0000	ug/Kg	105996		12/30/03 0840	mgk
	Aroclor 1221, Solid*	ND	U		80	200	10.0000	ug/Kg	105996		12/30/03 0840	mgk
	Aroclor 1232, Solid*	ND	U		36	200	10.0000	ug/Kg	105996		12/30/03 0840	mgk
	Aroclor 1242, Solid*	ND	U		75	200	10.0000	ug/Kg	105996		12/30/03 0840	mgk
	Aroclor 1248, Solid*	ND	U		28	200	10.0000	ug/Kg	105996		12/30/03 0840	mgk
	Aroclor 1254, Solid*	ND	U		32	200	10.0000	ug/Kg	105996		12/30/03 0840	mgk
	Aroclor 1260, Solid*	3900			30	200	10.0000	ug/Kg	105996		12/30/03 0840	mgk

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 223218

Date:01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: SB40
Date Sampled.....: 12/17/2003
Time Sampled.....: 17:30
Sample Matrix.....: Soil

Laboratory Sample ID: 223218-23
Date Received.....: 12/19/2003
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO)											
	Diesel Range Organics (DRO), 3541 Solid*	17			3.1	5.0	1.00000	mg/Kg	105934		12/30/03 1120	mgk
Method	% Solids Determination											
	% Solids, Solid	82.1			0.10	0.10	1	%	105972		12/30/03 2040	clb
	% Moisture, Solid	17.9			0.10	0.10	1	%	105972		12/30/03 2040	clb
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	35	200	10.0000	ug/Kg	105996		12/30/03 1230	mgk
	Aroclor 1221, Solid*	ND		U	81	200	10.0000	ug/Kg	105996		12/30/03 1230	mgk
	Aroclor 1232, Solid*	ND		U	36	200	10.0000	ug/Kg	105996		12/30/03 1230	mgk
	Aroclor 1242, Solid*	ND		U	76	200	10.0000	ug/Kg	105996		12/30/03 1230	mgk
	Aroclor 1248, Solid*	ND		U	28	200	10.0000	ug/Kg	105996		12/30/03 1230	mgk
	Aroclor 1254, Solid*	ND		U	33	200	10.0000	ug/Kg	105996		12/30/03 1230	mgk
	Aroclor 1260, Solid*	1000			30	200	10.0000	ug/Kg	105996		12/30/03 1230	mgk

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 223218 Date: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Lab ID: 223218-1 Client ID: SB18 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
8330	8330 Extraction (Explosives)	1	105476		12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
EDD	Electronic Data Deliverable	1	106231				
8330	Explosives by 8330 (HPLC)	1	105995	105476	12/29/2003	2204	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1407	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0115	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0033	
8082	PCB Analysis	1	105996	105538	12/29/2003	1546	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	

Lab ID: 223218-2 Client ID: SB19 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
8330	8330 Extraction (Explosives)	1	105476		12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
8330	Explosives by 8330 (HPLC)	1	105995	105476	12/29/2003	2236	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1415	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0146	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0107	
8082	PCB Analysis	1	105996	105538	12/29/2003	1757	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	

Lab ID: 223218-3 Client ID: SB20 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
5030A	5030 Purge & Trap of Methanol Extract	1	105814		12/30/2003	0414	
5035	5035 Archon Closed Purge & Trap	1	105634		12/26/2003	2004	
5035	5035 Preservation High (Methanol)	1	105448		12/17/2003	1220	
5035	5035 Preservation Low	1	105443		12/17/2003	1220	
5035	5035 Preservation Low	2	105443		12/17/2003	1220	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1424	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0152	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0113	
8082	PCB Analysis	1	105996	105538	12/29/2003	1830	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	
8260B	Volatile Organics	1	106164	105443-105634	12/26/2003	2004	1.00000

Lab ID: 223218-4 Client ID: SB21 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1426	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0159	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0201	5
8082	PCB Analysis	1	105996	105538	12/29/2003	1902	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	

Lab ID: 223218-5 Client ID: SB22 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	

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Job Number: 223218 Date: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Lab ID: 223218-5 Client ID: SB22 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1520	2000
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0233	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0207	
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	
9045C	pH (Soil)	1	106149	106149	01/02/2004	1209	

Lab ID: 223218-6 Client ID: SB23 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
8330	8330 Extraction (Explosives)	1	105476		12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
8330	Explosives by 8330 (HPLC)	1	105995	105476	12/29/2003	2309	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1434	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0239	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0214	
8082	PCB Analysis	1	105996	105538	12/29/2003	1935	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	

Lab ID: 223218-7 Client ID: SB24 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
5030A	5030 Purge & Trap of Methanol Extract	1	105814		12/30/2003	0436	
5035	5035 Archon Closed Purge & Trap	1	105634		12/26/2003	1843	
5035	5035 Preservation High (Methanol)	1	105448		12/17/2003	1430	
5035	5035 Preservation Low	1	105443		12/17/2003	1430	
8330	8330 Extraction (Explosives)	1	105476		12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
8330	Explosives by 8330 (HPLC)	1	105995	105476	12/29/2003	2342	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1436	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0245	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0221	
8082	PCB Analysis	1	105996	105538	12/29/2003	2113	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	
8260B	Volatile Organics	1	106164	105443-105634	12/26/2003	1843	1.00000

Lab ID: 223218-8 Client ID: SB25 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
8330	8330 Extraction (Explosives)	1	105476		12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
8330	Explosives by 8330 (HPLC)	1	105995	105476	12/30/2003	0014	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1438	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0252	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0228	
8082	PCB Analysis	1	105996	105538	12/29/2003	2146	1.00000
7470/7471	SW846 Digestion (Hg),	1	106001		12/31/2003	0925	

Lab ID: 223218-9 Client ID: SB26 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
8330	8330 Extraction (Explosives)	1	105476		12/23/2003	1400	

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Job Number: 223218 Date: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Lab ID: 223218-9 Client ID: SB26 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
8330	Explosives by 8330 (HPLC)	1	105995	105476	12/30/2003	0047	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1440	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0258	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0234	
8082	PCB Analysis	1	105996	105538	12/29/2003	2218	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	

Lab ID: 223218-10 Client ID: SB27 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
3541	Extraction Soxhlet (DRO)	1	105534		12/24/2003	1115	
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1442	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0304	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0241	
8082	PCB Analysis	1	105996	105538	12/29/2003	2251	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	105934	105534	12/29/2003	1556	1.00000

Lab ID: 223218-11 Client ID: SB28 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
8330	8330 Extraction (Explosives)	1	105476		12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
8330	Explosives by 8330 (HPLC)	1	105995	105476	12/30/2003	0119	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1444	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0310	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0248	
8082	PCB Analysis	1	105996	105538	12/29/2003	2356	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	

Lab ID: 223218-12 Client ID: SB29 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
8330	8330 Extraction (Explosives)	1	105476		12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
8330	Explosives by 8330 (HPLC)	1	105995	105476	12/30/2003	0224	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1447	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0317	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0255	
8082	PCB Analysis	1	105996	105538	12/30/2003	0029	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	

Lab ID: 223218-13 Client ID: SB30 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
8330	8330 Extraction (Explosives)	1	105476		12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
8330	Explosives by 8330 (HPLC)	1	105995	105476	12/30/2003	0402	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	

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Job Number: 223218 Date: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Lab ID: 223218-13 Client ID: SB30 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED		DILUTION
7471A	Mercury (CVAA) Solids	1	106028	106001		12/31/2003	1453	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701		12/31/2003	0323	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701		01/01/2004	0301	
8082	PCB Analysis	1	105996	105538		12/30/2003	0102	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001			12/31/2003	0925	

Lab ID: 223218-14 Client ID: SB31 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971			12/30/2003	2040	
8330	8330 Extraction (Explosives)	1	105476			12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701			12/29/2003	1135	
8330	Explosives by 8330 (HPLC)	1	105995	105476		12/31/2003	0622	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538			12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001		12/31/2003	1455	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701		12/31/2003	0329	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701		01/01/2004	0335	
8082	PCB Analysis	1	105996	105538		12/30/2003	0135	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001			12/31/2003	0925	

Lab ID: 223218-15 Client ID: SB32 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971			12/30/2003	2040	
8330	8330 Extraction (Explosives)	1	105476			12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701			12/29/2003	1135	
8330	Explosives by 8330 (HPLC)	1	105995	105476		12/30/2003	0507	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538			12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001		12/31/2003	1457	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701		12/31/2003	0406	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701		01/01/2004	0342	
8082	PCB Analysis	1	105996	105538		12/30/2003	0313	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001			12/31/2003	0925	

Lab ID: 223218-16 Client ID: SB33 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971			12/30/2003	2040	
8330	8330 Extraction (Explosives)	1	105476			12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701			12/29/2003	1135	
8330	Explosives by 8330 (HPLC)	1	105995	105476		12/30/2003	0539	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538			12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001		12/31/2003	1459	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701		12/31/2003	0412	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701		01/01/2004	0349	
8082	PCB Analysis	1	105996	105538		12/30/2003	0346	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001			12/31/2003	0925	

Lab ID: 223218-17 Client ID: SB34 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971			12/30/2003	2040	
5030A	5030 Purge & Trap of Methanol Extract	1	105814			12/30/2003	0459	
5035	5035 Archon Closed Purge & Trap	1	105634			12/26/2003	1910	
5035	5035 Preservation High (Methanol)	1	105448			12/17/2003	1345	
5035	5035 Preservation Low	1	105443			12/17/2003	1345	
5035	5035 Preservation Low	2	105443			12/17/2003	1345	
8330	8330 Extraction (Explosives)	1	105476			12/23/2003	1400	
3050B	Acid Digestion: Solids (ICAP)	1	105701			12/29/2003	1135	

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LABORATORY CHRONICLE

Job Number: 223218 Date: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Lab ID: 223218-17 Client ID: SB34 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
8330	Explosives by 8330 (HPLC)	1	105995	105476	12/30/2003	0612	1.00000
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1501	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0418	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0402	
8082	PCB Analysis	1	105996	105538	12/30/2003	0419	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	
8260B	Volatile Organics	1	106164	105443-105634	12/26/2003	1910	1.00000

Lab ID: 223218-18 Client ID: SB35 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
5030A	5030 Purge & Trap of Methanol Extract	1	105814		12/30/2003	0521	
5035	5035 Archon Closed Purge & Trap	1	105634		12/26/2003	1937	
5035	5035 Preservation High (Methanol)	1	105448		12/17/2003	1415	
5035	5035 Preservation Low	1	105443		12/17/2003	1415	
5035	5035 Preservation Low	2	105443		12/17/2003	1415	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1503	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0424	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0409	
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	
8260B	Volatile Organics	1	106164	105443-105634	12/26/2003	1937	1.00000

Lab ID: 223218-19 Client ID: SB36 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
3050B	Acid Digestion: Solids (ICAP)	1	105701		12/29/2003	1135	
3541	Extraction Soxhlet (DRO)	1	105534		12/24/2003	1115	
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
7471A	Mercury (CVAA) Solids	1	106028	106001	12/31/2003	1505	
6010B	Metals Analysis (ICAP Trace)	1	106021	105701	12/31/2003	0430	
6010B	Metals Analysis (ICAP Trace)	1	106131	105701	01/01/2004	0416	
8082	PCB Analysis	1	105996	105538	12/30/2003	0451	1.00000
7470/7471	SW846 Digestion (Hg)	1	106001		12/31/2003	0925	
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	105934	105534	12/29/2003	1634	1.00000

Lab ID: 223218-20 Client ID: SB37 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105971		12/30/2003	2040	
3541	Extraction Soxhlet (DRO)	1	105534		12/24/2003	1115	
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
8082	PCB Analysis	1	105996	105538	12/30/2003	0557	1.00000
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	105934	105534	12/29/2003	1713	1.00000

Lab ID: 223218-21 Client ID: SB38 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105972		12/30/2003	2040	
3541	Extraction Soxhlet (DRO)	1	105534		12/24/2003	1115	
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
8082	PCB Analysis	1	105996	105538	12/30/2003	0630	1.00000
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	105934	105534	12/29/2003	1752	1.00000

Lab ID: 223218-22 Client ID: SB39 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105972		12/30/2003	2040	

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LABORATORY CHRONICLE

Job Number: 223218 Date: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Lab ID: 223218-22 Client ID: SB39 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3541	Extraction Soxhlet (DRO)	1	105534		12/24/2003	1115	
3550B	Extraction Ultrasonic (PCBs)	1	105538		12/25/2003	0900	
8082	PCB Analysis	1	105996	105538	12/30/2003	0840	10.0000
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	105934	105534	12/30/2003	1003	1.00000

Lab ID: 223218-23 Client ID: SB40 Date Recvd: 12/19/2003 Sample Date: 12/17/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	105972		12/30/2003	2040	
3541	Extraction Soxhlet (DRO)	1	105534		12/24/2003	1115	
3550B	Extraction Ultrasonic (PCBs)	1	105553		12/26/2003	0830	
8082	PCB Analysis	1	105996	105553	12/30/2003	1230	10.0000
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	105934	105534	12/30/2003	1120	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Method.....: TPH - Diesel Range Organics (DRO) Test Matrix...: 3541 Solid Prep Batch..: 105534
Method Code...: 8015D Batch(s).....: 105934

Lab ID	DT	Sample ID	Date	2FLUBP	OTERPH
LCS			12/29/2003	94	95
MB			12/29/2003	89	91
223218- 10		SB27	12/29/2003	81	86
223218- 19		SB36	12/29/2003	86	92
223218- 20		SB37	12/29/2003	85	91
223218- 21		SB38	12/29/2003	91	101
223218- 22		SB39	12/30/2003	84	98
223218- 23		SB40	12/30/2003	81	91

Test	Test Description	Limits
2FLUBP	2-Fluorobiphenyl (surr)	48 - 103
OTERPH	o-Terphenyl (surr)	44 - 128

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SURROGATE RECOVERIES REPORT

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Method.....: PCB Analysis
Method Code...: 8082
Test Matrix...: Solid
Batch(s).....: 105996
Prep Batch..: 105538

Lab ID	DT	Sample ID	Date	DCB	TCX
LCS			12/29/2003	85	84
MB			12/29/2003	86	92
223218- 1		SB18	12/29/2003	81	77
223218- 1	MS	SB18	12/29/2003	70	75
223218- 1	MSD	SB18	12/29/2003	66	82
223218- 2		SB19	12/29/2003	75	88
223218- 3		SB20	12/29/2003	70	80
223218- 4		SB21	12/29/2003	70	86
223218- 6		SB23	12/29/2003	68	87
223218- 7		SB24	12/29/2003	76	87
223218- 8		SB25	12/29/2003	64	80
223218- 9		SB26	12/29/2003	72	82
223218- 10		SB27	12/29/2003	74	76
223218- 11		SB28	12/29/2003	65	73
223218- 12		SB29	12/30/2003	71	79
223218- 13		SB30	12/30/2003	77	86
223218- 14		SB31	12/30/2003	79	90
223218- 15		SB32	12/30/2003	72	82
223218- 16		SB33	12/30/2003	72	75
223218- 17		SB34	12/30/2003	61	74
223218- 19		SB36	12/30/2003	72	76
223218- 20		SB37	12/30/2003	81	77
223218- 21		SB38	12/30/2003	69	87
223218- 22		SB39	12/30/2003	87	84

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	24 - 129
TCX	Tetrachloro-m-xylene (surr)	40 - 116

Method.....: PCB Analysis
Method Code...: 8082
Test Matrix...: Solid
Batch(s).....: 105996
Prep Batch..: 105553

Lab ID	DT	Sample ID	Date	DCB	TCX
LCS			12/30/2003	89	79
MB			12/30/2003	89	80
223218- 23		SB40	12/30/2003	110	80

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	24 - 129
TCX	Tetrachloro-m-xylene (surr)	40 - 116

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SURROGATE RECOVERIES REPORT

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Solid
Batch(s).....: 106164

Prep Batch..: 105443

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
EB1			12/26/2003	87	82	86	90
EB3			12/26/2003	71	73	76	83
223218- 3		SB20	12/26/2003	76	93	77	84
223218- 7		SB24	12/26/2003	73	74	76	82
223218- 17		SB34	12/26/2003	63	66	69	73
223218- 18		SB35	12/26/2003	91	77	94	87

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	50 - 145
BRFLBE	4-Bromofluorobenzene (surr)	60 - 140
DBRFLM	Dibromofluoromethane (surr)	60 - 140
TOLD8	Toluene-d8 (surr)	66 - 141

Method.....: Volatile Organics
Method Code...: 8260B

Test Matrix...: Solid
Batch(s).....: 106164

Prep Batch..: 105634

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			12/26/2003	90	87	89	93
MB			12/26/2003	74	70	74	80

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	50 - 145
BRFLBE	4-Bromofluorobenzene (surr)	60 - 140
DBRFLM	Dibromofluoromethane (surr)	60 - 140
TOLD8	Toluene-d8 (surr)	66 - 141

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SURROGATE RECOVERIES REPORT

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Method.....: Explosives by 8330 (HPLC) Test Matrix...: Solid Prep Batch..: 105476
Method Code...: 8330 Batch(s).....: 105995

Lab ID	DT	Sample ID	Date	12DNBZ
LCS			12/29/2003	98
MB			12/29/2003	97
223218- 1		SB18	12/29/2003	97
223218- 2		SB19	12/29/2003	97
223218- 6		SB23	12/29/2003	98
223218- 7		SB24	12/29/2003	97
223218- 8		SB25	12/30/2003	93
223218- 9		SB26	12/30/2003	95
223218- 11		SB28	12/30/2003	97
223218- 12		SB29	12/30/2003	98
223218- 12	MS	SB29	12/30/2003	99
223218- 12	MSD	SB29	12/30/2003	100
223218- 13		SB30	12/30/2003	97
223218- 14		SB31	12/31/2003	94
223218- 15		SB32	12/30/2003	97
223218- 16		SB33	12/30/2003	96
223218- 17		SB34	12/30/2003	93

Test	Test Description	Limits
12DNBZ	1,2-Dinitrobenzene (surr)	69 - 160

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. | PROJECT: GSA - SLOP | ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	003LWLPCBA	105538-002		12/29/2003	1513

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 105996

Analyst...: mgk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016, Solid	ug/Kg	131.703		166.700	2.900 U	79	%	63-106	
Aroclor 1260, Solid	ug/Kg	137.503		167.000	2.500 U	82	%	68-105	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	003LWLPCBA	105553-002		12/30/2003	1158

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 105996

Analyst...: mgk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
Aroclor 1016, Solid	ug/Kg	134.717		166.700	2.900 U	81	%	63-106
Aroclor 1260, Solid	ug/Kg	146.520		167.000	2.500 U	88	%	68-105

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		105538-001		12/29/2003	1440

Test Method.....: 8082 Equipment Code....: INST0708 Analyst...: mgk
Method Description.: PCB Analysis Batch.....: 105996

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016, Solid	ug/Kg	2.900 U							
Aroclor 1221, Solid	ug/Kg	6.700 U							
Aroclor 1232, Solid	ug/Kg	3.000 U							
Aroclor 1242, Solid	ug/Kg	6.300 U							
Aroclor 1248, Solid	ug/Kg	2.300 U							
Aroclor 1254, Solid	ug/Kg	2.700 U							
Aroclor 1260, Solid	ug/Kg	2.500 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		105553-001		12/30/2003	1125

Test Method.....: 8082
Method Description.: PCB Analysis
Equipment Code....: INST0708
Batch.....: 105996
Analyst...: mgk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	
Aroclor 1016, Solid	ug/Kg	2.900	U						
Aroclor 1221, Solid	ug/Kg	6.700	U						
Aroclor 1232, Solid	ug/Kg	3.000	U						
Aroclor 1242, Solid	ug/Kg	6.300	U						
Aroclor 1248, Solid	ug/Kg	2.300	U						
Aroclor 1254, Solid	ug/Kg	2.700	U						
Aroclor 1260, Solid	ug/Kg	2.500	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8082 Equipment Code....: INST0708 Analyst...: mgk
Method Description.: PCB Analysis Batch.....: 105996

MS	Matrix Spike	003LWLPCBA	223218-1		12/29/2003	1619

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016, Solid	ug/Kg	151.500		206.900	3.600 U	73	%	63-106	
Aroclor 1260, Solid	ug/Kg	142.732		207.300	3.103 U	69	%	68-105	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	003LWLPCBA	223218-1		12/29/2003	1652

Test Method.....: 8082
Method Description.: PCB Analysis

Equipment Code....: INST0708
Batch.....: 105996

Analyst...: mgk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
Aroclor 1016, Solid	ug/Kg	155.840	151.500	206.100	3.585 U	76	%	63-106
						4	R	30
Aroclor 1260, Solid	ug/Kg	148.002	142.732	206.500	3.091 U	72	%	68-105
						4	R	30

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	003KWL01EA	105534-002		12/29/2003	1242

Test Method.....: 8015B MDRO Equipment Code....: INST10 Analyst...: mgk
Method Description.: TPH - Diesel Range Organics (DRO) Batch.....: 105934

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Diesel Range Organics (DRO), 3541 Soli	mg/Kg	57.353		66.670	2.600 U	86	%	70-106	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		105534-001		12/29/2003	1203

Test Method.....: 8015B MDRO
Method Description.: TPH - Diesel Range Organics (DRO)

Equipment Code....: INST10
Batch.....: 105934

Analyst...: mgk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
Diesel Range Organics (DRO), 3541 Soli	mg/Kg	2.600 U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	003LWLEXPB	105476-002		12/29/2003	2131

Test Method.....: 8330
Method Description.: Explosives by 8330 (HPLC)

Equipment Code....: INST43
Batch.....: 105995

Analyst...: san

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
HMX, Solid	ug/Kg	1077.500		1000.000	113.000 U	108	%	84-120	
RDX, Solid	ug/Kg	1065.400		1000.000	58.600 U	107	%	81-115	
1,3,5-Trinitrobenzene, Solid	ug/Kg	1016.300		1000.000	17.500 U	102	%	77-114	
1,3-Dinitrobenzene, Solid	ug/Kg	1046.400		1000.000	17.800 U	105	%	85-112	
Nitrobenzene, Solid	ug/Kg	1048.650		1000.000	22.200 U	105	%	86-112	
2,4,6-TNT, Solid	ug/Kg	1000.800		1000.000	33.800 U	100	%	77-118	
Tetryl, Solid	ug/Kg	1815.750		2000.000	43.400 U	91	%	35-132	
2,4-Dinitrotoluene, Solid	ug/Kg	1081.800		1000.000	35.600 U	108	%	81-121	
2,6-Dinitrotoluene, Solid	ug/Kg	2093.950		2000.000	47.500 U	105	%	84-114	
2-Amino-4,6-Dinitrotoluene, Solid	ug/Kg	1949.300		2000.000	36.000 U	97	%	83-113	
4-Amino-2,6-Dinitrotoluene, Solid	ug/Kg	1981.100		2000.000	97.200 U	99	%	80-131	
2-Nitrotoluene, Solid	ug/Kg	2013.200		2000.000	33.200 U	101	%	84-114	
4-Nitrotoluene, Solid	ug/Kg	1949.750		2000.000	46.600 U	97	%	82-112	
3-Nitrotoluene, Solid	ug/Kg	1962.950		2000.000	50.000 U	98	%	84-117	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		105476-001		12/29/2003	2059

Test Method.....: 8330 Equipment Code....: INST43 Analyst...: san
Method Description.: Explosives by 8330 (HPLC) Batch.....: 105995

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	
HMX, Solid	ug/Kg	113.000	U							
RDX, Solid	ug/Kg	58.600	U							
1,3,5-Trinitrobenzene, Solid	ug/Kg	17.500	U							
1,3-Dinitrobenzene, Solid	ug/Kg	17.800	U							
Nitrobenzene, Solid	ug/Kg	22.200	U							
2,4,6-TNT, Solid	ug/Kg	33.800	U							
Tetryl, Solid	ug/Kg	43.400	U							
2,4-Dinitrotoluene, Solid	ug/Kg	35.600	U							
2,6-Dinitrotoluene, Solid	ug/Kg	47.500	U							
2-Amino-4,6-Dinitrotoluene, Solid	ug/Kg	36.000	U							
4-Amino-2,6-Dinitrotoluene, Solid	ug/Kg	97.200	U							
2-Nitrotoluene, Solid	ug/Kg	33.200	U							
4-Nitrotoluene, Solid	ug/Kg	46.600	U							
3-Nitrotoluene, Solid	ug/Kg	50.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8330 Equipment Code....: INST43 Analyst...: san
Method Description.: Explosives by 8330 (HPLC) Batch.....: 105995

MS	Matrix Spike	003LWLEXPB	223218-12		12/30/2003	0257

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
HMX, Solid	ug/Kg	1023.600		1000.000	113.000 U	102	%	84-120	
RDX, Solid	ug/Kg	964.550		1000.000	58.600 U	96	%	81-115	
1,3,5-Trinitrobenzene, Solid	ug/Kg	859.900		1000.000	17.500 U	86	%	77-114	
1,3-Dinitrobenzene, Solid	ug/Kg	1050.650		1000.000	17.800 U	105	%	85-112	
Nitrobenzene, Solid	ug/Kg	1023.900		1000.000	22.200 U	102	%	86-112	
2,4,6-TNT, Solid	ug/Kg	981.550		1000.000	33.800 U	98	%	77-118	
Tetryl, Solid	ug/Kg	600.300		2000.000	43.400 U	30	%	35-132	*
2,4-Dinitrotoluene, Solid	ug/Kg	1080.650		1000.000	35.600 U	108	%	81-121	
2,6-Dinitrotoluene, Solid	ug/Kg	2102.600		2000.000	47.500 U	105	%	84-114	
2-Amino-4,6-Dinitrotoluene, Solid	ug/Kg	1986.150		2000.000	36.000 U	99	%	83-113	
4-Amino-2,6-Dinitrotoluene, Solid	ug/Kg	2373.850		2000.000	97.200 U	119	%	80-131	
2-Nitrotoluene, Solid	ug/Kg	1911.600		2000.000	33.200 U	96	%	84-114	
4-Nitrotoluene, Solid	ug/Kg	1863.000		2000.000	46.600 U	93	%	82-112	
3-Nitrotoluene, Solid	ug/Kg	1902.100		2000.000	50.000 U	95	%	84-117	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8330 Equipment Code....: INST43 Analyst...: san
Method Description.: Explosives by 8330 (HPLC) Batch.....: 105995

MSD	Matrix Spike Duplicate	003LWLEXPB	223218-12		12/30/2003	0329

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
HMX, Solid	ug/Kg	1052.745	1023.600	980.400	110.785 U	107.5	% R	84-120 30	
RDX, Solid	ug/Kg	992.402	964.550	980.400	57.451 U	101.5	% R	81-115 30	
1,3,5-Trinitrobenzene, Solid	ug/Kg	825.392	859.900	980.400	17.157 U	84.2	% R	77-114 30	
1,3-Dinitrobenzene, Solid	ug/Kg	1055.000	1050.650	980.400	17.451 U	108.3	% R	85-112 30	
Nitrobenzene, Solid	ug/Kg	1026.373	1023.900	980.400	21.765 U	105.3	% R	86-112 30	
2,4,6-TNT, Solid	ug/Kg	993.971	981.550	980.400	33.138 U	101.3	% R	77-118 30	
Tetryl, Solid	ug/Kg	578.676	600.300	1961.000	42.549 U	30.0	% R	35-132 30	
2,4-Dinitrotoluene, Solid	ug/Kg	1065.343	1080.650	980.400	34.902 U	109.1	% R	81-121 30	
2,6-Dinitrotoluene, Solid	ug/Kg	2076.177	2102.600	1961.000	46.569 U	106.1	% R	84-114 30	
2-Amino-4,6-Dinitrotoluene, Solid	ug/Kg	1992.892	1986.150	1961.000	35.294 U	102.3	% R	83-113 30	
4-Amino-2,6-Dinitrotoluene, Solid	ug/Kg	2342.794	2373.850	1961.000	95.295 U	119.0	% R	80-131 30	
2-Nitrotoluene, Solid	ug/Kg	1948.480	1911.600	1961.000	32.549 U	99.3	% R	84-114 30	
4-Nitrotoluene, Solid	ug/Kg	1883.088	1863.000	1961.000	45.687 U	96.3	% R	82-112 30	
3-Nitrotoluene, Solid	ug/Kg	1929.265	1902.100	1961.000	49.020 U	98.3	% R	84-117 30	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	223218	105443-008		12/26/2003	1748

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: lm
Method Description.: Volatile Organics Batch.....: 106164

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	0.730	U							
Chloromethane, Solid	ug/Kg	1.100	U							
Vinyl chloride, Solid	ug/Kg	1.100	U							
Bromomethane, Solid	ug/Kg	1.300	U							
Chloroethane, Solid	ug/Kg	1.000	U							
Trichlorofluoromethane, Solid	ug/Kg	1.400	U							
1,1-Dichloroethene, Solid	ug/Kg	1.300	U							
Carbon disulfide, Solid	ug/Kg	1.200	U							
Acetone, Solid	ug/Kg	4.600	U							
Methylene chloride, Solid	ug/Kg	2.900	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	1.100	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	1.000	U							
1,1-Dichloroethane, Solid	ug/Kg	1.000	U							
2,2-Dichloropropane, Solid	ug/Kg	0.920	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	1.100	U							
2-Butanone (MEK), Solid	ug/Kg	3.900	U							
Bromochloromethane, Solid	ug/Kg	1.100	U							
Chloroform, Solid	ug/Kg	1.100	U							
1,1,1-Trichloroethane, Solid	ug/Kg	1.100	U							
1,1-Dichloropropene, Solid	ug/Kg	1.200	U							
Carbon tetrachloride, Solid	ug/Kg	1.100	U							
Benzene, Solid	ug/Kg	1.100	U							
1,2-Dichloroethane, Solid	ug/Kg	0.940	U							
Trichloroethene, Solid	ug/Kg	1.100	U							
1,2-Dichloropropane, Solid	ug/Kg	1.000	U							
Dibromomethane, Solid	ug/Kg	1.100	U							
Bromodichloromethane, Solid	ug/Kg	0.960	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	0.930	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	1.000	U							
Toluene, Solid	ug/Kg	1.100	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	0.790	U							
1,1,2-Trichloroethane, Solid	ug/Kg	1.100	U							
Tetrachloroethene, Solid	ug/Kg	1.200	U							
1,3-Dichloropropane, Solid	ug/Kg	0.940	U							
2-Hexanone, Solid	ug/Kg	1.100	U							
Dibromochloromethane, Solid	ug/Kg	0.790	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	0.820	U							
Chlorobenzene, Solid	ug/Kg	1.100	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	1.100	U							
Ethylbenzene, Solid	ug/Kg	1.100	U							
m&p-Xylenes, Solid	ug/Kg	2.300	U							
o-Xylene, Solid	ug/Kg	1.100	U							
Styrene, Solid	ug/Kg	1.100	U							
Bromoform, Solid	ug/Kg	0.750	U							
Isopropylbenzene, Solid	ug/Kg	1.100	U							
Bromobenzene, Solid	ug/Kg	1.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	0.960	U							
1,2,3-Trichloropropane, Solid	ug/Kg	1.100	U							
n-Propylbenzene, Solid	ug/Kg	1.300	U							
2-Chlorotoluene, Solid	ug/Kg	1.300	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB1	Extraction Blank 1	223218	105443-008		12/26/2003	1748

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
1,3,5-Trimethylbenzene, Solid	ug/Kg	1.300	U					
4-Chlorotoluene, Solid	ug/Kg	1.300	U					
tert-Butylbenzene, Solid	ug/Kg	1.200	U					
1,2,4-Trimethylbenzene, Solid	ug/Kg	1.400	U					
sec-Butylbenzene, Solid	ug/Kg	1.200	U					
p-Isopropyltoluene, Solid	ug/Kg	1.300	U					
n-Butylbenzene, Solid	ug/Kg	1.300	U					
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	1.200	U					
1,2,3-Trichlorobenzene, Solid	ug/Kg	1.500	U					

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	223218	105443-009		12/26/2003	1815

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: lm
Method Description.: Volatile Organics Batch.....: 106164

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	0.730	U							
Chloromethane, Solid	ug/Kg	1.100	U							
Vinyl chloride, Solid	ug/Kg	1.100	U							
Bromomethane, Solid	ug/Kg	1.300	U							
Chloroethane, Solid	ug/Kg	1.000	U							
Trichlorofluoromethane, Solid	ug/Kg	1.400	U							
1,1-Dichloroethene, Solid	ug/Kg	1.300	U							
Carbon disulfide, Solid	ug/Kg	1.200	U							
Acetone, Solid	ug/Kg	4.600	U							
Methylene chloride, Solid	ug/Kg	2.900	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	1.100	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	1.000	U							
1,1-Dichloroethane, Solid	ug/Kg	1.000	U							
2,2-Dichloropropane, Solid	ug/Kg	0.920	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	1.100	U							
2-Butanone (MEK), Solid	ug/Kg	3.900	U							
Bromochloromethane, Solid	ug/Kg	1.100	U							
Chloroform, Solid	ug/Kg	1.100	U							
1,1,1-Trichloroethane, Solid	ug/Kg	1.100	U							
1,1-Dichloropropene, Solid	ug/Kg	1.200	U							
Carbon tetrachloride, Solid	ug/Kg	1.100	U							
Benzene, Solid	ug/Kg	1.100	U							
1,2-Dichloroethane, Solid	ug/Kg	0.940	U							
Trichloroethene, Solid	ug/Kg	1.100	U							
1,2-Dichloropropane, Solid	ug/Kg	1.000	U							
Dibromomethane, Solid	ug/Kg	1.100	U							
Bromodichloromethane, Solid	ug/Kg	0.960	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	0.930	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	1.000	U							
Toluene, Solid	ug/Kg	1.100	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	0.790	U							
1,1,2-Trichloroethane, Solid	ug/Kg	1.100	U							
Tetrachloroethene, Solid	ug/Kg	1.200	U							
1,3-Dichloropropane, Solid	ug/Kg	0.940	U							
2-Hexanone, Solid	ug/Kg	1.100	U							
Dibromochloromethane, Solid	ug/Kg	0.790	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	0.820	U							
Chlorobenzene, Solid	ug/Kg	1.100	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	1.100	U							
Ethylbenzene, Solid	ug/Kg	1.100	U							
m&p-Xylenes, Solid	ug/Kg	2.300	U							
o-Xylene, Solid	ug/Kg	1.100	U							
Styrene, Solid	ug/Kg	1.100	U							
Bromoform, Solid	ug/Kg	0.750	U							
Isopropylbenzene, Solid	ug/Kg	1.100	U							
Bromobenzene, Solid	ug/Kg	1.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	0.960	U							
1,2,3-Trichloropropane, Solid	ug/Kg	1.100	U							
n-Propylbenzene, Solid	ug/Kg	1.300	U							
2-Chlorotoluene, Solid	ug/Kg	1.300	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
EB3	DI Blank	223218	105443-009		12/26/2003	1815

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
1,3,5-Trimethylbenzene, Solid	ug/Kg	1.300 U						
4-Chlorotoluene, Solid	ug/Kg	1.300 U						
tert-Butylbenzene, Solid	ug/Kg	1.200 U						
1,2,4-Trimethylbenzene, Solid	ug/Kg	1.400 U						
sec-Butylbenzene, Solid	ug/Kg	1.200 U						
p-Isopropyltoluene, Solid	ug/Kg	1.300 U						
n-Butylbenzene, Solid	ug/Kg	1.300 U						
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	1.200 U						
1,2,3-Trichlorobenzene, Solid	ug/Kg	1.500 U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V03L26DSD	105634-015		12/26/2003	1358

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: lm
Method Description.: Volatile Organics Batch.....: 106164

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	48.515		50.000	0.730 U	97	%	43-121	
Chloromethane, Solid	ug/Kg	40.252		50.000	1.100 U	81	%	45-141	
Vinyl chloride, Solid	ug/Kg	45.727		50.000	1.100 U	91	%	58-140	
Bromomethane, Solid	ug/Kg	43.241		50.000	1.300 U	86	%	48-127	
Chloroethane, Solid	ug/Kg	47.217		50.000	1.000 U	94	%	59-163	
Trichlorofluoromethane, Solid	ug/Kg	51.490		50.000	1.400 U	103	%	57-135	
1,1-Dichloroethene, Solid	ug/Kg	51.175		50.000	1.300 U	102	%	51-132	
Carbon disulfide, Solid	ug/Kg	47.309		50.000	1.200 U	95	%	23-138	
Acetone, Solid	ug/Kg	36.445		50.000	4.600 U	73	%	46-167	
Methylene chloride, Solid	ug/Kg	50.808		50.000	2.900 U	102	%	58-143	
trans-1,2-Dichloroethene, Solid	ug/Kg	52.680		50.000	1.100 U	105	%	58-139	
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	57.432		50.000	1.000 U	115	%	61-132	
1,1-Dichloroethane, Solid	ug/Kg	51.653		50.000	1.000 U	103	%	63-133	
2,2-Dichloropropane, Solid	ug/Kg	53.717		50.000	0.920 U	107	%	67-134	
cis-1,2-Dichloroethene, Solid	ug/Kg	52.864		50.000	1.100 U	106	%	68-148	
2-Butanone (MEK), Solid	ug/Kg	36.353		50.000	3.900 U	73	%	50-150	
Bromochloromethane, Solid	ug/Kg	48.363		50.000	1.100 U	97	%	68-129	
Chloroform, Solid	ug/Kg	54.076		50.000	1.100 U	108	%	73-135	
1,1,1-Trichloroethane, Solid	ug/Kg	55.337		50.000	1.100 U	111	%	63-133	
1,1-Dichloropropene, Solid	ug/Kg	52.921		50.000	1.200 U	106	%	78-148	
Carbon tetrachloride, Solid	ug/Kg	62.730		50.000	1.100 U	125	%	67-127	
Benzene, Solid	ug/Kg	54.889		50.000	1.100 U	110	%	72-128	
1,2-Dichloroethane, Solid	ug/Kg	54.772		50.000	0.940 U	110	%	69-125	
Trichloroethene, Solid	ug/Kg	58.615		50.000	1.100 U	117	%	75-129	
1,2-Dichloropropane, Solid	ug/Kg	51.547		50.000	1.000 U	103	%	76-132	
Dibromomethane, Solid	ug/Kg	47.811		50.000	1.100 U	96	%	70-130	
Bromodichloromethane, Solid	ug/Kg	60.150		50.000	0.960 U	120	%	74-128	
cis-1,3-Dichloropropene, Solid	ug/Kg	52.767		52.000	0.930 U	101	%	80-124	
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	37.657		50.000	1.000 U	75	%	68-134	
Toluene, Solid	ug/Kg	53.048		50.000	1.100 U	106	%	75-125	
trans-1,3-Dichloropropene, Solid	ug/Kg	48.634		48.000	0.790 U	101	%	75-134	
1,1,2-Trichloroethane, Solid	ug/Kg	42.708		50.000	1.100 U	85	%	71-143	
Tetrachloroethene, Solid	ug/Kg	64.066		50.000	1.200 U	128	%	75-129	
1,3-Dichloropropane, Solid	ug/Kg	50.273		50.000	0.940 U	101	%	78-127	
2-Hexanone, Solid	ug/Kg	38.221		50.000	1.100 U	76	%	69-140	
Dibromochloromethane, Solid	ug/Kg	56.448		50.000	0.790 U	113	%	77-127	
1,2-Dibromoethane (EDB), Solid	ug/Kg	45.921		50.000	0.820 U	92	%	72-133	
Chlorobenzene, Solid	ug/Kg	54.040		50.000	1.100 U	108	%	83-125	
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	58.532		50.000	1.100 U	117	%	83-123	
Ethylbenzene, Solid	ug/Kg	55.300		50.000	1.100 U	111	%	79-123	
m&p-Xylenes, Solid	ug/Kg	112.198		100.000	2.300 U	112	%	79-123	
o-Xylene, Solid	ug/Kg	54.458		50.000	1.100 U	109	%	80-123	
Styrene, Solid	ug/Kg	53.938		50.000	1.100 U	108	%	85-126	
Bromoform, Solid	ug/Kg	56.403		50.000	0.750 U	113	%	78-132	
Isopropylbenzene, Solid	ug/Kg	52.703		50.000	1.100 U	105	%	77-118	
Bromobenzene, Solid	ug/Kg	55.711		50.000	1.000 U	111	%	81-123	
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	43.050		50.000	0.960 U	86	%	68-139	
1,2,3-Trichloropropane, Solid	ug/Kg	44.088		50.000	1.100 U	88	%	71-129	
n-Propylbenzene, Solid	ug/Kg	53.817		50.000	1.300 U	108	%	77-124	
2-Chlorotoluene, Solid	ug/Kg	53.795		50.000	1.300 U	108	%	63-137	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V03L26DSD	105634-015		12/26/2003	1358

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
1,3,5-Trimethylbenzene, Solid	ug/Kg	58.246		50.000	1.300 U	116	%	72-128
4-Chlorotoluene, Solid	ug/Kg	53.465		50.000	1.300 U	107	%	76-123
tert-Butylbenzene, Solid	ug/Kg	56.444		50.000	1.200 U	113	%	79-124
1,2,4-Trimethylbenzene, Solid	ug/Kg	59.905		50.000	1.400 U	120	%	74-133
sec-Butylbenzene, Solid	ug/Kg	56.403		50.000	1.200 U	113	%	77-128
p-Isopropyltoluene, Solid	ug/Kg	56.554		50.000	1.300 U	113	%	74-126
n-Butylbenzene, Solid	ug/Kg	54.622		50.000	1.300 U	109	%	65-138
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	39.292		50.000	1.200 U	79	%	59-124
1,2,3-Trichlorobenzene, Solid	ug/Kg	57.225		50.000	1.500 U	114	%	75-125

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		105634-014		12/26/2003	1310

Test Method.....: 8260B Equipment Code....: GCL6 Analyst...: lm
Method Description.: Volatile Organics Batch.....: 106164

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Dichlorodifluoromethane, Solid	ug/Kg	0.730	U							
Chloromethane, Solid	ug/Kg	1.100	U							
Vinyl chloride, Solid	ug/Kg	1.100	U							
Bromomethane, Solid	ug/Kg	1.300	U							
Chloroethane, Solid	ug/Kg	1.000	U							
Trichlorofluoromethane, Solid	ug/Kg	1.400	U							
1,1-Dichloroethene, Solid	ug/Kg	1.300	U							
Carbon disulfide, Solid	ug/Kg	1.200	U							
Acetone, Solid	ug/Kg	4.600	U							
Methylene chloride, Solid	ug/Kg	2.900	U							
trans-1,2-Dichloroethene, Solid	ug/Kg	1.100	U							
Methyl-tert-butyl-ether (MTBE), Solid	ug/Kg	1.000	U							
1,1-Dichloroethane, Solid	ug/Kg	1.000	U							
2,2-Dichloropropane, Solid	ug/Kg	0.920	U							
cis-1,2-Dichloroethene, Solid	ug/Kg	1.100	U							
2-Butanone (MEK), Solid	ug/Kg	3.900	U							
Bromochloromethane, Solid	ug/Kg	1.100	U							
Chloroform, Solid	ug/Kg	1.100	U							
1,1,1-Trichloroethane, Solid	ug/Kg	1.100	U							
1,1-Dichloropropene, Solid	ug/Kg	1.200	U							
Carbon tetrachloride, Solid	ug/Kg	1.100	U							
Benzene, Solid	ug/Kg	1.100	U							
1,2-Dichloroethane, Solid	ug/Kg	0.940	U							
Trichloroethene, Solid	ug/Kg	1.100	U							
1,2-Dichloropropane, Solid	ug/Kg	1.000	U							
Dibromomethane, Solid	ug/Kg	1.100	U							
Bromodichloromethane, Solid	ug/Kg	0.960	U							
cis-1,3-Dichloropropene, Solid	ug/Kg	0.930	U							
4-Methyl-2-pentanone (MIBK), Solid	ug/Kg	1.000	U							
Toluene, Solid	ug/Kg	1.100	U							
trans-1,3-Dichloropropene, Solid	ug/Kg	0.790	U							
1,1,2-Trichloroethane, Solid	ug/Kg	1.100	U							
Tetrachloroethene, Solid	ug/Kg	1.200	U							
1,3-Dichloropropane, Solid	ug/Kg	0.940	U							
2-Hexanone, Solid	ug/Kg	1.100	U							
Dibromochloromethane, Solid	ug/Kg	0.790	U							
1,2-Dibromoethane (EDB), Solid	ug/Kg	0.820	U							
Chlorobenzene, Solid	ug/Kg	1.100	U							
1,1,1,2-Tetrachloroethane, Solid	ug/Kg	1.100	U							
Ethylbenzene, Solid	ug/Kg	1.100	U							
m&p-Xylenes, Solid	ug/Kg	2.300	U							
o-Xylene, Solid	ug/Kg	1.100	U							
Styrene, Solid	ug/Kg	1.100	U							
Bromoform, Solid	ug/Kg	0.750	U							
Isopropylbenzene, Solid	ug/Kg	1.100	U							
Bromobenzene, Solid	ug/Kg	1.000	U							
1,1,2,2-Tetrachloroethane, Solid	ug/Kg	0.960	U							
1,2,3-Trichloropropane, Solid	ug/Kg	1.100	U							
n-Propylbenzene, Solid	ug/Kg	1.300	U							
2-Chlorotoluene, Solid	ug/Kg	1.300	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		105634-014		12/26/2003	1310

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits
1,3,5-Trimethylbenzene, Solid	ug/Kg	1.300	U						
4-Chlorotoluene, Solid	ug/Kg	1.300	U						
tert-Butylbenzene, Solid	ug/Kg	1.200	U						
1,2,4-Trimethylbenzene, Solid	ug/Kg	1.400	U						
sec-Butylbenzene, Solid	ug/Kg	1.200	U						
p-Isopropyltoluene, Solid	ug/Kg	1.300	U						
n-Butylbenzene, Solid	ug/Kg	1.300	U						
1,2-Dibromo-3-chloropropane, Solid	ug/Kg	1.200	U						
1,2,3-Trichlorobenzene, Solid	ug/Kg	1.500	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M03LSPK002	105701-002		12/31/2003	0109

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP4
Batch.....: 106021
Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	186.18		200.00	2.40	U	93	%	80-120	
Antimony, Solid	mg/Kg	44.27		50.00	0.90	U	89	%	80-120	
Arsenic, Solid	mg/Kg	8.99		10.00	0.51	U	90	%	80-120	
Barium, Solid	mg/Kg	186.38		200.00	0.16	U	93	%	80-120	
Beryllium, Solid	mg/Kg	4.57		5.00	0.04	U	91	%	80-120	
Cadmium, Solid	mg/Kg	4.53		5.00	0.08	U	91	%	80-120	
Calcium, Solid	mg/Kg	936.62		1000.00	7.12	B	94	%	80-120	
Chromium, Solid	mg/Kg	18.72		20.00	0.22	U	94	%	80-120	
Cobalt, Solid	mg/Kg	45.90		50.00	0.14	U	92	%	80-120	
Copper, Solid	mg/Kg	23.70		25.00	0.90	U	95	%	80-120	
Iron, Solid	mg/Kg	95.14		100.00	3.52	B	95	%	80-120	
Lead, Solid	mg/Kg	9.54		10.00	0.43	U	95	%	80-120	
Magnesium, Solid	mg/Kg	921.02		1000.00	1.70	U	92	%	80-120	
Manganese, Solid	mg/Kg	47.75		50.00	0.13	U	96	%	80-120	
Nickel, Solid	mg/Kg	45.97		50.00	0.25	U	92	%	80-120	
Selenium, Solid	mg/Kg	8.11		10.00	0.40	U	81	%	80-120	
Silver, Solid	mg/Kg	4.53		5.00	0.31	U	91	%	80-120	
Sodium, Solid	mg/Kg	886.97		1000.00	86.70	U	89	%	80-120	
Thallium, Solid	mg/Kg	10.19		10.00	0.66	U	102	%	80-120	
Zinc, Solid	mg/Kg	45.43		50.00	0.41	B	91	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	105701	105701-001		12/31/2003	0103

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 106021

Analyst...: tds

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits
Aluminum, Solid	mg/Kg	2.40	U						
Antimony, Solid	mg/Kg	0.90	U						
Arsenic, Solid	mg/Kg	0.51	U						
Barium, Solid	mg/Kg	0.16	U						
Beryllium, Solid	mg/Kg	0.04	U						
Cadmium, Solid	mg/Kg	0.08	U						
Calcium, Solid	mg/Kg	7.12	B						
Chromium, Solid	mg/Kg	0.22	U						
Cobalt, Solid	mg/Kg	0.14	U						
Copper, Solid	mg/Kg	0.90	U						
Iron, Solid	mg/Kg	3.52	B						
Lead, Solid	mg/Kg	0.43	U						
Magnesium, Solid	mg/Kg	1.70	U						
Manganese, Solid	mg/Kg	0.13	U						
Nickel, Solid	mg/Kg	0.25	U						
Selenium, Solid	mg/Kg	0.40	U						
Silver, Solid	mg/Kg	0.31	U						
Sodium, Solid	mg/Kg	86.70	U						
Thallium, Solid	mg/Kg	0.66	U						
Zinc, Solid	mg/Kg	0.41	B						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 — Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. — PROJECT: GSA - SLOP — ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		223218-1		12/31/2003	0127

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)
Equipment Code....: ICP4
Batch.....: 106021
Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	14057.98			14089.35	0.2	R	20.0	
Antimony, Solid	mg/Kg	1.06	U		1.06	U 0.32	A	2.36	
Arsenic, Solid	mg/Kg	7.15			5.49	1.67	A	1.18	
Barium, Solid	mg/Kg	122.30			104.77	15.4	R	20.0	
Beryllium, Solid	mg/Kg	1.01			0.86	0.15	A	0.47	
Cadmium, Solid	mg/Kg	0.09	U		0.09	U 0	A	0.24	
Calcium, Solid	mg/Kg	1846.98			1835.17	0.6	R	20.0	
Chromium, Solid	mg/Kg	18.89			20.81	9.7	R	20.0	
Cobalt, Solid	mg/Kg	12.65			5.13	84.6	R	20.0	*
Copper, Solid	mg/Kg	14.77			11.93	21.3	R	20.0	*
Iron, Solid	mg/Kg	20024.68			17313.38	14.5	R	20.0	
Lead, Solid	mg/Kg	11.15			7.33	41.4	R	20.0	*
Magnesium, Solid	mg/Kg	2682.62			2486.50	7.6	R	20.0	
Manganese, Solid	mg/Kg	617.67			255.86	82.8	R	20.0	*
Nickel, Solid	mg/Kg	16.38			13.85	16.8	R	20.0	
Selenium, Solid	mg/Kg	0.62	B		0.47	U 0.60	A	1.18	
Silver, Solid	mg/Kg	0.37	U		0.37	U 0	A	0.59	
Sodium, Solid	mg/Kg	209.15			221.95	12.80	A	117.92	
Thallium, Solid	mg/Kg	0.78	U		0.78	U 21.50	A	1.18	
Zinc, Solid	mg/Kg	38.08			34.39	10.2	R	20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M03LSPK002	223218-1		12/31/2003	0134

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 106021

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	
Aluminum, Solid	mg/Kg	21826.27		241.80	14089.35		3200	%	75-125	
Antimony, Solid	mg/Kg	19.69		60.44	1.09	U	33	%	75-125	N
Arsenic, Solid	mg/Kg	18.84		12.09	5.49		110	%	75-125	
Barium, Solid	mg/Kg	361.83		241.80	104.77		106	%	75-125	
Beryllium, Solid	mg/Kg	6.46		6.04	0.86		93	%	75-125	
Cadmium, Solid	mg/Kg	4.53		6.04	0.10	U	75	%	75-125	
Calcium, Solid	mg/Kg	2944.89		1209.00	1835.17		92	%	75-125	
Chromium, Solid	mg/Kg	45.62		24.18	20.81		103	%	75-125	
Cobalt, Solid	mg/Kg	60.67		60.44	5.13		92	%	75-125	
Copper, Solid	mg/Kg	44.14		30.22	11.93		107	%	75-125	
Iron, Solid	mg/Kg	23149.64		120.90	17313.38		4828	%	75-125	4
Lead, Solid	mg/Kg	21.53		12.09	7.33		117	%	75-125	
Magnesium, Solid	mg/Kg	4535.76		1209.00	2486.50		170	%	75-125	
Manganese, Solid	mg/Kg	613.26		60.44	255.86		591	%	75-125	
Nickel, Solid	mg/Kg	69.51		60.44	13.85		92	%	75-125	
Selenium, Solid	mg/Kg	9.01		12.09	0.48	U	75	%	75-125	
Silver, Solid	mg/Kg	5.07		6.04	0.37	U	84	%	75-125	
Sodium, Solid	mg/Kg	1321.83		1209.00	221.95		91	%	75-125	
Thallium, Solid	mg/Kg	10.81		12.09	0.80	U	89	%	75-125	
Zinc, Solid	mg/Kg	97.18		60.44	34.39		104	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	M03LSPK002	223218-1		12/31/2003	0140

Test Method.....: 6010B Equipment Code....: ICP4 Analyst...: tds
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 106021

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Aluminum, Solid	mg/Kg	18840.50	21826.27	235.60	14089.35		2016	%	75-125	4
							45.4	R	20	*
Antimony, Solid	mg/Kg	22.91	19.69	58.91	1.06	U	39	%	75-125	N
							16.7	R	20	
Arsenic, Solid	mg/Kg	16.03	18.84	11.78	5.49		89	%	75-125	
							21.1	R	20	*
Barium, Solid	mg/Kg	322.91	361.83	235.60	104.77		93	%	75-125	
							13.1	R	20	
Beryllium, Solid	mg/Kg	6.12	6.46	5.89	0.86		89	%	75-125	
							4.4	R	20	
Cadmium, Solid	mg/Kg	4.41	4.53	5.89	0.09	U	75	%	75-125	
							0.0	R	20	
Calcium, Solid	mg/Kg	2898.27	2944.89	1178.00	1835.17		90	%	75-125	
							2.2	R	20	
Chromium, Solid	mg/Kg	46.71	45.62	23.56	20.81		110	%	75-125	
							6.6	R	20	
Cobalt, Solid	mg/Kg	54.83	60.67	58.91	5.13		84	%	75-125	
							9.1	R	20	
Copper, Solid	mg/Kg	39.00	44.14	29.45	11.93		92	%	75-125	
							15.1	R	20	
Iron, Solid	mg/Kg	19985.89	23149.64	117.80	17313.38		2268	%	75-125	4
							72.2	R	20	*
Lead, Solid	mg/Kg	19.15	21.53	11.78	7.33		100	%	75-125	
							15.7	R	20	
Magnesium, Solid	mg/Kg	3858.29	4535.76	1178.00	2486.50		116	%	75-125	
							37.8	R	20	*
Manganese, Solid	mg/Kg	397.53	613.26	58.91	255.86		240	%	75-125	4
							84.5	R	20	*
Nickel, Solid	mg/Kg	64.78	69.51	58.91	13.85		86	%	75-125	
							6.7	R	20	
Selenium, Solid	mg/Kg	9.34	9.01	11.78	0.47	U	79	%	75-125	
							5.2	R	20	
Silver, Solid	mg/Kg	4.86	5.07	5.89	0.37	U	83	%	75-125	
							1.2	R	20	
Sodium, Solid	mg/Kg	1254.17	1321.83	1178.00	221.95		88	%	75-125	
							3.4	R	20	
Thallium, Solid	mg/Kg	10.77	10.81	11.78	0.78	U	91	%	75-125	
							2.2	R	20	
Zinc, Solid	mg/Kg	85.68	97.18	58.91	34.39		87	%	75-125	
							17.8	R	20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		223218-1		12/31/2003	0121

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP4
Batch.....: 106021

Analyst...: tds

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	
Aluminum, Solid	mg/Kg	2971.47			14089.35	5.5	D	10.0	
Antimony, Solid	mg/Kg	1.08	U		1.08	U			
Arsenic, Solid	mg/Kg	1.03	B		5.49				
Barium, Solid	mg/Kg	22.36			104.77	6.7	D	10.0	
Beryllium, Solid	mg/Kg	0.19	B		0.86				
Cadmium, Solid	mg/Kg	0.10	U		0.10	U			
Calcium, Solid	mg/Kg	396.11			1835.17	7.9	D	10.0	
Chromium, Solid	mg/Kg	4.50			20.81	8.1	D	10.0	
Cobalt, Solid	mg/Kg	1.13			5.13				
Copper, Solid	mg/Kg	2.49			11.93				
Iron, Solid	mg/Kg	3767.19			17313.38	8.8	D	10.0	
Lead, Solid	mg/Kg	1.42			7.33				
Magnesium, Solid	mg/Kg	539.33			2486.50	8.5	D	10.0	
Manganese, Solid	mg/Kg	55.52			255.86	8.5	D	10.0	
Nickel, Solid	mg/Kg	3.04			13.85				
Selenium, Solid	mg/Kg	0.48	U		0.48	U			
Silver, Solid	mg/Kg	0.37	U		0.37	U			
Sodium, Solid	mg/Kg	104.01	U		221.95				
Thallium, Solid	mg/Kg	0.79	U		0.79	U			
Zinc, Solid	mg/Kg	7.78			34.39	13.2	D	10.0	E

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 106131

Analyst...: lmr

LCS	Laboratory Control Sample	M03LSPK002	105701-002		01/01/2004	0026

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Potassium, Solid	mg/Kg	816.41		1000.00	13.80	U	82	%	80-120	
Vanadium, Solid	mg/Kg	45.02		50.00	0.21	U	90	%	80-120	

LCS	Laboratory Control Sample	M03LSPK002	105703-002		01/01/2004	0519

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Cadmium, Solid	mg/Kg	4.52		5.00	0.08	U	90	%	80-120	
Potassium, Solid	mg/Kg	791.60		1000.00	13.80	U	79	%	80-120	*
Vanadium, Solid	mg/Kg	45.62		50.00	0.21	U	91	%	80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	105701	105701-001		01/01/2004	0019

Test Method.....: 6010B Equipment Code....: ICP3 Analyst...: lmr
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 106131

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	
Potassium, Solid	mg/Kg	13.80	U							
Vanadium, Solid	mg/Kg	0.21	U							

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	105703	105703-001		01/01/2004	0512

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Cadmium, Solid	mg/Kg	0.08	U							
Potassium, Solid	mg/Kg	13.80	U							
Vanadium, Solid	mg/Kg	0.21	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Method Duplicate		223218-1		01/01/2004	0046

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 106131

Analyst...: lmr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Potassium, Solid	mg/Kg	943.57			801.76	16.3	R	20.0	
Vanadium, Solid	mg/Kg	37.85			32.18	16.2	R	20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M03LSPK002	223218-1		01/01/2004	0053

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 106131

Analyst...: lmr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
Potassium, Solid	mg/Kg	2900.18		1209.00	801.76	174	%	75-125
Vanadium, Solid	mg/Kg	100.41		60.44	32.18	113	%	75-125

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 6010B Equipment Code....: ICP3 Analyst...: lmr
Method Description.: Metals Analysis (ICAP Trace) Batch.....: 106131

MSD	Matrix Spike Duplicate	M03LSPK002	223218-1		01/01/2004	0100

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Potassium, Solid	mg/Kg	2314.47	2900.18	1178.00	801.76	128	%	75-125	N
						30.5	R	20	*
Vanadium, Solid	mg/Kg	93.37	100.41	58.91	32.18	104	%	75-125	
						8.3	R	20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218

Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
SD	Serial Dilution		223218-1		01/01/2004	0040

Test Method.....: 6010B
Method Description.: Metals Analysis (ICAP Trace)

Equipment Code....: ICP3
Batch.....: 106131

Analyst...: lmr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
Potassium, Solid	mg/Kg	163.57			801.76			
Vanadium, Solid	mg/Kg	6.77			32.18	5.2	D	10.0

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 223218 — Report Date.: 01/28/2004

CUSTOMER: SCS Engineers, Inc. — PROJECT: GSA - SLOP — ATTN: David Brewer

Test Method.....: Method — Batch.....: 105971 — Analyst...: clb
Method Description.: % Solids Determination — Equipment Code....: — Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	105971-001		%	0.1000 U								12/30/2003	2040
MD	223218-1		%	79.60000			80.00000	0.5		R	5.0	12/30/2003	2040

Test Method.....: Method — Batch.....: 105972 — Analyst...: clb
Method Description.: % Solids Determination — Equipment Code....: — Test Code.: %SOLID
Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	105972-001		%	0.1000 U								12/30/2003	2040

Test Method.....: 9045C — Batch.....: 106149 — Analyst...: nrp
Method Description.: pH (Soil) — Equipment Code....: — Test Code.: CORSOL
Parameter.....: Corrosivity (pH Solid)

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
PHC	106149-001	I03KPH10B	pH Units	10.05000		10.00000		0.05000		A	0.20000	01/02/2004	1155
LCSP	106149-002	I03LPH7B	pH Units	6.97000		7.00000		0.03000		A	0.20000	01/02/2004	1156
LCDP	106149-003	I03LPH7B	pH Units	6.96000		7.00000		0.04000		A	0.20000	01/02/2004	1158
MDPH	223218-5		pH Units	9.04000			9.27000	0.23000		A	0.20000	01/02/2004	1210
PHC	106149-001	I03KPH10B	pH Units	9.99000		10.00000		0.01000		A	0.20000	01/02/2004	1211
PHC	106149-017	I03IPH4B	pH Units	4.01000				0.01000		A	0.20000	01/02/2004	1215

Test Method.....: 7471A — Batch.....: 106028 — Analyst...: daj
Method Description.: Mercury (CVAA) Solids — Equipment Code....: HG3 — Test Code.: HG
Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	106001-007		mg/Kg	0.00 U								12/31/2003	1402
LCS	106001-008	M02ESTK010	mg/Kg	0.18		0.17		110		%	80-120	12/31/2003	1404
MD	223218-1		mg/Kg	0.04			0.03	0.00		A	0.02	12/31/2003	1409
MS	223218-1	M03JSTK030	mg/Kg	0.10		0.10	0.03	61	N	%	75-125	12/31/2003	1411
MSD	223218-1	M03JSTK030	mg/Kg	0.15	0.10	0.10	0.03	115		%	75-125	12/31/2003	1413
								61.4	*	R	20		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

'	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
'	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.